

TECHNICAL 026EN ekinex

INTRODUCTION

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We believe

in technology that makes life easier.
We develop devices that make everyday gestures easier.
Our scenario is the whole world.

We want

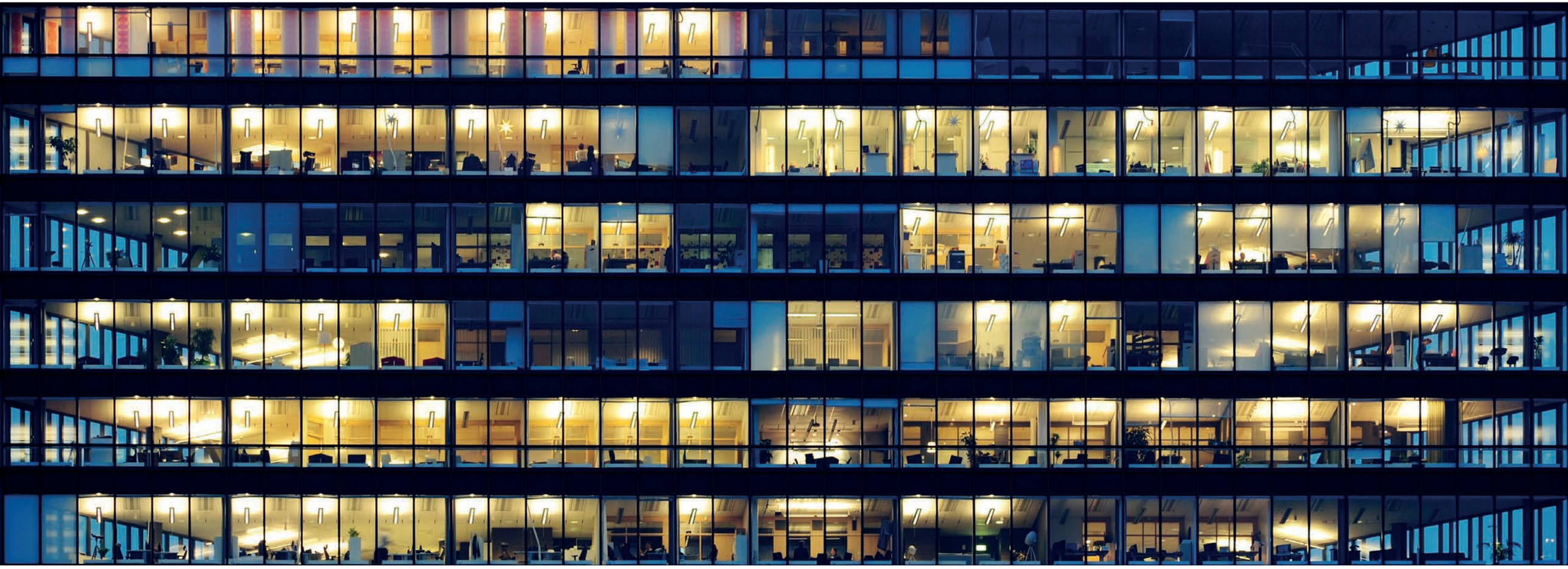
to combine technology and design.
To give life to something unique that combines
two seemingly distant worlds.



The Company

Technology meets design.
We offer a form without ever leaving aside its content. We present a product with a strong technological content which is also cutting edge from an aesthetic point of view. Design becomes the driving force behind technology, the key to opening our doors to the world of smart homes. We use the potential of the KNX system to guarantee high quality standards for a project we have called Ekinex®.

Our devices are developed and manufactured in Italy.
Ekinex® has created a line of objects that encloses the essence of the Made in Italy: design, attention to detail, technological innovation and advancement. Designed for a global market, Ekinex® products are an expression of the new Italian tradition, which combines the attention of craftsmanship in the creation of the product to high technological levels. Ekinex® supports the idea of a design that is not just an aesthetic exercise, but one that understands, as fundamental factors, ease of use, immediate understanding of the function and the balanced and intelligent application of technology.



The automation of buildings

Ekinex® is an intelligent system for controlling homes and buildings, developed in accordance with the open KNX standard. Having an Ekinex® system means **to increase comfort and safety, reduce energy consumption and raise the long-term value of a building** using products characterized by fine aesthetics and a great simplicity of use.

Setting up an Ekinex® system is easy: a signal network is arranged at project level, reaching all those areas where commands, sensors or loads to be system-controlled are expected. The arrangement, achieved by means of a simple signal cable, represents an authentic network for the exchange of information between Ekinex® devices.

The scalability, typical of Ekinex® building control systems, even allows to start off with a basic equipment, both in terms of functions and devices, which may be extended at a later stage, depending on individual requirements, the location's infill and economic availability. **The investment is quickly paid back, and is protected in time.** Thanks to the native openness and interoperability of the KNX standard, the system can even integrate functions that may not be available within the Ekinex® range of products.



The KNX standard

Great developments in the field of home and building automation were made possible especially thanks to an open, modular and interoperable standard like KNX. This innovative standard was born from the merging of three European systems (EIB, BatiBUS and EHS), developed and brought to the market in the early 90's. The diffusion of the system was facilitated by an intense work of cooperation at normative level in the standard committee at European level. For this reason, too, **KNX is a standard characterized by a total conformity with norm EN 50090** on electronic systems for the control of homes and buildings (HBES, Home and Building Electronic Systems).

The twenty-year presence on the market of this standard offers the best guarantee in terms of reliability and consolidation of the technology used. The openness of the standard and that of the KNX Association, on the other hand, ensure availability of products in the long run and a constant development, both in terms of technology and offering of products, functions and applications.

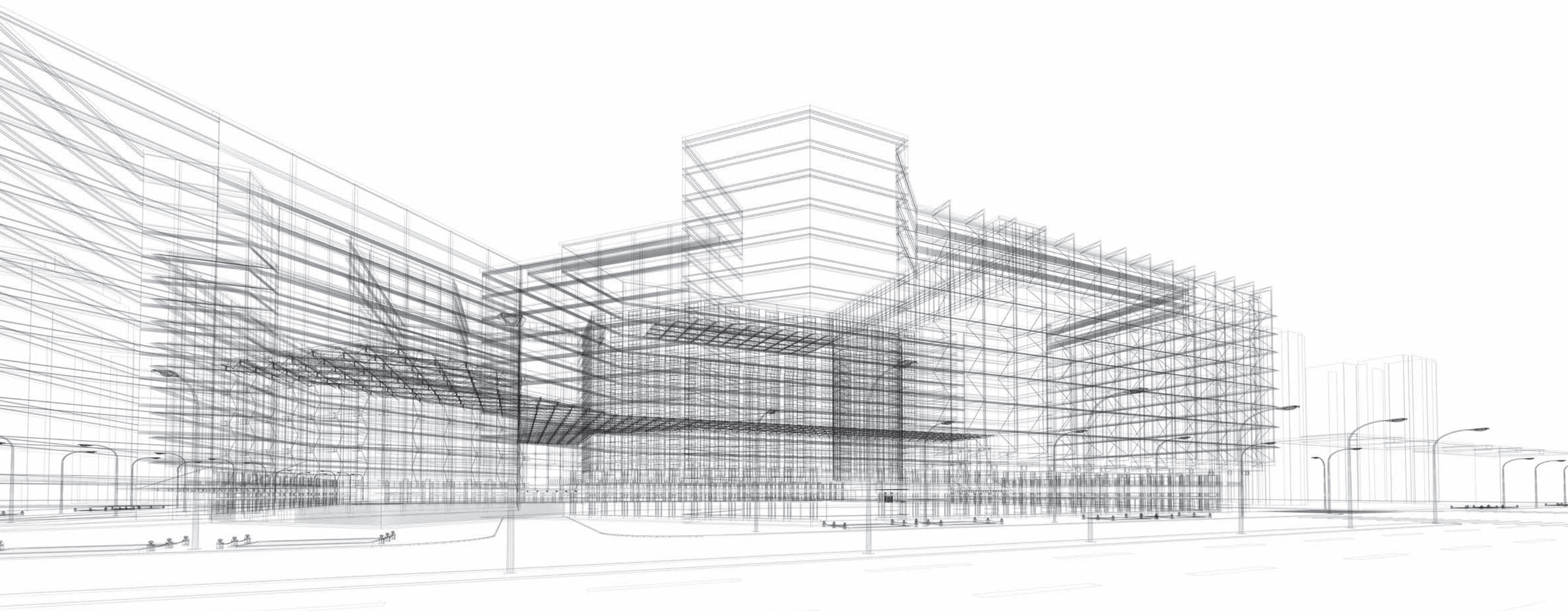
The vitality of KNX proposals is witnessed by the sustained expansion of the association, seeing the entry of manufacturers, coming from many different areas, and from the tens of thousands of technicians who chose it to specialize in the field of building automation.

Achievable savings with the adoption of the KNX system for Home & Building control:

40% over shutters control
50% over individual ambient control
60% over ambient lighting control
60% over ventilation control

For customers, the variety and availability of KNX products has no comparison in other technological areas, and the system openness translates into the highest free choice, thereby avoiding the disadvantageous dependence of having to buy from a single supplier. Thanks to the modularity of the system, a project can be extended in time, starting with a basic configuration and adding more functions later. **The native interoperability of KNX products is fundamental to technicians**, as it allows to design a system by always choosing the most suitable technical options, reducing compromise and ties caused by isolated systems which do not converse with one another. **Moreover, the system offers new professional opportunities to designers and system integrators, making it possible to receive a consistent and high-level technical training and become certified KNX Partners.**

The KNX standard is entirely compliant with norm EN 50090 on HBES (Home and Building Electronic Systems) systems)



The advantages

Design, realize and use a home & building control plant with the KNX system has many advantages.

Designer

- Compliant, open, interoperable system
- Can be used in all types of buildings, from small residential to large service industry ones
- Devices, from over 300 manufacturers, communicating between each other in native mode
- Constant expansion of available functions and applications
- System design by means of standard software (ETS), manufacturer-independent
- Easy realization of commands, controls, visualisations and displays
- Wide availability of complex logic
- Interfacing towards numerous other systems, protocols and standards
- Simple logic connections between functions and devices
- Large choice of device parametrizing options based on single requirements
- Reduction of building's fire load
- Certified training, standardized and available worldwide

Installer

- Reduced device assembly and cabling times
- Unique, fast connection system (cable and bus terminal block) for all manufactures
- High quality and reliability of products (consolidated system)
- Configuration and service commissioning by means of standard, manufacturer-independent software (ETS)
- Speed and flexibility in the expansion and the modification of use
- Remote access for maintenance and diagnosis interventions
- Reduction of cables needed for command, control and distribution circuits
- Certified training, standardized and available worldwide
- Opportunities for professional advancements
- Access to the world of innovative systems

User

- Large choice of products
- High comfort, great operation safety
- More information, verification of own consumption habits
- Coordinated working of all building systems
- Multifunctional deployment of several devices
- System scalability and modularity
- Easy upgrading, without needing interventions on cabling nor masonry works
- Independence from single manufacturer
- More efficient building energy class (as per EN 15232)
- Easy system adaptations in case of changing needs
- Time-protected investment (open system)
- Building increase in value



The Ekinex® devices

The range of Ekinex® KNX devices includes system devices, devices dedicated to single application functions and accessories. System devices allow basic operation of the bus system, while the devices dedicated to single application functions are developed specifically to execute the command, control and/or monitoring the technical systems in the building, like lighting, heating or shading.

They include switching, control and display units, sensors and actuators, etc. **Each device is fitted internally with a communication module linking to the KNX bus.** All devices are realized in multiple mounting versions (protruding or recessed walls, electric cabinets or panels on DIN rails as per EN 60715) in accordance with their destination of use and with the main installation modality. The KNX certification guarantees the interoperability among the devices of different KNX manufacturers. The entire procedure is disciplined by the certification system developed by the KNX Association and is based on conformity tests carried out by third-party laboratories. The tests verify that the devices support the KNX protocol and that any information is coded in accordance with KNX specifications

The presence of a KNX trademark on Ekinex® devices is a guarantee for the customer:

- **Ekinex® respects the quality management system in accordance with ISO 9001;**
- **The devices are compliant with the European norm EN 50090-2-2, concerning fundamental aspects like electromagnetic compatibility, electrical safety and environmental conditions of use;**
- **They comply with indications in volumes 3 and 6 of KNX specifications;**
- **They comply with KNX interoperability requirements concerning standardized data type and functional blocks.**

WALL-MOUNT DEVICES

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ERA

BY MICHAEL VINCENT UY
COMANDI A PARETE





ERA

BY MICHAEL VINCENT UY
WALL-MOUNT DEVICES

A new timeless collection.
Designed by architect Michael Vincent UY, the ERA series is a dialogue between past and future, a meeting between tradition and innovation. Each element is designed to embody timeless elegance, where essential shapes and refined details create a perfect balance between functionality and beauty.

Available colour solutions

	Frames	Plates	Rockers
Metallo	•	•	•

For more information see page 263





89 x 89 x 7.5 mm



89 x 89 x 7.5 mm



89 x 89 x 7.5 mm



89 x 89 x 7.5 mm



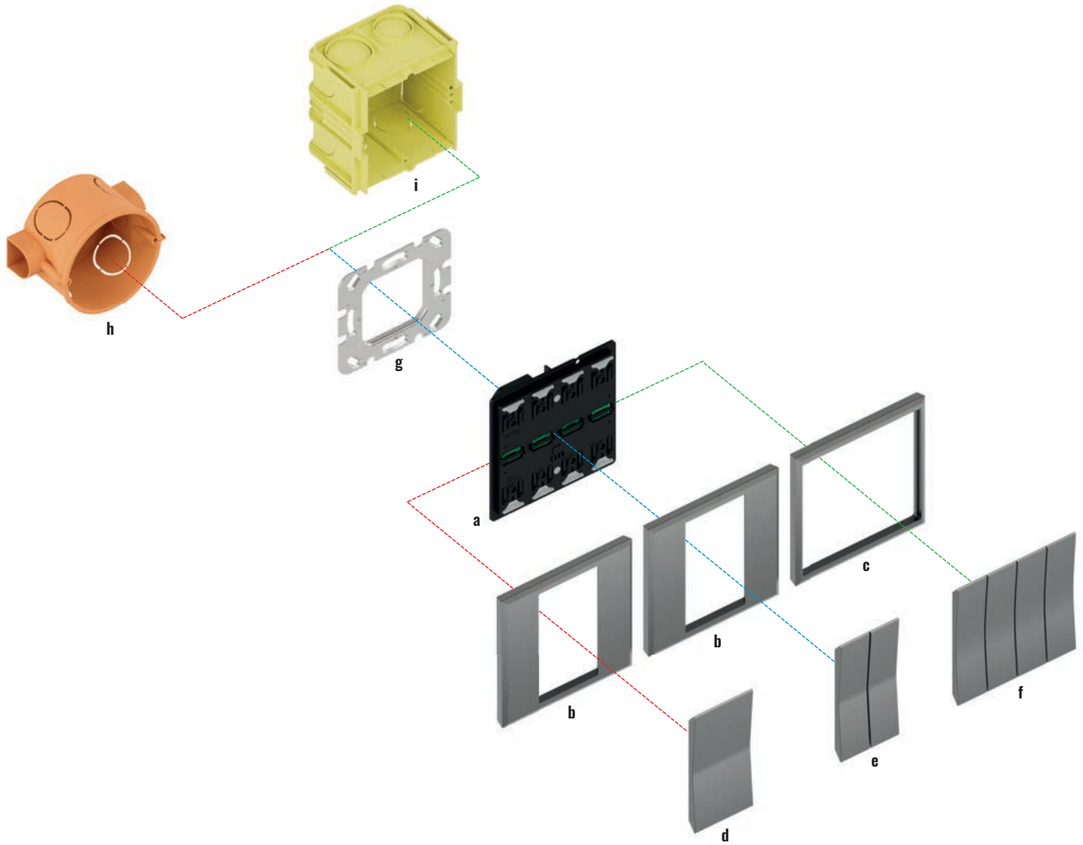
89 x 89 x 7.5 mm



89 x 89 x 7.5 mm



89 x 89 x 7.5 mm



ERA

Description	Code
a) ERA button	EK-ERA-TP / EK-ERA-TP-H
b) Square TANK frame (2 buttons)	EK-FOD-...
c) Square SLIM frame (4 buttons)	EK-FOE-...
d) 1-rocker set	EK-TEV-...
e) 2-rockers set	EK-TEV-2-...

Description	Code
f) 4-rockers set	EK-TEV-4-...
g) Mounting bracket	EK-SME-1
h) Round flush-mounted box	not delivered by Ekinex®
i) Square flush-mounted box	not delivered by Ekinex®

Pulsanti ERA

BY MICHAEL VINCENT UY

WALL-MOUNT DEVICES





Inspired by the harmony of the ages, ERA translates history into a contemporary language, blending fine materials, sophisticated geometries and a minimalist aesthetic that enhances any space.
A tribute to the evolution of design, in which each piece tells a story of style and craftsmanship.

ERA is born from the encounter between design and technology, between emotion and precision. Each element becomes an integral part of its surroundings, a unique piece that combines functionality and aesthetics. The sophisticated finishes reflect light in a thousand shades, transforming every interaction into a unique sensory experience.

ERA is not just a collection, it is a new way of experiencing the environment. It is elegance, it is emotion, it is the future taking shape with a simple touch. Let yourself be enveloped by the magic of the new ERA series and discover how a detail can change your perception of space.

An unprecedented fusion of design, functionality and innovation is ready to redefine the concept of space. With cutting-edge solutions designed to fit perfectly into your lifestyle, ERA brings a breath of modernity and style to any environment.







Pushbutton with RGB LED thermostat - ERA series

BY MICHAEL VINCENT UY
WALL-MOUNT DEVICES

Description
The ERA series 1, 2 and 4-key push button combines refined design and advanced functionality for simple, customisable control. It allows you to manage lights, shutters and other KNX functions, distinguishing between short and long presses. The integrated temperature sensor expands the possibilities of use, making the device even more versatile. The RGB LEDs on each button provide discreet and configurable visual feedback. Designed for wall mounting in flush-mounted boxes, ERA is the ideal choice for those seeking elegance and technology in a single device.

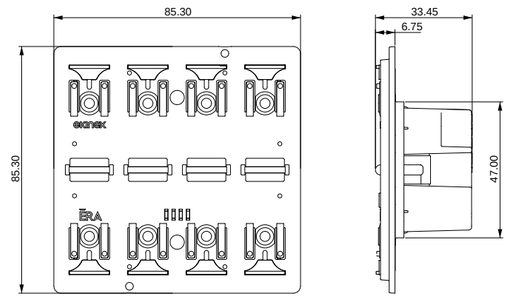
Main features
- Configurable in 1, 2 or 4 independent button versions
- 4 channels (up to 8 independent functions can be programmed)
- Freely programmable RGB LEDs for each button
- Customisable buttons
- Integrated temperature sensor
- Room thermostat function
- Bus line connection via KNX terminal
- Flush-mounted on round or square box
- IP20 protection rating (installed)

Technical data
- 30 Vdc power supply via KNX bus
- Current consumption from bus < 17 mA

Delivery
The supply includes a terminal for connection to the bus line, a metal bracket for mounting on a round or square box and two pairs of screws.

Accessories
- The following accessories are available separately to complete the system:
- ERA EK-TEV-... or EK-T2V-... series buttons
- EK-FOD-... or EK-FOE-... frame

Dimensions [mm]



Order information

Code	LEDs colour	Mounting	Rockers
EK-ERA-TP	RGB	Closed frame	1 central rocker
		Open frame	2 central rockers
			4 central rockers

Configuration and commissioning
By means of ETS5 software or later versions
Application program: **APEKERATPX##.knxprod**
(## = version, download from www.ekinex.com)

Documentation
For more information see the technical documentation, download from **www.ekinex.com**





Pushbutton with RGB LED thermostat and humidity sensor - ERA series

BY MICHAEL VINCENT UY
WALL-MOUNT DEVICES

Description
The ERA series 1, 2 and 4-key push button combines refined design and advanced functionality for simple, customisable control. It allows you to manage lights, shutters and other KNX functions, distinguishing between short and long presses. The integrated temperature sensor expands the possibilities of use, making the device even more versatile. The RGB LEDs on each button provide discreet and configurable visual feedback. Designed for wall mounting in flush-mounted boxes, ERA is the ideal choice for those seeking elegance and technology in a single device.

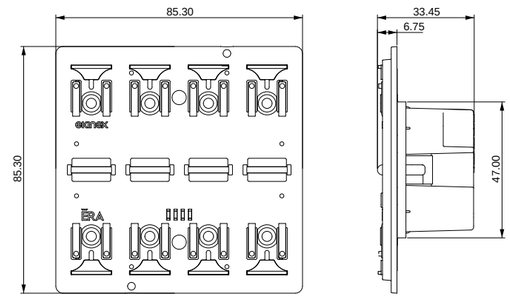
Main features
- Configurable in 1, 2 or 4 independent button versions
- 4 channels (up to 8 independent functions can be programmed)
- Freely programmable RGB LED for each key
- Customisable keys
- Integrated temperature sensor
- Integrated humidity sensor
- Room thermostat function
- Bus line connection via KNX terminal
- Flush-mounted on round or square box
- IP20 protection rating (installed)

Technical data
- 30 Vdc power supply via KNX bus
- Current consumption from bus < 17 mA

Delivery
The supply includes a terminal for connection to the bus line, a metal bracket for mounting on a round or square box and two pairs of screws.

Accessories
- The following accessories are available separately to complete the system:
- ERA EK-TEV-... or EK-T2V-... series buttons
- EK-FOD-... or EK-FOE-... frame

Dimensions [mm]



Order information

Code	LEDs colour	Mounting	Rockers
EK-ERA-TP-H	RGB	Closed frame	1 central rocker
		Open frame	2 central rockers
			4 central rockers

Configuration and commissioning
By means of ETS5 software or later versions
Application program: **APEKERATPX##.knxprod**
(## = version, download from www.ekinex.com)

Documentation
For more information see the technical documentation, download from **www.ekinex.com**

PROXIMA

WALL-MOUNT DEVICES





Proxima

WALL-MOUNT DEVICES

Proxima is not just a product line: it is a sensory experience.
Its refined surfaces, clean lines and sophisticated finishes create a perfect harmony between advanced technology and timeless design to blend in with any style of décor, from minimalist to classic. Thanks to its compatibility with KNX standard home automation systems, you have full control of your home with a simple gesture.

Available colour solutions

	Plates	Rockers
Metal	•	•

For more information see page 263

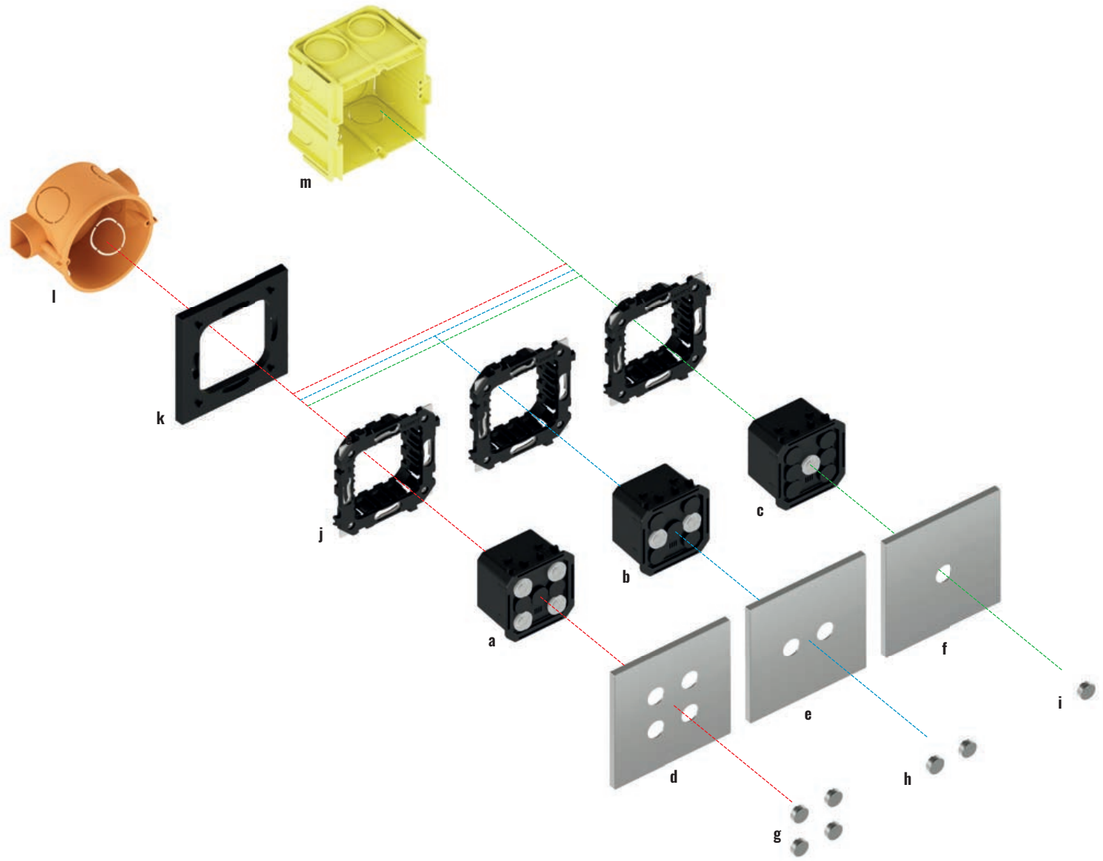




86 x 86 x 5 mm | 86 x 86 x 5 mm | 86 x 86 x 5 mm | 86 x 86 x 5 mm | 86 x 86 x 5 mm | 86 x 86 x 5 mm



158 x 86 x 5 mm | 158 x 86 x 5 mm | 158 x 86 x 5 mm



Proxima

Description	Code
a) Proxima 4-rockers pushbuttons	EK-EZ2-TP-4
b) Proxima 2-rockerspush-buttons	EK-EZ2-TP-2
c) Proxima 1-rocker pushbuttons	EK-EZ2-TP-1
d) Proxima square magnetic plate (4 rockers)	EK-PQA-4-...
e) Proxima square magnetic plate (2 rockers)	EK-PQA-2-...
f) Proxima square magnetic plate (1 rocker)	EK-PQA-1-...
g) 4-rockers set	EK-TTP-4...

Description	Code
h) 2-rockers set	EK-TTP-2...
i) 1-rocker set	EK-TTP-1...
j) Square mounting bracket	EK-SMP-71-1
k) Additional bracket for compatibility with round flush-mounted boxes	EK-SMP-Q-1
l) Round flush-mounting box	not delivered by Ekinex®
m) Square flush-mounting box	not delivered by Ekinex®

Pulsanti Proxima

WALL-MOUNT DEVICES





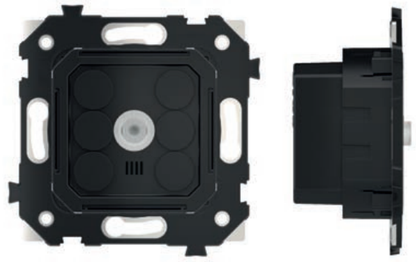
Every element is designed to harmonise with your world, whatever your aesthetic language.
Every material, every detail, is carefully chosen to make you feel in balance with your surroundings.

The Ekinex® Proxima series pushbutton panel combines advanced functionality and practicality to simplify room control. It allows you to manage switching on and off, adjust light intensity, control motorised blinds and other programmable functions, adapting to your needs thanks to the ability to distinguish between short and long presses.

The integrated temperature sensor adds an extra level of comfort, transforming the button into a climate controller to keep the room temperature at the right level at all times. RGB LEDs for each button offer a touch of discreet customisation, while KNX technology ensures optimal integration into automation systems.

Proxima also stands out for its innovative magnetic mounting system, which allows for easy and stable installation on any surface, offering great flexibility of use. Designed for wall mounting in flush-mounted boxes, it is the ideal choice for combining technology and simplicity in a modern design.





1-fold pushbutton with thermostat RGB LED - Proxima series

WALL-MOUNT DEVICES

Description

The Proxima series 1-button combines advanced functionality and convenience to simplify room management. It allows you to control on/off switching, adjust light intensity, control motorised blinds and other programmable functions, and adapts to your needs by separating short and long presses. For added convenience, an integrated temperature sensor turns the pushbutton into a climate controller that keeps the room temperature at the right level at all times. RGB LEDs on each button provide a subtle individual touch, while KNX technology ensures optimal integration into automation systems. Designed for wall mounting in flush boxes, it is the ideal choice when you want to combine technology and simplicity with timeless design.

Main features

- 1-button version (up to 2 different functions can be configured)
- RGB LED for each freely programmable key
- Integrated temperature sensor
- Room thermostat function
- Connection to bus line via KNX terminal
- Recessed wall mounting on round or square box
- IP20 degree of protection (installed)

Technical data

- 30 Vdc power supply via KNX bus
- Power consumption from the bus < 17 mA

Delivery

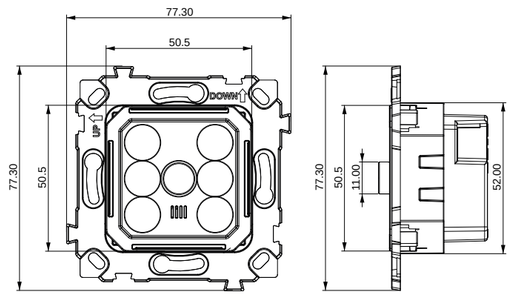
The delivery includes a terminal for connection to the BUS line and site protection.

Accessories

The following accessories are available as add-ons and must be ordered separately:

- Proxima series keys EK-TTP-1-...
- Square magnetic plate EK-PQA-1-...
- Mounting bracket EK-SMP-71-1
- Optional: mounting bracket EK-SMP-Q-1 (check compatibility with flush box).

Dimensions [mm]



Order information

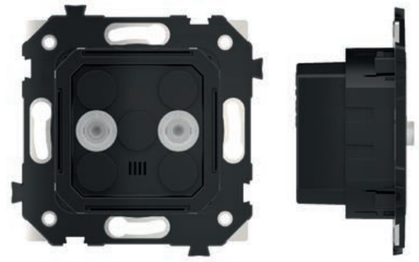
Code	LEDs colour	Mounting	Rockers
EK-EZ2-TP-1	RGB	without frame	1 central rocker

Configuration and commissioning

By means of ETS5 software or later versions
Application program: **APEKEZ2TPX##.knxprod**
(## = version, download from www.ekinex.com)

Documentation

For more information see the technical documentation,
download from **www.ekinex.com**



2-fold pushbutton with thermostat RGB LED - Proxima series

WALL-MOUNT DEVICES

Description

The Proxima series 2-buttons combines advanced functionality and convenience to simplify room management. It allows you to control on/off switching, adjust light intensity, control motorised blinds and other programmable functions, and adapts to your needs by separating short and long presses. For added convenience, an integrated temperature sensor turns the pushbutton into a climate controller that keeps the room temperature at the right level at all times. RGB LEDs on each button provide a subtle individual touch, while KNX technology ensures optimal integration into automation systems. Designed for wall mounting in flush boxes, it is the ideal choice when you want to combine technology and simplicity with timeless design.

Main features

- 2-buttons version (up to 4 different functions can be configured)
- RGB LED for each freely programmable key
- Integrated temperature sensor
- Room thermostat function
- Connection to bus line via KNX terminal
- Recessed wall mounting on round or square box
- IP20 degree of protection (installed)

Technical data

- 30 Vdc power supply via KNX bus
- Power consumption from the bus < 17 mA

Delivery

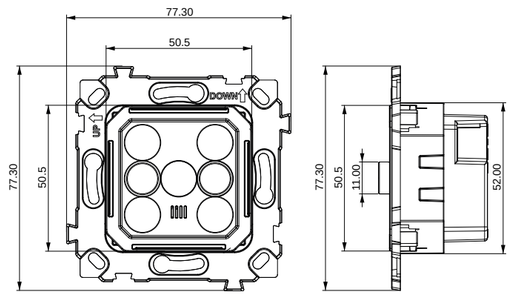
The delivery includes a terminal for connection to the BUS line and site protection.

Accessories

The following accessories are available as add-ons and must be ordered separately:

- Proxima series keys EK-TTP-2-...
- Square magnetic plate EK-PQA-2-...
- Mounting bracket EK-SMP-71-1
- Optional: mounting bracket EK-SMP-Q-1 (check compatibility with flush box).

Dimensions [mm]



Order information

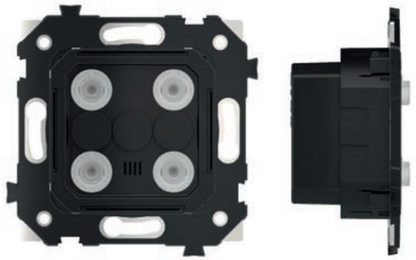
Code	LEDs colour	Mounting	Rockers
EK-EZ2-TP-2	RGB	without frame	2 central rockers

Configuration and commissioning

By means of ETS5 software or later versions
Application program: **APEKEZ2TPX##.knxprod**
(## = version, download from www.ekinex.com)

Documentation

For more information see the technical documentation,
download from **www.ekinex.com**



4-fold pushbutton with thermostat RGB LED - Proxima series

WALL-MOUNT DEVICES

Description

The Proxima series 4-buttons combines advanced functionality and convenience to simplify room management. It allows you to control on/off switching, adjust light intensity, control motorised blinds and other programmable functions, and adapts to your needs by separating short and long presses. For added convenience, an integrated temperature sensor turns the pushbutton into a climate controller that keeps the room temperature at the right level at all times. RGB LEDs on each button provide a subtle individual touch, while KNX technology ensures optimal integration into automation systems. Designed for wall mounting in flush boxes, it is the ideal choice when you want to combine technology and simplicity with timeless design.

Main features

- 4-buttons version (up to 8 different functions can be configured)
- RGB LED for each freely programmable key
- Integrated temperature sensor
- Room thermostat function
- Connection to bus line via KNX terminal
- Recessed wall mounting on round or square box
- IP20 degree of protection (installed)

Technical data

- 30 Vdc power supply via KNX bus
- Power consumption from the bus < 17 mA

Delivery

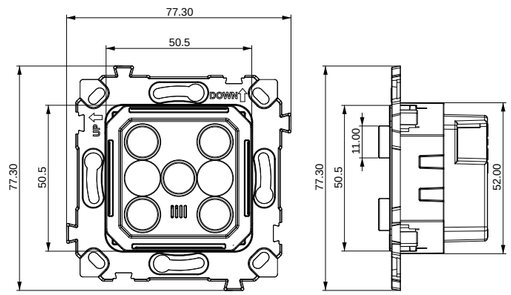
The delivery includes a terminal for connection to the BUS line and site protection.

Accessories

The following accessories are available as add-ons and must be ordered separately:

- Proxima series keys EK-TTP-4-...
- Square magnetic plate EK-PQA-4-...
- Mounting bracket EK-SMP-71-1
- Optional: mounting bracket EK-SMP-Q-1 (check compatibility with flush box).

Dimensions [mm]



Order information

Code	LEDs colour	Mounting	Rockers
EK-EZ2-TP-4	RGB	without frame	4 central rockers

Configuration and commissioning

By means of ETS5 software or later versions
Application program: **APEKEZ2TPX##.knxprod**
(## = version, download from www.ekinex.com)

Documentation

For more information see the technical documentation, download from **www.ekinex.com**





SIGNUM

WALL-MOUNT DEVICES

Deep 44
Surface 46





Signum Deep

WALL-MOUNT DEVICES

New KNX standard "virtual" pushbutton controls with graphic colour display, haptic feedback, touch interface, borderless display, Bluetooth LE (Low Energy) for customising text and graphics from mobile device apps. In perfect family feeling with the 20venti Deep series.

Available colour solutions

	Deep	Surface
	Plate	
Technopolymer	-	-
Metal	•	•
Metal HT	•	•
Fenix NTM®	•	•

For more information see page 263





87 x 87 x 9 mm



87 x 87 x 9 mm



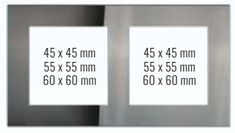
87 x 87 x 9 mm



87 x 87 x 9 mm



128 x 87 x 9 mm



158 x 87 x 9 mm



229 x 87 x 9 mm
3 windows 55 x 55 x 55 mm or 3 windows 60 x 60 x 60 mm



Signum Surface

WALL-MOUNT DEVICES

New KNX standard "virtual" pushbutton controls with graphic colour display, haptic feedback, touch interface, borderless display, Bluetooth LE (Low Energy) for customising text and graphics from mobile device apps. In perfect family feeling with the 20venti Surface series.

Available colour solutions

	Deep	Surface*
	Plate	
Technopolymer	-	-
Metal	•	•
Metal HT	•	•
Fenix NTM®	•	•

* The Fenix NTM® colour effect on the Surface plate is achieved by painting
For more information see page 263





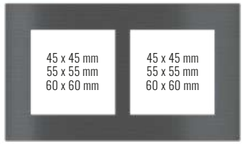
98 x 98 x 3 mm



98 x 98 x 3 mm



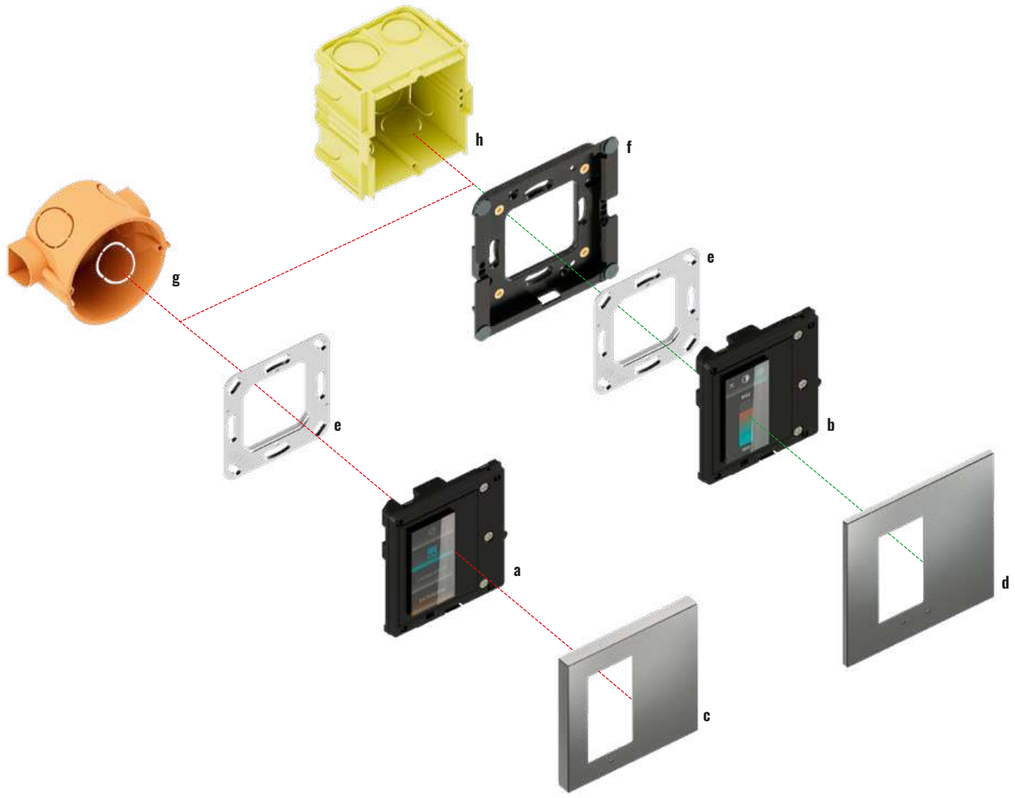
98 x 98 x 3 mm



168 x 98 x 3 mm



98 x 98 x 3 mm



Signum

Description	Code
a) Signum pushbutton Deep version	EK-EV3-TP
b) Signum pushbutton Surface version	
c) Square plate Deep version (30 x 60 mm window)	EK-DQZ-...
d) Square plate Surface version (30 x 60 mm window)	EK-SQZ-...
e) Metal mounting support Deep version	EK-SMQ-71-S
f) Mounting support Surface version (included in delivery)	
g) Round flush-mounting box	not delivered by Ekinex®
h) Square flush-mounting box	not delivered by Ekinex®

Pushbuttons Signum

WALL-MOUNT DEVICES





The "virtual" pushbutton controls of the Signum series and their accessories offer the possibility of numerous variants to meet the most diverse requirements.

The EK-EV3-TP "virtual" pushbutton, which contains a KNX communication module inside, is suitable for mounting on a round or square wall flush-mounting box, provided with fixing holes with a centre distance of 60 mm. Each button is supplied with a metal mounting bracket, which can also be ordered separately if required; a terminal for connection to the bus line completes the supply.

The pushbutton is completed with a Deep or Surface version plate. The 2.65", 162 x 320 pixel, 262K colours IPS RGB touch borderless display with haptic feedback can be configured to manage up to 4 buttons per screen and up to 3 screens in total. Each button can be customised via a dedicated app and certain attributes of each button can be changed even after installation, e.g. position, symbols and lettering. The pushbutton also offers the function of a room thermostat, thanks to the integrated temperature sensor. The proximity sensor integrated in the faceplate (to be ordered separately) provides visual comfort at night.

Configuration and commissioning of the devices is carried out using ETS® software; the relevant application programmes can be downloaded from www.ekinex.com.





Pushbuttons Signum

WALL-MOUNT DEVICES

Description

"Virtual"KNX-standard button, i.e. based on a borderless IPS touch display, in which each button can be customised via a dedicated app. it is possible to modify certain attributes of each button even after installation, e.g. position, symbols and lettering.

Main features

- Up to 4 buttons per screen and up to 3 screens in total can be configured
- Haptic pressure feedback
- Control and dimming of lighting devices
- Control of motorised drives for blinds (such as roller shutters, awnings blinds or shutters)
- Partially programmable attributes for each button
- 2.65" IPS RGB display, 162 x 320 pixels, 262K colours with haptic feedback
- Bluetooth BLE module for connection to programming app
- Room temperature detection via integrated sensor
- Proximity sensor integrated in the faceplate (to be ordered separately)
- Room thermostat function
- Connection to bus line via KNX terminal
- Recessed wall mounting on round or square box
- Configuration via App

Technical data

- 30 Vdc power supply via KNX bus
- Stand-by current consumption: 8 mA @30Vdc / max: 35 mA @30Vdc
- Wall mounting on round or square box
- IP20 degree of protection (installed)
- Technopolymer housing
- Climatic classification 3K5 and mechanical classification 3M2 (according to EN 50491-2)
- Pollution degree 2 (according to IEC 60664-1)
- Dimensions: 83 x 77 x 37 mm
- Operating temperature: - 5... + 45°C
- Storage temperature: - 25... + 55°C
- Transport temperature: - 25... + 70°C
- Relative humidity: 95% non-condensing

Delivery

Delivery includes a terminal block for connection to the bus, a plastic adapter, a metal support for installation onto round or square mounting box (fixing holes 60 mm apart), two pairs of fixing screws.

Accessories

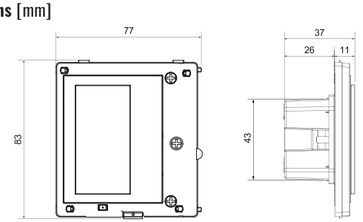
The following accessories are available to be ordered separately:

- square plate of the Deep or Surface version with 30 x 60 mm window

Order information

Code	Version	Mounting
EK-EV3-TP	Deep / Surface	without frame
EK-EV3-TP-TER	Deep / Surface with thermostat voucher	without frame
EK-EV3-TP-H	Deep / Surface with humidity sensor	without frame
Code	**Voucher**	
EK-EV3-V1-TER	Voucher to enable graphic display of thermostat function	
EK-EV3-V1-AUD	Voucher to enable the graphic display of the audio function	

Dimensions [mm]



Documentation

For more information see the technical documentation, download from **www.ekinex.com**

Configuration and commissioning

By means of ETS5 software or later versions
Application program: **APEKEV3TP##.knxprod**
(## = version, download from www.ekinex.com)



4 buttons page
Pushbuttons can be used to control devices lighting devices, scenarios and motorised drives.
A long press can call up graphic pages for precise control of home automation elements.



Brightness control page
The graphic slider allows precise control of motorised or luminescent drives in percentages.



Colour temperature adjustment page
It is possible to enable a dedicated page for controlling the hue of the light emitted by a light source.
Switching from a cool colour to a warmer one will provide a completely different atmosphere.



Motorisation control page
The motorisation page allows you to control motorised locking elements using the up and down buttons.



Room thermostat page
The thermostat page, designed to be simple and intuitive, allows the room temperature to be monitored and the desired temperature to be controlled.



Air conditioning page
The air conditioning page allows you to monitor the cooling temperature of the room, control the desired temperature, position of the fins and the ventilation speed.



Audio page
The audio page allows you to select an audio source, change the track currently playing and to raise or lower the volume.



Audio settings page
The audio settings page also allows control the volume level and equalisation of treble and bass. treble and bass equalisation.



PIN Code Protection Page
The PIN code protection page allows only authorised users to use the various commands and functions.



EKINEX TOOL" APP CONFIGURATION
Main Page
From the main page, you can select the theme (Gradient or Flat) and customise the texts and symbols of the virtual buttons.



EKINEX TOOL" APP CONFIGURATION
Pushbutton customisation page
With a horizontal swipe you can scroll between the screens of the device and customise the related pushbuttons.





EKINEX TOOL" APP CONFIGURATION
Symbol library page
The application gives access to a continuously updated library of 120 symbols.



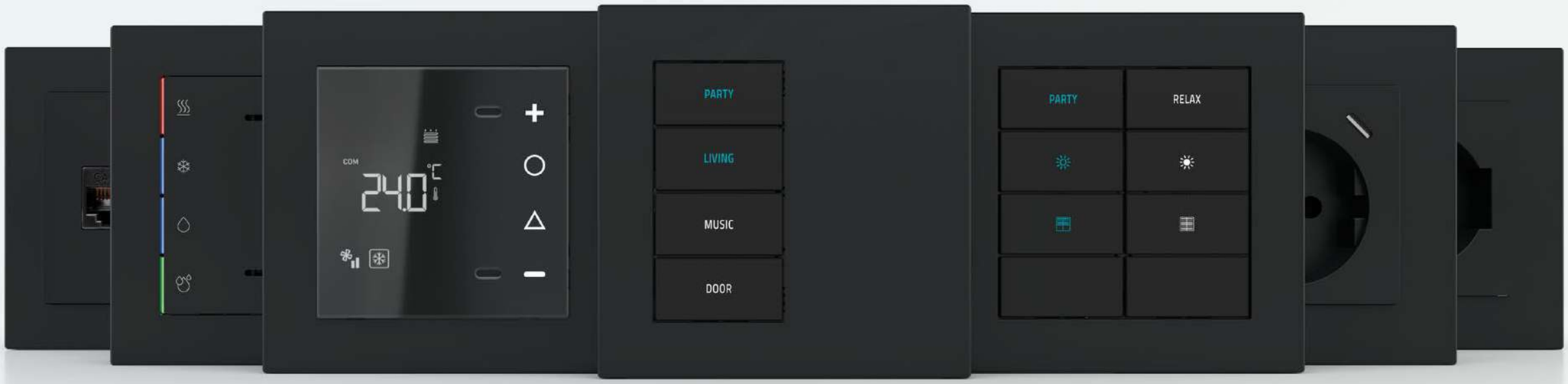


EKINEX TOOL" APP CONFIGURATION
Settings page
From the settings page, the main operating parameters of the device can be configured: display brightness, sensor enablement haptic feedback and stand-by time.

20VENTI SERIES

WALL-MOUNT DEVICES

Deep 58
Surface 60



20venti Deep

WALL-MOUNT DEVICES

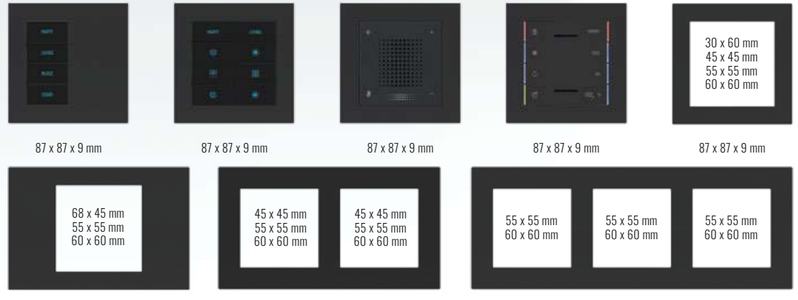
Intuition, flexibility and continuous growth. 20venti series in its Deep version represents an evolution of the compact and essential design of 71 series, enriched with new features that facilitate the recognition of functions from the first use. The materials used are plastic, metal, Metal HT and the nanotechnological Fenix NTM®.

Available colour solutions

	Deep	Surface	Rockers
	Plate		
Technopolymer	•	-	•
Metal	•	•	-
Metal HT	•	•	-
Fenix NTM®	•	•	-

For more information see page 263







20venti Surface

WALL-MOUNT DEVICES

Essentiality and functionality in a single product. 20venti series in its Surface version represents an evolution of the compact and essential design of 71 series but is enriched with new features that make it easier to recognize the functions of the keyboard from the first use. The materials used are plastic, metal, Metal HT and the nanotechnological Fenix NTM® that make it a contemporary proposal that finds its place in homes, offices and hotels.

Available colour solutions

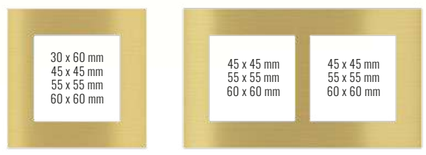
	Deep	**Surface**	Rockers
	Plate		
Technopolymer	•	-	•
Metal	•	•	-
Metal HT	•	•	-
Fenix NTM®	•	•	-

For more information see page 263



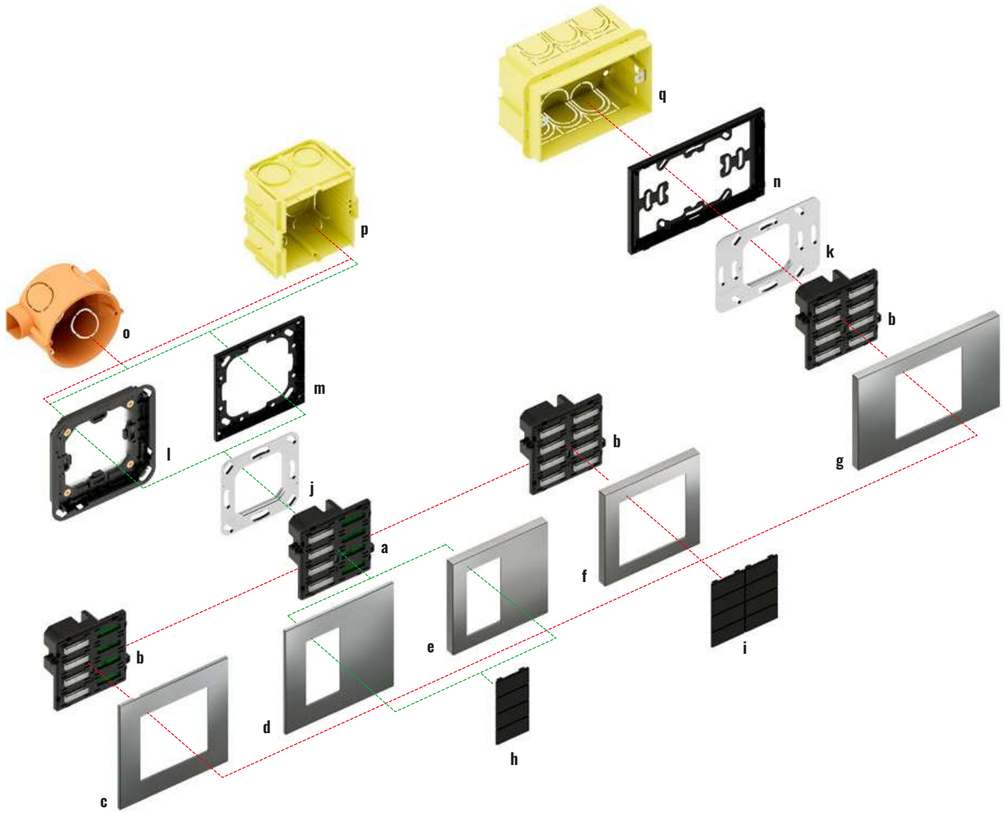


98 x 98 x 3 mm | 98 x 98 x 3 mm | 98 x 98 x 3 mm | 98 x 98 x 3 mm



98 x 98 x 3 mm

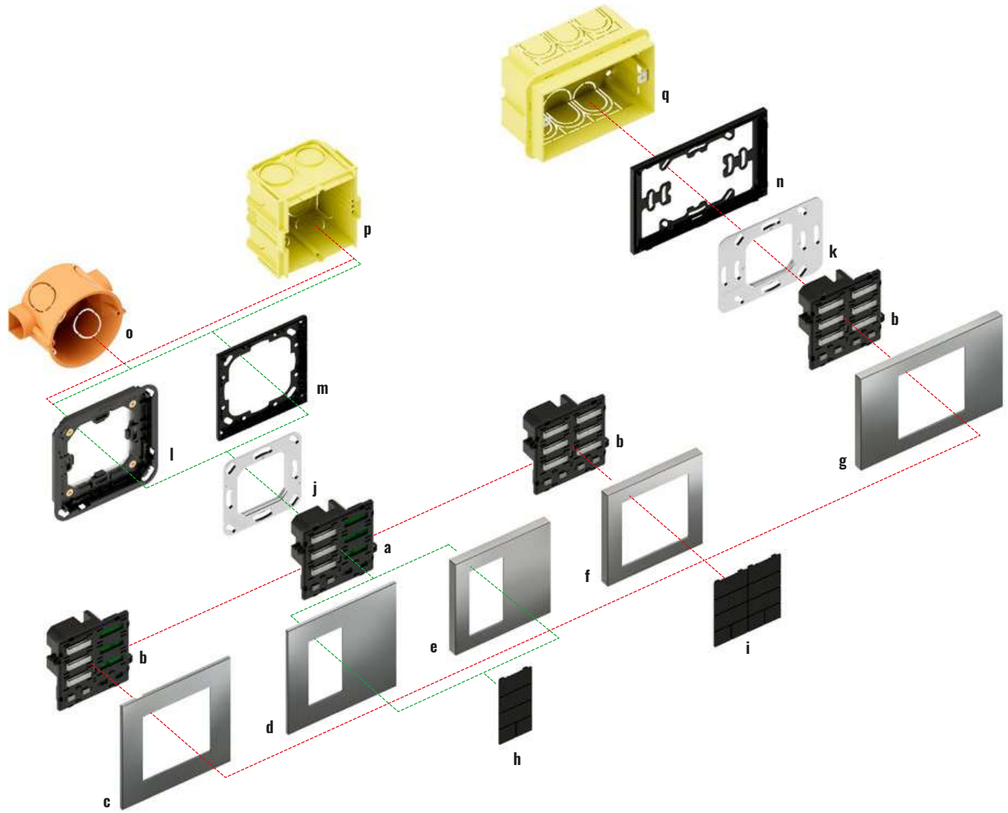
168 x 98 x 3 mm



Pushbuttons 20venti series with backlit text/symbols and proximity sensor (4/8 rockers)

Description	Code
a) Pushbuttons 20venti series with backlit text/symbols and proximity sensor 4 rockers	EK-E2E-TP-4L
b) Pushbuttons 20venti series with backlit text/symbols and proximity sensor 8 rockers	EK-E2E-TP-8
c) Square plate Surface version (60 x 60 mm window)	EK-SQS-...
d) Square plate Surface version (30 x 60 mm window)	EK-SQT-...
e) Square plate Deep version (30 x 60 mm window)	EK-DQT-...
f) Square plate Deep version (60 x 60 mm window)	EK-DQS-...
g) Rectangular plate Deep version (60 x 60 mm window)	EK-DRS-...
h) Rectangular rockers (4 pcs)	EK-T4R-20-...

Description	Code
i) Rectangular rockers (8 pcs)	EK-T4R-20-...
j) Metal mounting support	EK-SMQ-71-1
k) Metal mounting support with adapter	EK-SMR-71-1
l) Adapter for square Surface plate	EK-TAS-Q-W or EK-TAS-Q-N
m) Adapter for square plate 'NF and Deep version	EK-TAQE-1-NF
n) Adapter for rectangular plate 'NF and Deep version	EK-TAR-1-NF
o) Round flush-mounting box	not delivered by Ekinex®
p) Square flush-mounting box	not delivered by Ekinex®
q) Rectangular flush-mounting box (3 modules)	not delivered by Ekinex®



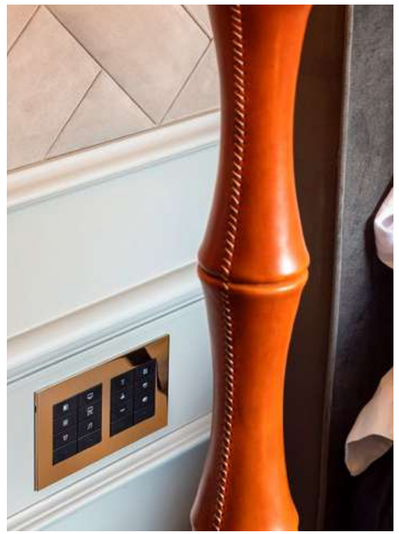
Pushbuttons 20venti series with backlit text/symbols and proximity sensor (5/10 rockers)

Description	Code
a) Pushbuttons 20venti series with backlit text/symbols and proximity sensor 5 rockers	EK-E2E-TP-5L
b) Pushbuttons 20venti series with backlit text/symbols and proximity sensor 10 rockers	EK-E2E-TP-10
c) Square plate Surface version (60 x 60 mm window)	EK-SQS-...
d) Square plate Surface version (30 x 60 mm window)	EK-SQT-...
e) Square plate Deep version (30 x 60 mm window)	EK-DQT-...
f) Square plate Deep version (60 x 60 mm window)	EK-DQS-...
g) Rectangular plate Deep version (60 x 60 mm window)	EK-DRS-...
h) Rectangular rockers (3 pcs) Rectangular rockers dimmer (1 pcs)	EK-T4R-20-... EK-T2B-20-...

Description	Code
i) Rectangular rockers (6 pcs) Rectangular rockers dimmer (2 pcs)	EK-T4R-20-... EK-T2B-20-...
j) Metal mounting support	EK-T2B-20-...
k) Metal mounting support with adapter	EK-SMQ-71-1
l) Adapter for square Surface plate	EK-SMR-71-1
m) Adapter for square plate 'NF and Deep version	EK-TAS-Q-W or EK-TAS-Q-N
n) Adapter for rectangular plate 'NF and Deep version	EK-TAQE-1-NF
o) Round flush-mounting box	not delivered by Ekinex®
p) Square flush-mounting box	not delivered by Ekinex®
q) Rectangular flush-mounting box (3 modules)	not delivered by Ekinex®

Pushbuttons 20venti series

WALL-MOUNT DEVICES





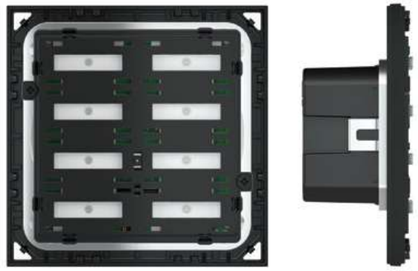
A wider range of combinations and features.
The 20venti series pushbuttons are available on Deep and Surface plates with 4 or 8 rockers modularity and built-in RGB LEDs to create any colour shade. Pushbuttons with 5 or 10 rockers modularity are also available for dimming lights or managing shutters.



The Ekinex® 20venti pushbuttons' series controls offer the possibility of numerous variants to meet the most diverse requirements. The basis is represented by the pushbutton that contains a KNX communication module inside. The EK-E20-TP-... is suitable both for mounting on a round or square wall-mounting box with fixing holes with 60 mm centre distance, and for mounting on a 3-place Italian standard rectangular wall-mounting box with fixing holes with 83.5 mm centre distance. Each pushbutton is delivered with a terminal block and two pairs of fixing screws.

The button must be completed with its relative metal support, a plastic adapter, the keys and a plate from the Deep or Surface version. The buttons are available in rectangular shape, in plastic material. The button has integrated RGB LEDs that can be freely programmed: for example, for status indication or as a night orientation light. The device also offers the function of a room thermostat, thanks to the integrated temperature sensor. The integrated proximity sensor ensures maximum readability when using the pushbutton panel and allows visual comfort during the night.

The devices are configured and commissioned using the ETS® software; the relevant application programs can be downloaded from www.ekinex.com.



4/8-fold pushbutton with backlit text/symbols and proximity sensor 20venti series

WALL-MOUNT DEVICES

Description

The Ekinex® 20venti series 4/8-fold pushbutton is used for on/off control of utility devices, dimming of luminaires, control of motorized drives for roller shutters or other programmable control functions. Thanks to the integrated temperature sensor, the button can act as a temperature controller for a room or zone. RGB LED for each rocker. The switch has an integrated KNX bus communication module and is designed for installation in a flush-mounted wall box.

Main features

- 4/8 fold version (possibility to configure up to 4 or 8 independent functions)
- RGB LED for each freely programmable rocker
- Integrated temperature sensor
- Integrated proximity sensor
- Room thermostat function
- Plastic casing
- Connection to bus line with KNX terminal block
- Wall-mounting installation on round or square wall box
- IP20 protection degree (installed)

Technical data

- 30 Vdc power supply by KNX bus
- Current consumption from bus < 17 mA

Delivery

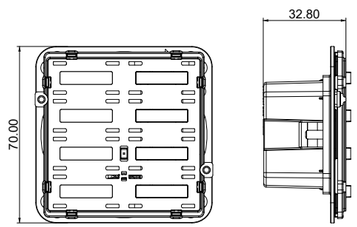
Delivery includes a terminal block for connection to the bus, two pairs of fixing screws.

Accessories

The following accessories are available to be ordered separately:

- 4 or 8 rectangular 30 x 15 mm plastic rockers with or without backlit text/symbol
- square plate of the Deep and Surface version with 30 x 60 mm or 60 x 60 mm window
- a plastic adapter
- a metal support for installation onto round or square mounting box (fixing holes 60 mm apart)

Dimensions [mm]



Order information

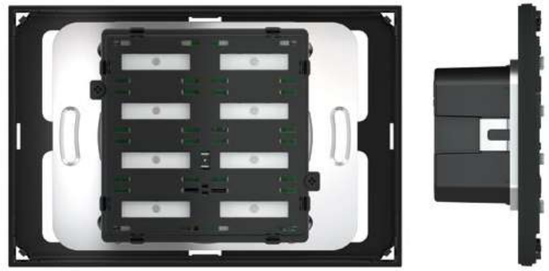
Code	LED colours	Mounting	Rockers
EK-E2E-TP-4L	RGB	without frame	4 left with backlit text/symbols
EK-E2E-TP-4R	RGB		4 right with backlit text/symbols
EK-E2E-TP-8	RGB		8 with backlit text/symbols

Configuration and commissioning

By means of ETS5 software or later versions
Application program: **APEKE2ETP##.knxprod**
(## = version, download from www.ekinex.com)

Documentation

For more information see the technical documentation, download from **www.ekinex.com**



8-fold pushbutton with backlit text/symbols and proximity sensor for rectangular wall-box 20venti series

WALL-MOUNT DEVICES

Description

The Ekinex® 20venti series 8-fold pushbutton is used for on/off control of utility devices, dimming of luminaires, control of motorized drives for roller shutters or other programmable control functions. Thanks to the integrated temperature sensor, the button can act as a temperature controller for a room or zone. RGB LED for each rocker. The switch has an integrated KNX bus communication module and is designed for installation in a flush-mounted wall box.

Main features

- 8 fold version (possibility to configure up to 8 independent functions)
- RGB LED for each freely programmable rocker
- Integrated temperature sensor
- Integrated proximity sensor
- Room thermostat function
- Plastic casing
- Connection to bus line with KNX terminal block
- Wall-mounting installation on round,square or rectangular wall box
- IP20 protection degree (installed)

Technical data

- 30 Vdc power supply by KNX bus
- Current consumption from bus < 17 mA

Delivery

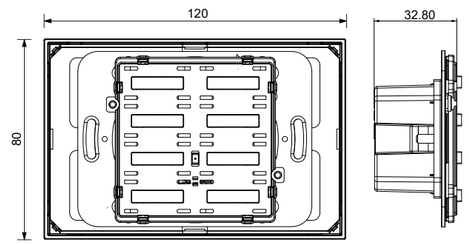
Delivery includes a terminal block for connection to the bus, two pairs of fixing screws.

Accessories

The following accessories are available to be ordered separately:

- 8 rectangular 30 x 15 mm plastic rockers with or without backlit text/symbol
- rectangular plate of the Deep version with 60 x 60 mm window
- a plastic adapter
- a metal support for installation onto round or square (fixing holes 60 mm apart) or rectangular (fixing holes 83,5 mm apart) mounting box

Dimensions [mm]



Order information

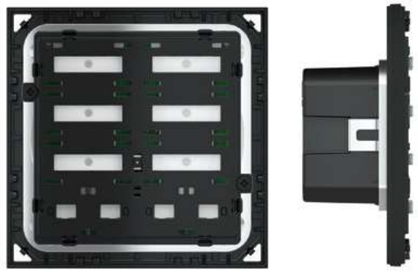
Code	LED colours	Mounting	Rockers
EK-E2E-TP-8	RGB	without frame	8 with backlit text/symbols

Configuration and commissioning

By means of ETS5 software or later versions
Application program: **APEKE2ETP##.knxprod**
(## = version, download from www.ekinex.com)

Documentation

For more information see the technical documentation, download from **www.ekinex.com**



10-fold pushbutton with backlit text/symbols and proximity sensor 20venti series

WALL-MOUNT DEVICES

Description

The Ekinex® 20venti series 5/10-fold pushbutton is used for on/off control of utility devices, dimming of luminaires, control of motorized drives for roller shutters or other programmable control functions. Thanks to the integrated temperature sensor, the button can act as a temperature controller for a room or zone. RGB LED for each rocker. The switch has an integrated KNX bus communication module and is designed for installation in a flush-mounted wall box.

Main features

- 5/10 fold version (possibility to configure up to 5 or 10 independent functions including 2 or 4 functions for adjustments)
- RGB LED for each freely programmable rocker
- Integrated temperature sensor
- Integrated proximity sensor
- Room thermostat function
- Plastic casing
- Connection to bus line with KNX terminal block
- Wall-mounting installation on round or square wall box
- IP20 protection degree (installed)

Technical data

- 30 Vdc power supply by KNX bus
- Current consumption from bus < 17 mA

Delivery

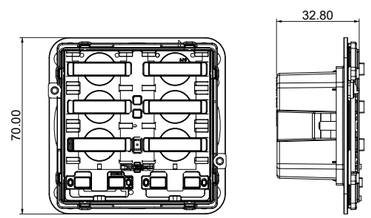
Delivery includes a terminal block for connection to the bus, two pairs of fixing screws.

Accessories

The following accessories are available to be ordered separately:

- 3 or 6 rectangular 30 x 15 mm plastic rockers with or without backlit text/symbol and 1 or 2 rectangular 30 x 15 mm plastic rockers for adjustments
- square plate of the Deep and Surface version with 30 x 60 mm or 60 x 60 mm window
- a plastic adapter
- a metal support for installation onto round or square mounting box (fixing holes 60 mm apart)

Dimensions [mm]



Order information

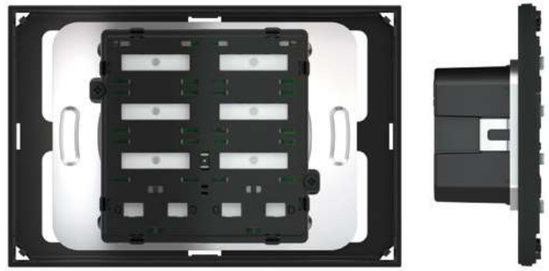
Code	LED colours	Mounting	Rockers
EK-E2E-TP-5L	RGB	without frame	3 left with backlit text/symbols 1 left for adjustments
EK-E2E-TP-5R	RGB		3 right with backlit text/symbols 1 right for adjustments
EK-E2E-TP-10	RGB		6 with backlit text/symbols 2 for adjustments

Configuration and commissioning

By means of ETS4 2.0 software (or later versions)
Application program: **APEKE2ETP##.knxprod**
(## = version, download from www.ekinex.com)

Documentation

For more information see the technical documentation, download from **www.ekinex.com**



10-fold pushbutton with backlit text/symbols and proximity sensor for rectangular wall-box 20venti series

WALL-MOUNT DEVICES

Description

The Ekinex® 20venti series 10-fold pushbutton is used for on/off control of utility devices, dimming of luminaires, control of motorized drives for roller shutters or other programmable control functions. Thanks to the integrated temperature sensor, the button can act as a temperature controller for a room or zone. RGB LED for each rocker. The switch has an integrated KNX bus communication module and is designed for installation in a flush-mounted wall box.

Main features

- 10 fold version (possibility to configure up to 10 independent functions including 4 functions for adjustments)
- RGB LED for each freely programmable rocker
- Integrated temperature sensor
- Integrated proximity sensor
- Room thermostat function
- Plastic casing
- Connection to bus line with KNX terminal block
- Wall-mounting installation on round,square or rectangular wall box
- IP20 protection degree (installed)

Technical data

- 30 Vdc power supply by KNX bus
- Current consumption from bus < 17 mA

Delivery

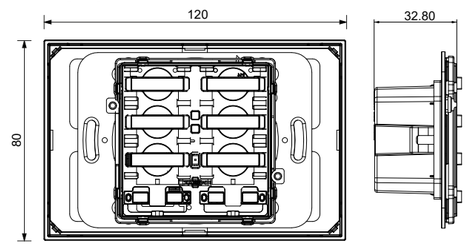
Delivery includes a terminal block for connection to the bus, two pairs of fixing screws.

Accessories

The following accessories are available to be ordered separately:

- 6 rectangular 30 x 15 mm plastic rockers with or without backlit text/symbol and 2 rectangular 30 x 15 mm plastic rockers for adjustments
- rectangular plate of the Deep version with 60 x 60 mm window
- a plastic adapter
- a metal support for installation onto round or square (fixing holes 60 mm apart) or rectangular (fixing holes 83,5 mm apart) mounting box

Dimensions [mm]



Order information

Code	LED colours	Mounting	Rockers
EK-E2E-TP-10	RGB	without frame	6 with backlit text/symbols 2 for adjustments

Configuration and commissioning

By means of ETS4 2.0 software (or later versions)
Application program: **APEKE2ETP##.knxprod**
(## = version, download from www.ekinex.com)

Documentation

For more information see the technical documentation, download from **www.ekinex.com**

FF SERIES

WALL-MOUNT DEVICES

Form	74
‘NF	76
Deep	78
Surface	80



FF Form

WALL-MOUNT DEVICES

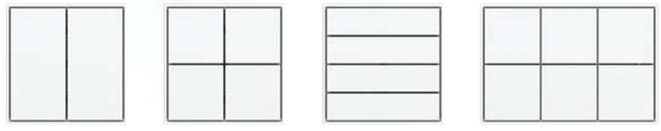
Simple and linear. An essential form that suggests an idea of reliability and rigour. The FF series in Form version features a wide range of devices with integrated LEDs with adjustable light intensity, touch-displays, power sockets and keystone modules. The materials used are plastic, metal, Metal HT, the nanotechnological Fenix NTM® and the different finishes can be freely combined with each other.

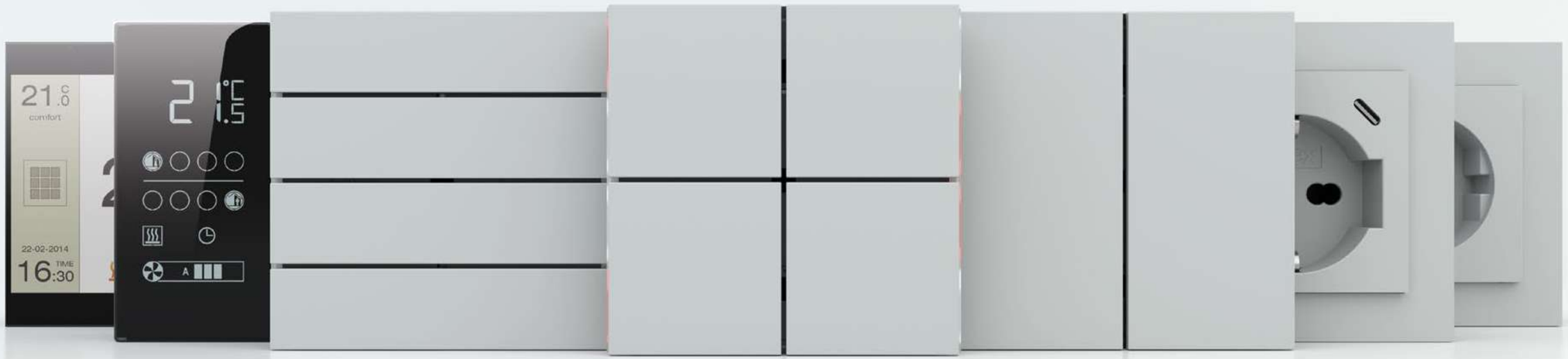
Available colour solutions

	Form	'NF	Deep	Surface	Rockers
	Frames	Plates			
Technopolymer	•	•	•	–	•
Metal	•	•	•	•	•
Metal HT	–	–	•	•	•
Fenix NTM®	–	•	•	•	•

For more information see page 263







FF ‘NF

WALL-MOUNT DEVICES

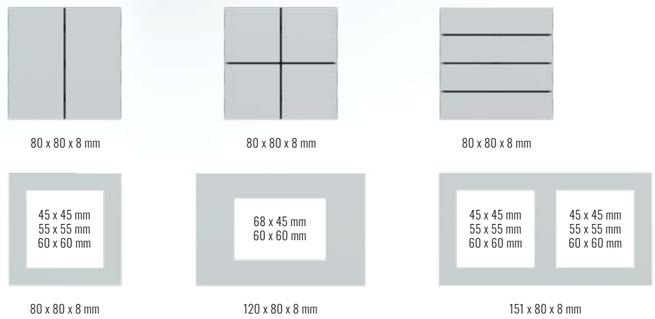
Essential geometry in forms and a decisive trait. More than ever less is more. The range of FF series devices in ‘NF’ version offer the possibility to create numerous variants to meet the most different needs. Devices with integrated LEDs with adjustable luminous intensity, touch-displays, power sockets and keystone modules. The materials used are plastic, metal, Metal HT and the nanotechnological Fenix NTM®.

Available colour solutions

	Form	**‘NF**	Deep	Surface	Rockers
	Frames	Plates			
Technopolymer	•	•	•	–	•
Metal	•	•	•	•	•
Metal HT	–	–	•	•	•
Fenix NTM®	–	•	•	•	•

For more information see page 263







FF Deep

WALL-MOUNT DEVICES

Versatile and suitable for any setting. The Deep version of the FF series consists of devices with integrated LEDs with adjustable light intensity, touch-displays, power sockets and keystone modules. Versatile and compact, it lends itself to various combinations and blends in with all furnishing styles. The materials used are plastic, metal, Metal HT and the nanotechnology Fenix NTM®.

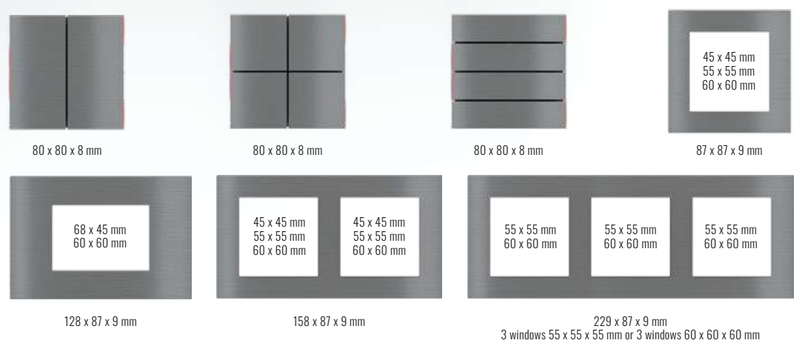
Available colour solutions

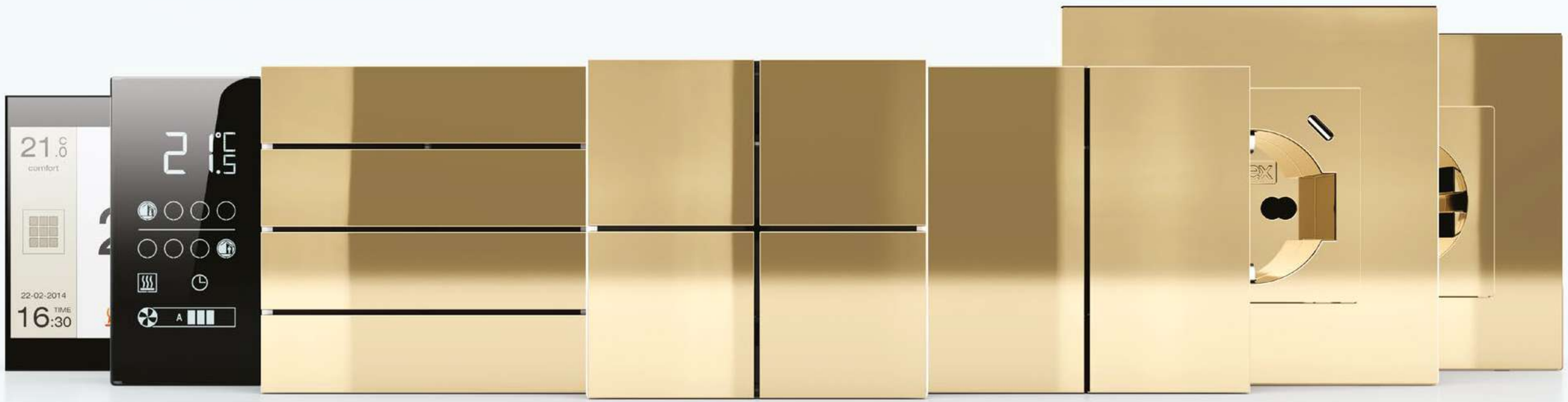
	Form	'NF	**Deep***	Surface	Rockers
	Frames	Plates			
Technopolymer	•	•	•	–	•
Metal	•	•	•	•	•
Metal HT	–	–	•	•	•
Fenix NTM®	–	•	•	•	•

For more information see page 263

*) In the FF Deep we suggest the use of the pushbuttons and room thermostats of the FF - 'NF series







FF Surface

WALL-MOUNT DEVICES

Compact and essential. Creates a continuum with the wall in a few millimetres of thickness. The Surface version of the FF series caresses surfaces to create a uniform effect between button and wall. It consists of devices with integrated LEDs with adjustable light intensity, touch-displays, power sockets and keystone modules. Declined in materials with a strong personality such as metal, Metal HT and Fenix NTM®, it finds its ideal place in all rooms of the contemporary home.

Available colour solutions

	Form	'NF	Deep	**Surface***	Rockers
	Frames	Plates			
Technopolymer	•	•	•	–	•
Metal	•	•	•	•	•
Metal HT	–	–	•	•	•
Fenix NTM®	–	•	•	•	•

For more information see page 263

*) In the FF Surface we suggest the use of the pushbuttons and room thermostats of the FF - 'NF series





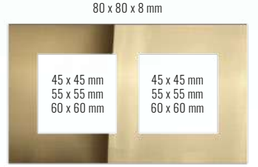
80 x 80 x 8 mm



98 x 98 x 3 mm



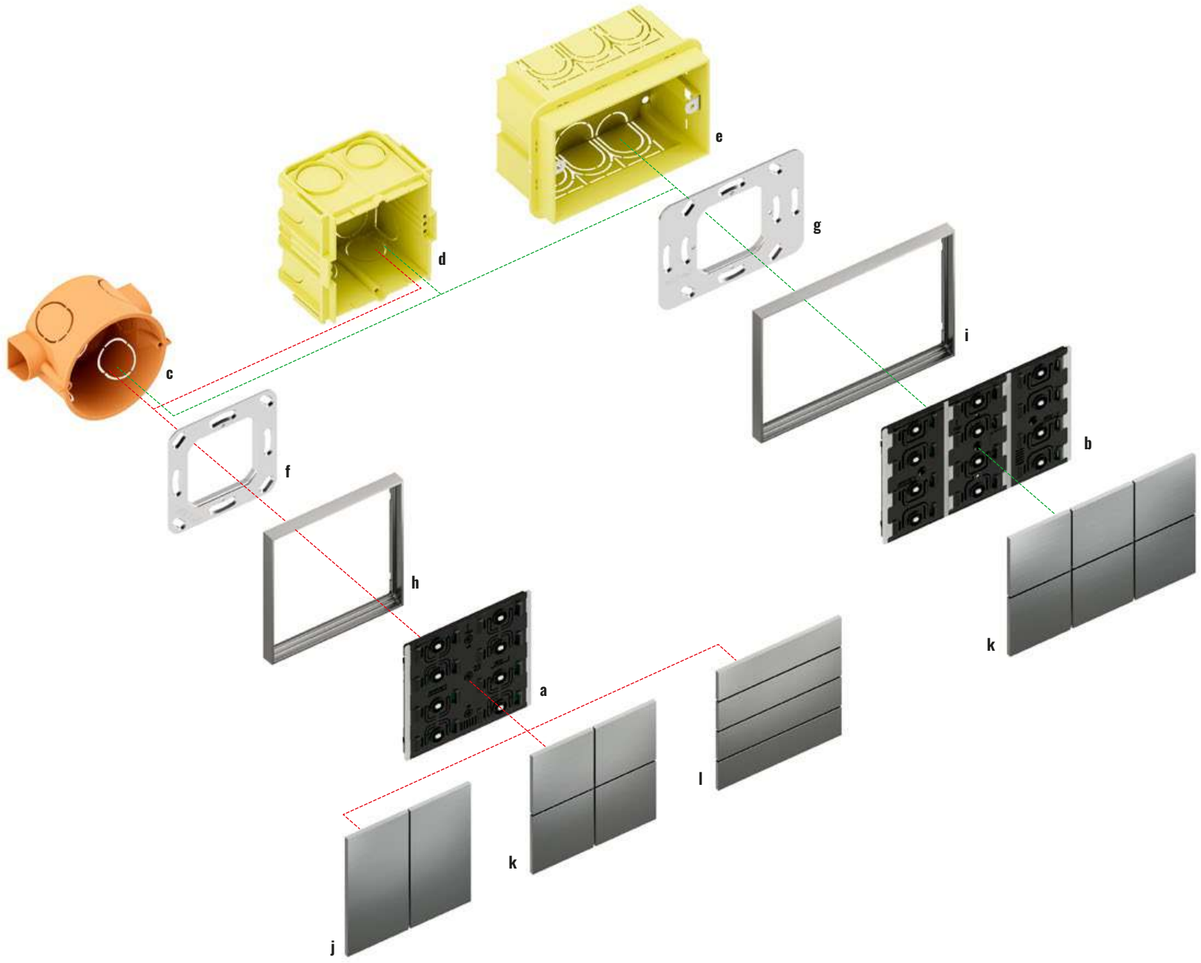
80 x 80 x 8 mm



168 x 98 x 3 mm



80 x 80 x 8 mm



Pushbuttons FF series

Description	Code
a) Pushbutton and room thermostat FF series	EK-ED2-TP-... or EK-E32-TP-...
b) 6-fold pushbutton FF series	EK-EH2-TP-...
c) Round flush-mounting box	not delivered by Ekinex®
d) Square flush-mounting box	not delivered by Ekinex®
e) Rectangular flush-mounting box (3 modules)	not delivered by Ekinex®
f) Metal mounting support	EK-SMQ-71-1
g) Metal mounting support	EK-SMR-71-1

Description	Code
h) Square frame Form version	EK-FOQ-...
i) Rectangular frame Form version	EK-FOR-...
j) Rectangular vertical rockers	EK-TRV-...
k) Square rockers	EK-TQQ-...
l) Rectangular horizontal rockers	EK-TRO-...

Pushbuttons FF series

WALL-MOUNT DEVICES





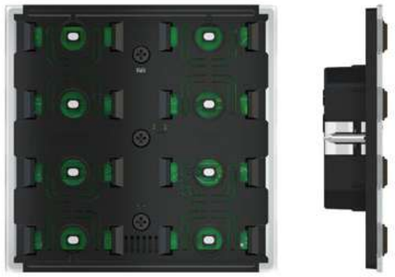
Four or six channels,square or rectangular keys, with or without frame, with or without LED, with or without temperature sensor and thermostat function. Choose the combination that best suits your needs of style and features.



The Ekinex® pushbuttons of FF series range and related accessories offer the possibility to realize several variations that will satisfy the most diverse needs. The base is represented by the 4-fold (EK-ED2-TP and EK-E32-TP) and 6-fold (EK-EH2-TP) pushbuttons; each one is fitted with a KNX communication module. The 4-fold pushbutton is suitable for mounting into a flush mounting box, either round or square, provided with fixing holes 60 mm apart, while the 6-fold version is also ideal for mounting into a rectangular wall mounting box 3 seater according to the Italian installation standard provided with fixing holes 83,5 mm apart. Each device is supplied with its relative metal support which, in case of necessity, can also be ordered separately. A terminal block complete the supply.

The pushbuttons must be finished off with an operation surface (rockers) and a frame. The rockers are available in square and rectangular shapes, plastic material, aluminium or Fenix NTM®, in several colour and finishing variations. The rockers can be personalized with symbols and texts, so to make their function immediately understandable. Versions EK-ED2-TP and EK-EH2-TP have integrated LEDs which can be programmed freely: as an example, as a status feedback or as an orientation light at night time. Two colour combinations are available for the LEDs: blue / green or red / white. The same versions also offer a room thermostat function, thanks to the integrated temperature sensor. The frames, square and rectangular, are available in plastic material or aluminium. The 'NF version of the 4-fold pushbutton is mounted without frame and is provided with a side profile in white or black colour.

The pushbuttons simply get connected to the unique signal bus cable and do not require auxiliary power supply; the devices are supplied at SELV (Safety Extra Low Voltage) voltage, thus offering a much higher safety level than traditional commands. The configuration and commissioning is carried out by means of the ETS® software. The related application programs can be downloaded from the www.ekinex.com website.



4-fold basic pushbutton FF series

WALL-MOUNT DEVICES

Description

The 4-fold pushbutton of Ekinex® FF series commands loads on/off switching, controls the dimming of lighting devices, controls motor drives for shutters or executes any other programmable command and control function. The device integrates a KNX bus communication module and is intended for mounting onto a wall mounting box; it is supplied by a SELV voltage directly from the KNX bus and does not require any auxiliary power supply.

Main features

- 4-fold (possibility to configure up to 8 independent functions)
- Plastic casing
- Wall-mounting installation
- Connection to bus line with KNX terminal block
- Frontal programming pushbutton and LED
- IP20 protection degree (installed)
- Weight 80 g (with mounting support)

Technical data

- 30 Vdc power supply through KNX bus
- Current consumption from bus < 15 mA

Delivery

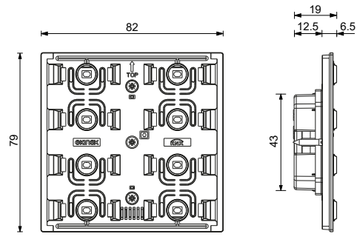
Delivery includes a terminal block for connection to the bus, a metal support for installation onto round or square mounting box (fixing holes 60 mm apart) and two pairs of fixing screws.

Accessories

The following accessories are available to be ordered separately:

- square or rectangular rockers
- square frame Form version

Dimensions [mm]



Order information

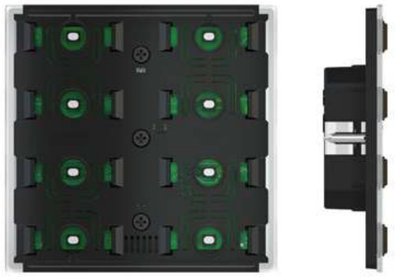
Code	Mounting	Side profile
EK-E32-TP	with square frame Form version	black
EK-E32-TP-NF	without frame ('NF version)	
EK-E32-TP-NFW		white

Configuration and commissioning

By means of ETS5 software or later versions
Application program: **APEKE32TP##.knxprod**
(## = version, downloadable from www.ekinex.com)

Documentation

For more information see the technical documentation, download from **www.ekinex.com**



4-fold pushbutton and room thermostat FF series

WALL-MOUNT DEVICES

Description

The 4-fold pushbutton of Ekinex® FF series commands loads on/off switching, controls the dimming of lighting devices, controls motor drives for shutters or executes any other programmable command and control function. Thanks to the integrated temperature sensor, the pushbutton can work as a thermostat for a room or a zone. The LEDs can be chosen in the colour combinations blue / green or white / red. The device integrates a KNX bus communication module and is intended for mounting onto a wall mounting box; it is supplied by a SELV voltage directly from the KNX bus and does not require any auxiliary power supply.

Main features

- 4-fold (possibility to configure up to 8 independent functions)
- 4 freely programmable LEDs for each channel
- 2 colour combination available for the LEDs (blue/green or red/white)
- Integrated temperature sensor
- Room thermostat function
- Plastic casing
- Wall-mounting installation on round or square wall box
- Connection to bus line with KNX terminal block
- Frontal programming pushbutton and LED
- IP20 protection degree (installed)
- Weight 80 g (with mounting support)

Technical data

- 30 Vdc power supply through KNX bus
- Current consumption from bus < 15 mA

Delivery

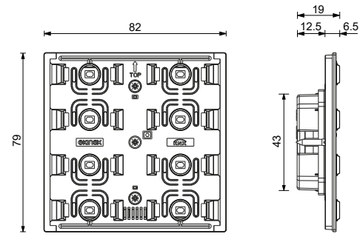
Delivery includes a terminal block for connection to the bus, a metal support for installation onto round or square mounting box (fixing holes 60 mm apart) and two pairs of fixing screws.

Accessories

The following accessories are available to be ordered separately:

- square or rectangular rockers
- square frame Form version

Dimensions [mm]



Order information

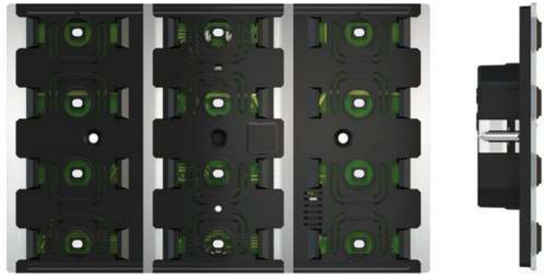
Code	LED colours	Mounting	Side profile
EK-ED2-TP	blue / green	with square frame Form version	black
EK-ED2-TP-RW	red / white		
EK-ED2-TP-BG-NF	blue / green	without frame ('NF version)	
EK-ED2-TP-RW-NF	red / white		
EK-ED2-TP-BG-NFW	blue / green		white
EK-ED2-TP-RW-NFW	red / white		

Configuration and commissioning

By means of ETS5 software or later versions
Application program: **APEKED2TP##.knxprod**
(## = version, downloadable from www.ekinex.com)

Documentation

For more information see the technical documentation, download from **www.ekinex.com**



6-fold pushbutton FF series

WALL-MOUNT DEVICES

Description

The 6-fold pushbutton of Ekinex® FF series commands loads on/off switching, controls the dimming of lighting devices, controls motor drives for shutters or executes any other programmable command and control function. Thanks to the integrated temperature sensor, the pushbutton can send the room temperature value on the bus to other KNX devices. The LEDs can be chosen in the colour combinations blue / green or white / red. The device integrates a KNX bus communication module and is intended for mounting onto a wall mounting box; it is supplied by a SELV voltage directly from the KNX bus and does not require any auxiliary power supply.

Main features

- 6-fold (possibility to configure up to 12 independent functions)
- 4 freely programmable LEDs for each channel
- 2 colour combination available for the LEDs (blue/green or red/white)
- Integrated temperature sensor
- Plastic casing
- Wall-mounting installation on round,square or rectangular wall box
- Connection to bus line with KNX terminal block
- Rear programming pushbutton and LED
- IP20 protection degree (installed)
- Weight 75 g (with mounting support)

Technical data

- 30 Vdc power supply through KNX bus
- Current consumption from bus < 15 mA

Delivery

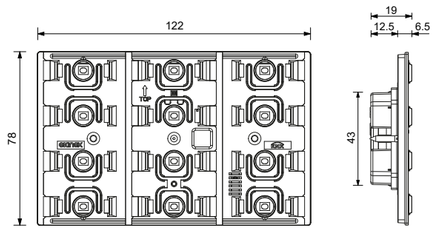
Delivery includes a terminal block for connection to the bus, a metal support for installation onto round or square mounting box (fixing holes 60 mm apart) or rectangular mounting box (fixing holes 83,5 mm apart) and two pairs of fixing screws.

Accessories

The following accessories are available to be ordered separately:

- square rockers
- rectangular frame Form version

Dimensions [mm]



Order information

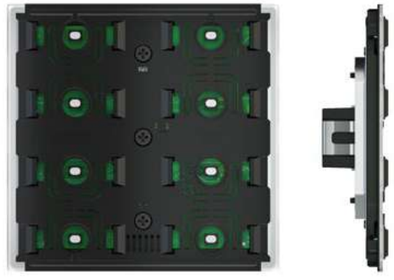
Code	LED colours	Mounting
EK-EH2-TP	blue / green	with rectangular frame Form version
EK-EH2-TP-RW	red / white	

Configuration and commissioning

By means of ETS5 software or later versions
Application program: **APEKEH2TP##.knxprod**
(## = version, downloadable from www.ekinex.com)

Documentation

For more information see the technical documentation, download from **www.ekinex.com**



OMNIA universal pushbutton FF series (NO VOLTAGE)

WALL-MOUNT DEVICES

Description

Ekinex® FF OMNIA series devices are low-voltage 5-24 Vdc Dry contact (model EK-ED2-NC-...) or Open Drain (model EK-ED2-NB-...) pushbuttons for the on/off control of consumers, luminaires, the control of motorised drives or scenes and other control functions, e.g. for the actuation of relays on the rear or in junction boxes. The devices are equipped with 8 outputs and 8 inputs for driving the integrated LEDs. The low-voltage outputs allow wide compatibility with many control systems. The devices are designed for flush-mounting on the wall, suitable for residential applications. They are powered at SELV 5-24 Vdc and integrate perfectly with the aesthetic parts of the Ekinex® FF series.

Main features

- Control of luminaires
- Control of motorised shutter drives (such as roller shutters, awnings, blinds or blinds)
- Different functions programmable by short press / long press of a button
- Piloting of third-party logics and interfaces
- Relay drive (EK-ED2-NB only)
- LED for status indication

Technical data

- LED Power supply: 5-24 Vdc - Output voltage: 5-24 Vdc Dry contact
- Control and signalling elements: physical buttons, white LEDs
- Current consumption per output < 50mA (200mA for EK-ED2-NB)
- LED driving current: settable via dip-switch
- Physical connection via pre-assembled flat cables or rear board
- with adapter (to be screwed onto the rear of the pushbutton panel) and spring contacts
- Permitted wiring diagrams
- a) connection of an I/O module with digital inputs and Open Drain outputs
- b) connection of a series of output pulse relays for driving
- of lamps without electronics (protection diode not supplied)
- c) Direct connection of inputs and outputs with Crestron C2N-UNI8IO interface
- Operating temperature: - 5 ... + 45°C
- Storage temperature: - 25 ... + 55°C - Transport temperature: - 25 ... + 70°C
- Relative humidity: 95% non-condensing
- Technopolymer housing - Design for flush wall mounting
- Degree of protection IP20 (device installed)
- Climatic classification 3K5 and mechanical classification 3M2 (according to EN 50491-2)
- Pollution degree 2 (according to IEC 60664-1)
- Dimensions (LxHxW) 82 x 79 x 19 mm - Weight 65 g (with mounting bracket)

Order information

Code	Version	LED colours	Mounting	Side profile
EK-ED2-NC	Dry Contact	white	with square frame Form version	black
EK-ED2-NB	Open Drain			
EK-ED2-NC-NF	Dry Contact		without frame ('NF version)	white
EK-ED2-NB-NF	Open Drain			
EK-ED2-NC-NFW	Dry Contact			
EK-ED2-NB-NFW	Open Drain			
EK-ACC-SCM	universal interface with terminal block			
EK-ACC-CAA	universal pre-wired connector			
EK-ACC-CAC	pre-wired connector for Crestron product compatibility (C2N-UNI8IO)			

Delivery

The scope of supply includes the device, a square metal bracket, plastic screws and fixing screws (1 pair M2.9x25 mm and 1 pair M2.9x38 mm countersunk flat head screws).

Accessories

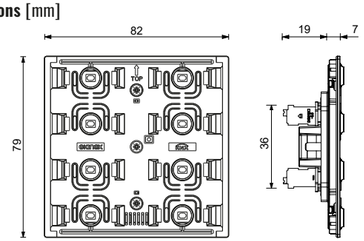
The following accessories are available for completion and must be ordered separately:

- **EK-ACC-SCM:** universal interface with terminal block
- **EK-ACC-CAA:** universal pre-wired connector
- **EK-ACC-CAC:** pre-wired connector for Crestron product compatibility (C2N-UNI8IO)
- square or rectangular rockers - square frame Form version



(1) (2) (3)

Dimensions [mm]



Configuration and commissioning

- Standard con adattatore universale e morsettiera (cod. EK-ACC-SCM)
- Standard con cavo flat
- Dedicato con interfaccia Crestron C2N-UNI8IO

Documentation

For more information see the technical documentation, download from **www.ekinex.com**



Room thermostats

WALL-MOUNT DEVICES

Aesthetics and functionality conjugated according to the Ekinex® style.
The room temperature controls of the FF series contain the characteristics of a product with a strong technological footprint combined with a focus on aesthetic component. Available in different models, integrated LEDs and two custom keys, the Ekinex® room controllers are with their high performance able to meet the most different needs.

Available colour solutions

	Form	
	Frames	Rockers
Technopolymer	•	•
Metal	•	•
Metal HT	-	•
Fenix NTM®	-	•

For more information see page 263

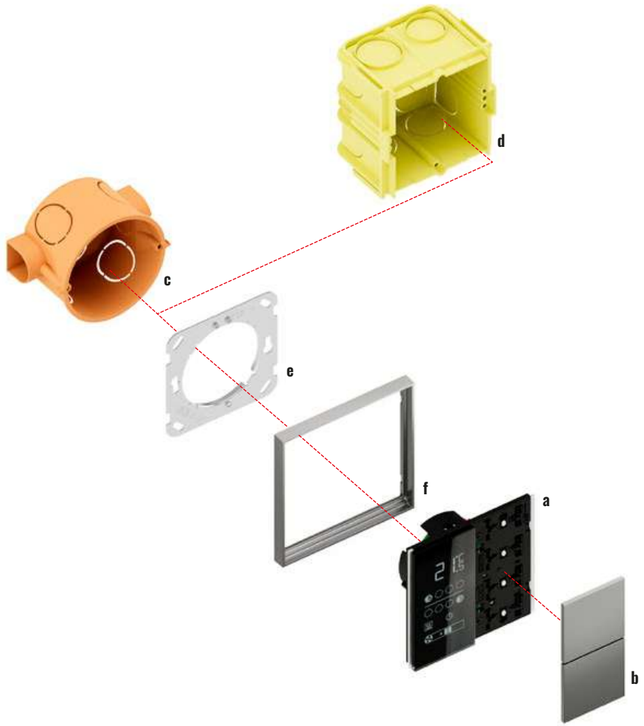




86 x 86 x 8 mm
Form



80 x 80 x 8 mm
'NF Deep Surface



Room thermostats FF series

Description	Code
a) Room thermostat FF series	EK-ER2-TP-... or EK-EP2-TP-... or EK-EQ2-TP-...
b) Set 2 rockers for thermostat FF series	EK-TQQ-...-EP2
c) Round flush-mounting box	not delivered by Ekinex®
d) Square flush-mounting box	not delivered by Ekinex®
e) Metal mounting support	EK-SMQ-1
f) Square frame of Form version	EK-FOQ-...

Room thermostats FF series

WALL-MOUNT DEVICES



Form and 'NF. Two different variations for a room temperature control device with unique performance.



The Ekinex® thermostats of FF series range and related accessories offer the possibility to realize several variations that will satisfy the most diverse needs. The base is represented by the thermostats EK-ER2-TP, EK-EP2-TP and EK-EQ2-TP (with relative humidity sensor); each one integrates a KNX communication module. The device is suitable for mounting into a flush mounting box, either round or square , provided with fixing holes 60 mm apart. Each thermostat is delivered with its relative metal support which, in case of necessity, can also be ordered separately. A terminal block completes the delivery.

The pushbuttons must be finished off with an operation surface (rockers) and a frame. The rockers are available in square shape, plastic material, aluminium or Fenix NTM® in several colour and finishing variations. A special set includes two customized rockers with symbols for the thermostat functions. Each thermostat has integrated LEDs which can be programmed freely: as an example, as a status feedback or as an orientation light at night time. Two colour combinations are available for the LEDs: blue / green or red / white. The square frames are available in Form version and share the same choice of materials, colours and finishings as for rockers. The 'NF version of the thermostat is mounted without frame and is provided with a side profile in white or black colour.

The thermostats simply get connected to the unique signal bus cable and do not require auxiliary power supply; the devices are powered at SELV (Safety Extra Low Voltage) voltage, thus offering a much higher safety level than traditional commands. The configuration and commissioning is carried out by means of the ETS® software. The related application programs can be downloaded from the www.ekinex.com website.



Easy room thermostat FF series

WALL-MOUNT DEVICES

Description

The Ekinex® Easy room thermostat FF-series is a digital electronic thermostat with a user-friendly interface for the end user and system integrator. While using a single differentiated set point for heating and cooling with only one on/off operating mode, the unit allows the control of terminals with one or two stages (such as radiators, floor and ceiling radiant panels, etc.) and fan-coil units with 2 or 4 pipe hydraulic supply. The product is equipped with an LCD display with adjustable back-lighting, a sensor for room temperature measurement and two freely configurable inputs. The indicator LEDs can be chosen in blue/green or white/red colour combinations. The device has an integrated KNX bus communication module and is designed for installation in a flush-mounted wall box; it is powered by the KNX bus and requires no auxiliary power supply.

Main features

- LCD display with adjustable backlighting
- 2 keys for controlling the thermostat functions
- 4 freely programmable LEDs for each button
- 2 colour combinations available for LEDs (blue/green or white/red)
- Integrated temperature sensor
- 2 freely programmable inputs
- Technopolymer housing
- Bus line connection via KNX terminal
- Programming button and LED on front panel
- Recessed wall mounting on round or square box
- IP20 degree of protection (installed)
- Weight 85 g (with mounting bracket)

Technical data

- 30 Vdc power supply through KNX bus
- Current consumption from bus < 13 mA

Delivery

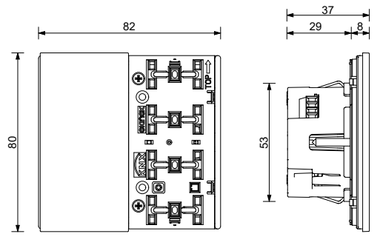
Delivery includes a terminal block for connection to the bus, a metal support for installation onto round or square mounting box (fixing holes 60 mm apart) and two pairs of fixing screws.

Accessories

The following accessories are available to be ordered separately:

- set of two square rockers with symbols for room thermostat
- square frame Form version

Dimensions [mm]



Order information

Code	LED colours	Mounting	Side profile
EK-ER2-TP	blue / green	with square frame Form version	-
EK-ER2-TP-RW	red / white		
EK-ER2-TP-BG-NF	blue / green	without frame ('NF version)	black
EK-ER2-TP-RW-NF	red / white		
EK-ER2-TP-BG-NFW	blue / green		white
EK-ER2-TP-RW-NFW	red / white		

Configuration and commissioning

By means of ETS5 software or later versions
Application program: **APEKER2TP##.knxprod**
(## = version, download from www.ekinex.com)

Documentation

For more information see the technical documentation, download from **www.ekinex.com**



Room thermostat FF series

WALL-MOUNT DEVICES

Description

The Ekinex® room temperature controller of FF series regulates independently the temperature of a room or a zone. In combination with one or more KNX actuators, the room temperature controller is able to control the heating and cooling emission of a series of terminal units for the thermal exchange (such as radiators, fan-coils, floor and ceiling radiant panels, etc.). The device is provided with a LCD-display with adjustable backlight, sensors for temperature and brightness measuring and two freely configurable inputs. The LEDs can be chosen in the colour combinations blue / green or white / red. The device integrates a KNX bus communication module and is intended for mounting onto a wall mounting box; it is powered by a SELV voltage directly from the KNX bus and does not require any auxiliary power supply.

Main features

- LCD-display with adjustable backlight
- 2 rockers for controlling thermostat functions
- 4 freely programmable LEDs for each channel
- 2 colour combination available for the LEDs (blue/green or red/white)
- Integrated temperature sensor
- 2 freely configurable inputs
- Plastic casing
- Connection to bus line with KNX terminal block
- Frontal programming pushbutton and LED
- Wall-mounting installation on round or square wall box
- IP20 protection degree (installed)
- Weight 85 g (with mounting support)

Technical data

- 30 Vdc power supply through KNX bus
- Current consumption from bus < 13 mA

Delivery

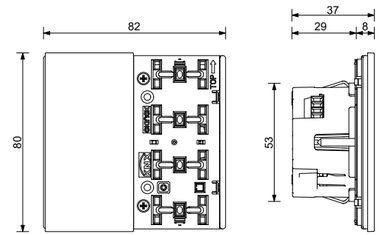
Delivery includes a terminal block for connection to the bus, a metal support for installation onto round or square mounting box (fixing holes 60 mm apart) and two pairs of fixing screws.

Accessories

The following accessories are available to be ordered separately:

- set of two square rockers with symbols for room thermostat
- square frame Form version

Dimensions [mm]



Order information

Code	LED colours	Mounting	Side profile
EK-EP2-TP	blue / green	with square frame Form version	-
EK-EP2-TP-RW	red / white		
EK-EP2-TP-BG-NF	blue / green	without frame ('NF version)	black
EK-EP2-TP-RW-NF	red / white		
EK-EP2-TP-BG-NFW	blue / green		white
EK-EP2-TP-RW-NFW	red / white		

Configuration and commissioning

By means of ETS5 software or later versions
Application program: **APEKEP2TP##.knxprod**
(## = version, download from www.ekinex.com)

Documentation

For more information see the technical documentation, download from **www.ekinex.com**





Room thermostat with relative humidity sensor FF series

WALL-MOUNT DEVICES

Description

The Ekinex® room temperature controller of FF series regulates independently the temperature of a room or a zone. In combination with one or more KNX actuators, the room temperature controller is able to control the heating and cooling emission of a series of terminal units for the thermal exchange (such as radiators, fan-coils, floor and ceiling radiant panels, etc.). The device is provided with a LCD-display with adjustable backlight, sensors for temperature, relative humidity and brightness measuring and two freely configurable inputs. The LEDs can be chosen in the colour combinations blue / green or white / red. The device integrates a KNX bus communication module and is intended for mounting onto a wall mounting box; it is powered by a SELV voltage directly from the KNX bus and does not require any auxiliary power supply.

Main features

- LCD-display with adjustable backlight
- 2 rockers for controlling thermostat functions
- 4 freely programmable LEDs for each channel
- 2 colour combination available for the LEDs (blue/green or red/white)
- Integrated temperature and relative humidity sensor
- 2 freely configurable inputs
- Plastic casing
- Connection to bus line with KNX terminal block
- Frontal programming pushbutton and LED
- Wall-mounting installation on round or square wall box
- IP20 protection degree (installed)
- Weight 85 g (with mounting support)

Technical data

- 30 Vdc power supply through KNX bus
- Current consumption from bus < 13 mA

Delivery

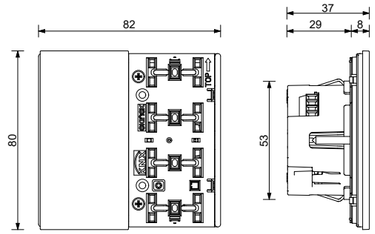
Delivery includes a terminal block for connection to the bus, a metal support for installation onto round or square mounting box (fixing holes 60 mm apart) and two pairs of fixing screws.

Accessories

The following accessories are available to be ordered separately:

- set of two square rockers with symbols for room thermostat
- square frame Form version

Dimensions [mm]



Order information

Code	LED colours	Mounting	Side profile
EK-EQ2-TP	blue / green	with square frame Form version	-
EK-EQ2-TP-RW	red / white		
EK-EQ2-TP-BG-NF	blue / green	without frame ('NF version)	black
EK-EQ2-TP-RW-NF	red / white		
EK-EQ2-TP-BG-NFW	blue / green		white
EK-EQ2-TP-RW-NFW	red / white		

Configuration and commissioning

By means of ETS5 software or later versions
Application program: **APEKEQ2TP##.knxprod**
(## = version, download from www.ekinex.com)

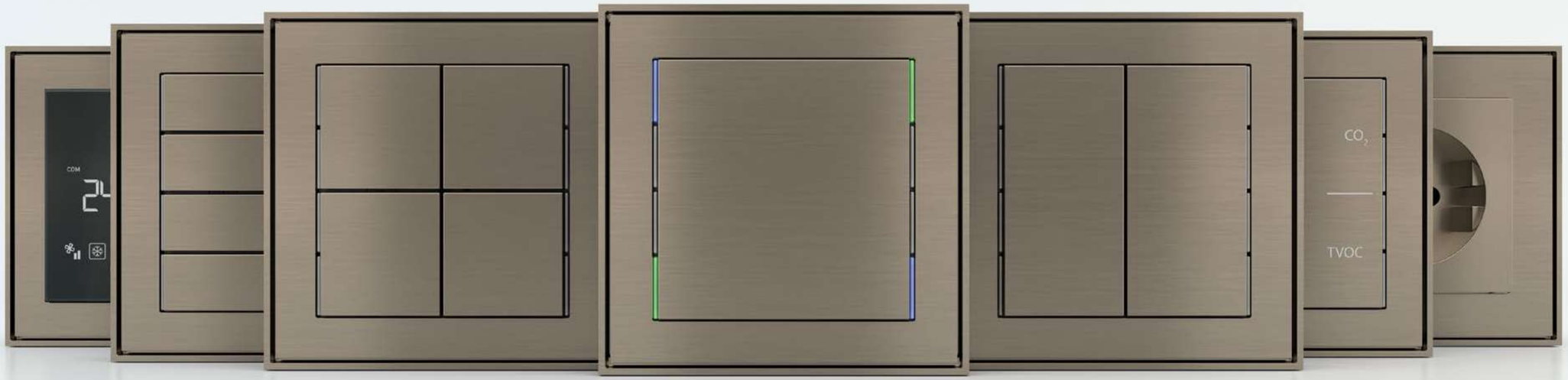
Documentation

For more information see the technical documentation, download from **www.ekinex.com**

71 SERIES

WALL-MOUNT DEVICES

Form	100
‘NF	102
Deep	104
Surface	106



71 Form

WALL-MOUNT DEVICES

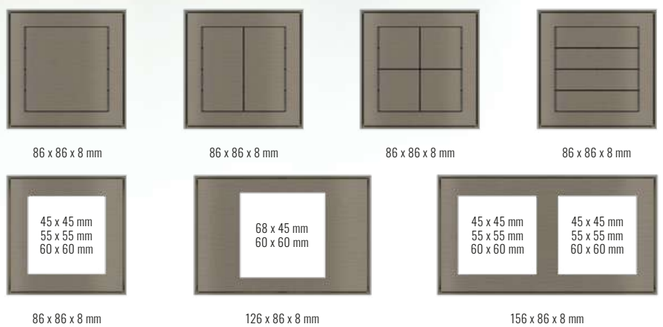
Elegant and refined. The compactness that adapts to your style. With an ultra-slim frame, the Form version of the 71 series features devices with integrated LEDs with adjustable light intensity, power sockets and keystone modules. The materials used are plastic, metal, Metal HT, the nanotechnological Fenix NTM® and the different finishes can be freely combined to each other.

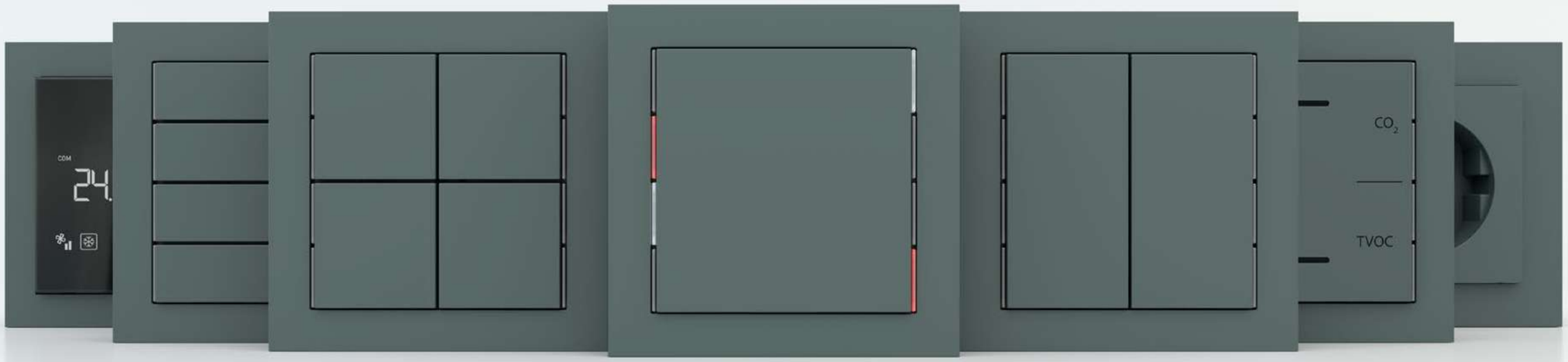
Available colour solutions

	Form	'NF	Deep	Surface	Rockers
	Frames	Plates			
Technopolymer	•	•	•	–	•
Metal	•	•	•	•	•
Metal HT	–	–	•	•	•
Fenix NTM®	–	•	•	•	•

For more information see page 263







71 ‘NF

WALL-MOUNT DEVICES

Simple and rational. Frameless, the ‘NF’ version of the 71 series features devices with integrated LEDs with adjustable light intensity, power sockets and keystone modules. The materials used are plastic, metal, Metal HT, the nanotechnological Fenix NTM® and the different finishes can be freely combined to each other.

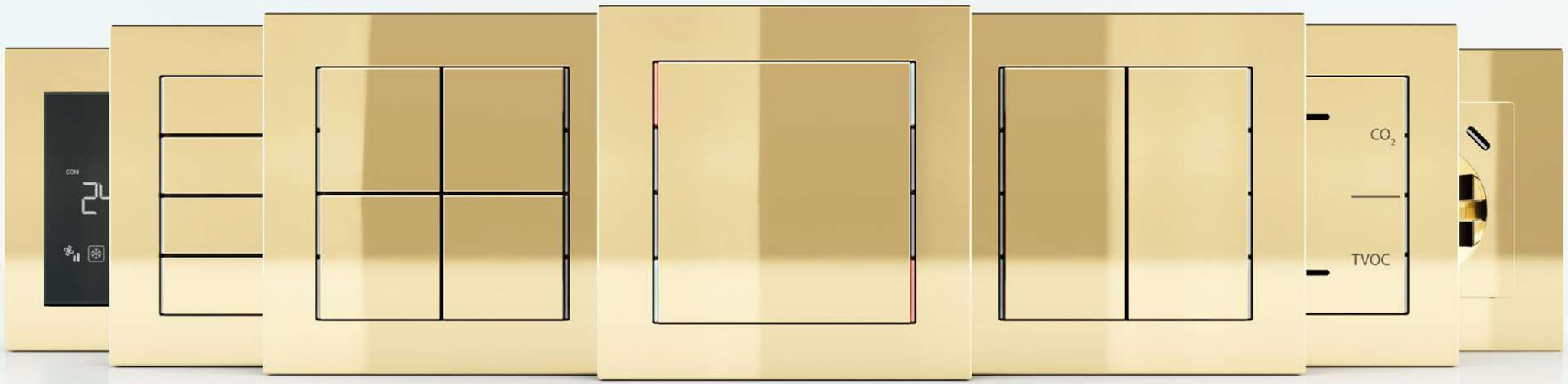
Available colour solutions

	Form	‘NF	Deep	Surface	Rockers
	Frames	Plates			
Technopolymer	•	•	•	–	•
Metal	•	•	•	•	•
Metal HT	–	–	•	•	•
Fenix NTM®	–	•	•	•	•

For more information see page 263







71 Deep

WALL-MOUNT DEVICES

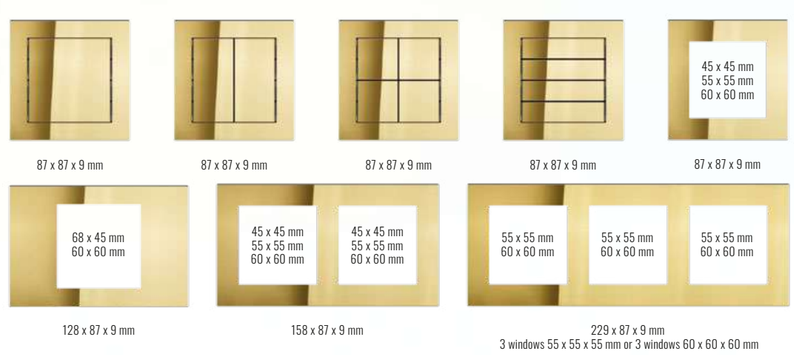
Slim and elegant. The Deep version of the 71 series features devices with integrated LEDs with adjustable light intensity, power sockets and keystone modules. The materials used are plastic, metal, Metal HT, the nanotechnological Fenix NTM®. The different finishes can be freely combined with each other, to match even the most eclectic and design-intensive spaces.

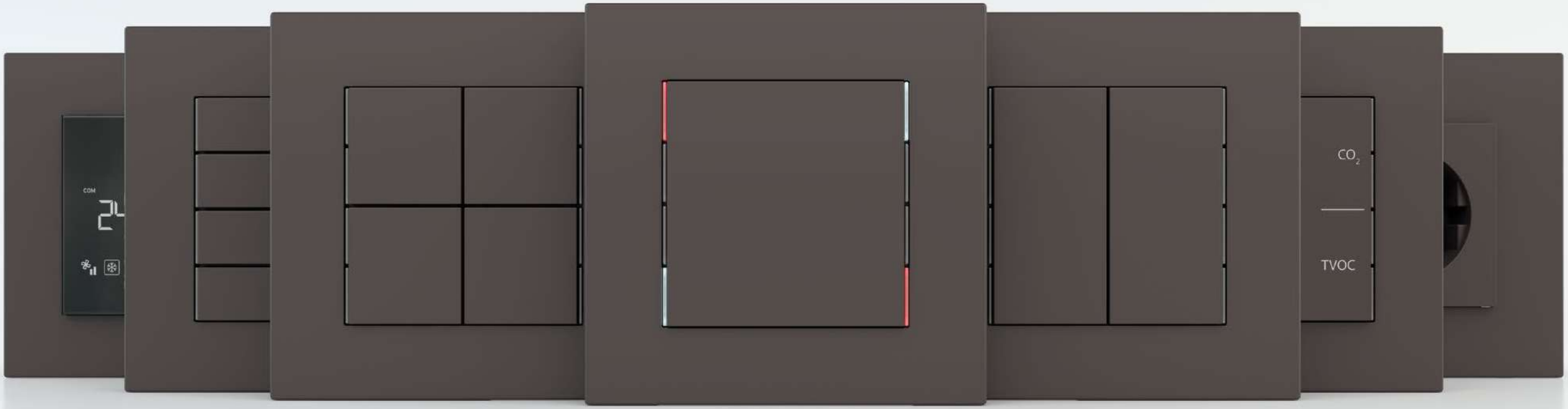
Available colour solutions

	Form	'NF	**Deep**	Surface	Rockers
	Frames	Plates			
Technopolymer	•	•	•	–	•
Metal	•	•	•	•	•
Metal HT	–	–	•	•	•
Fenix NTM®	–	•	•	•	•

For more information see page 263







71 Surface

WALL-MOUNT DEVICES

Essentiality and functionality for the contemporary home. Designed to create a continuum with the wall, the Surface version of the 71 series integrates with the background until it almost becomes part of it. It features devices with integrated LEDs with adjustable light intensity, power sockets and keystone modules. The different available combinations make it particularly versatile and successful in the most different situations. The materials used are metal, Metal HT and the nanotechnological Fenix NTM®.

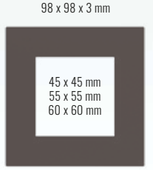
Available colour solutions

	Form	'NF	Deep	**Surface**	Rockers
	Frames	Plates			
Technopolymer	•	•	•	–	•
Metal	•	•	•	•	•
Metal HT	–	–	•	•	•
Fenix NTM®	–	•	•	•	•

For more information see page 263



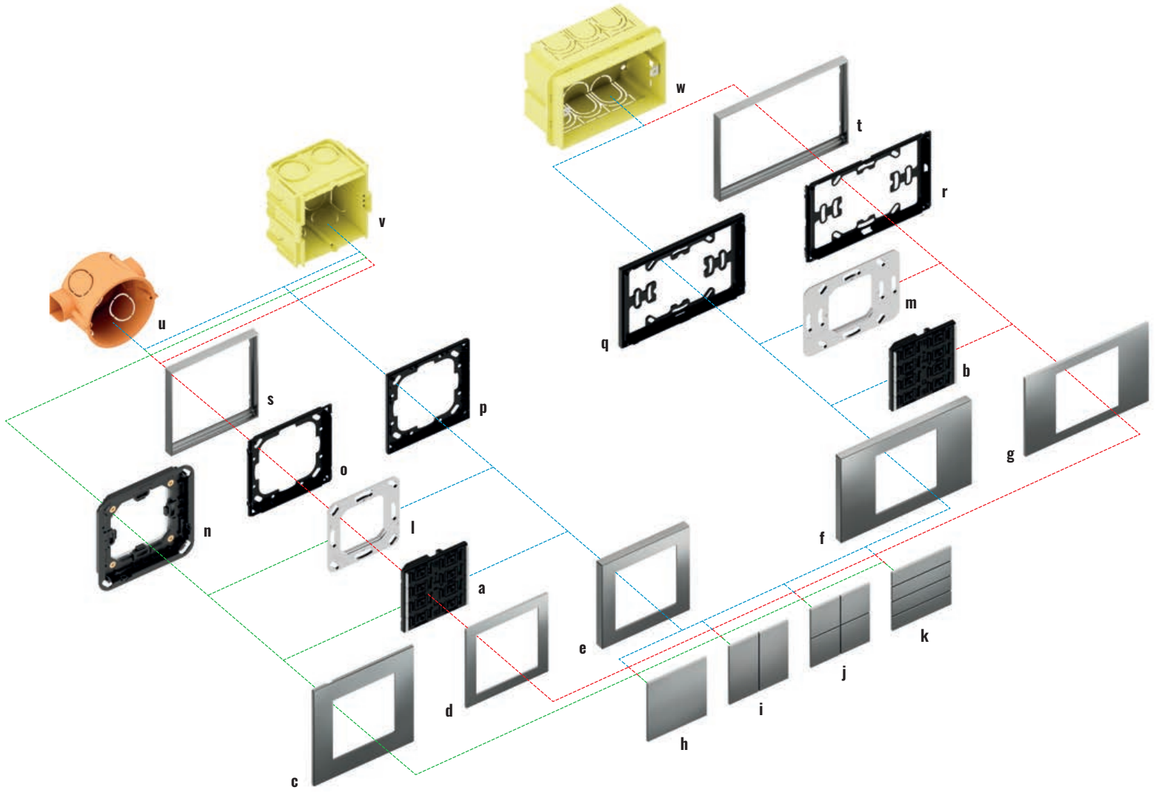




98 x 98 x 3 mm



168 x 98 x 3 mm



Pushbuttons 71 series

Description	Code
a) b) Pushbutton 71 series	EK-E13-TP-.... o EK-E23-TP
c) Square plate Surface version*	EK-SQS-....
d) Square plate*	EK-PQS-....
e) Square plate Deep version*	EK-DQP-....
f) Rectangular plate Deep version*	EK-DRS-....
g) Rectangular plate*	EK-PRS-....
h) Square rocker (1)	EK-T1Q-....
i) Rectangular vertical rockers (2)	EK-T2R-....
j) Square rockers (4)	EK-T4Q-....
k) Rectangular horizontal rockers (4)	EK-T4R-....
l) Metal mounting support	EK-SMQ-71-1
m) Metal mounting support with adapter	EK-SMR-71-1

Description	Code
n) Adapter for square Surface plate	EK-TAS-Q-W or EK-TAS-Q-N
o) Adapter for square plate Form frames	EK-TAQE-1
p) Adapter for square plate 'NF and Deep version	EK-TAQE-1-NF
q) Adapter for rectangular plate 'NF and Deep version	EK-TAR-1-NF
r) Adapter for rectangular plate Form frames	EK-TAR-1
s) Square frame Form version	EK-FOQ-....
t) Rectangular frame Form version	EK-FOR-....
u) Round flush-mounting box	not delivered by Ekinex®
v) Square flush-mounting box	not delivered by Ekinex®
w) Rectangular flush-mounting box (3 modules)	not delivered by Ekinex®
*) 60 x 60 mm window	

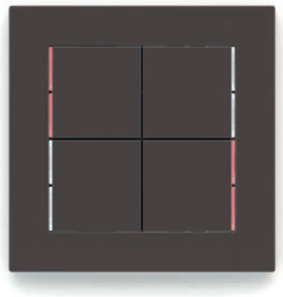
Pushbuttons 71 series

WALL-MOUNT DEVICES





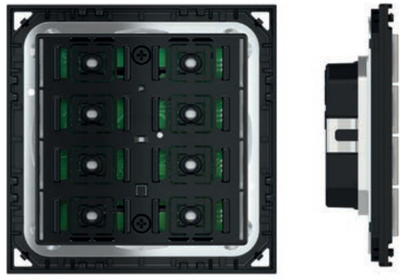
71 series: infinite number of combinations for a unique style. The series of 71 buttons are available in square or rectangular version with single, double or triple window (Deep version only).



The Ekinex® pushbuttons of 71 series range and related accessories offer the possibility to realize several variations that will satisfy the most diverse needs. The base is represented by the device which is fitted with a KNX communication module. The pushbutton is suitable for mounting into a flush mounting box, either round or square, provided with fixing holes 60 mm apart and for mounting into a rectangular wall mounting box 3 seater according to the Italian installation standard provided with fixing holes 83,5 mm apart. Each pushbutton is delivered with a terminal block and two pairs of fixing screws.

The pushbuttons must be finished off with its relative metal support, a plastic adapter, an operation surface (rockers), a plate with 60 x 60 mm window and a frame. The rockers are available in square and rectangular shapes of different modularities, in plastic material, aluminium or Fenix NTM® and in several colours. Version EK-E13-TP-.. has integrated LEDs which can be programmed freely: as an example, as a status feedback or as an orientation light at night time. Two colour combinations are available for the LEDs: blue / green or red / white. The same version also offers a room thermostat function, thanks to the integrated temperature sensor. The frames, square and rectangular, are available in plastic material or aluminium and in several colours and finishings. The 'NF version of the pushbutton is mounted without frame and is provided with a side profile in white or black colour.

The pushbuttons simply get connected to the unique signal bus cable and do not require auxiliary power supply; the devices are supplied at SELV (Safety Extra Low Voltage) voltage, thus offering a much higher safety level than traditional commands. The configuration and commissioning is carried out by means of the ETS® software. The related application programs can be downloaded from the www.ekinex.com website.



4-fold basic pushbutton 71 series

WALL-MOUNT DEVICES

Description

The 4-fold pushbutton of Ekinex® 71 series commands loads on/off switching, controls the dimming of lighting devices, controls motor drives for shutters or executes any other programmable command and control function. The device integrates a KNX bus communication module and is intended for mounting onto a wall mounting box; it is supplied by a SELV voltage directly from the KNX bus and does not require any auxiliary power supply.

Main features

- 4-fold (possibility to configure up to 8 independent functions)
- Plastic casing
- Connection to bus line with KNX terminal block
- Frontal programming pushbutton and LED
- Wall-mounting installation on round or square wall box
- IP20 protection degree (installed)
- Weight 70 g (with mounting support)

Technical data

- 30 Vdc power supply by KNX bus
- Current consumption from bus < 15 mA

Delivery

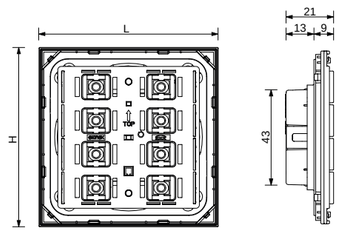
Delivery includes a terminal block for connection to the bus, two pairs of fixing screws.

Accessories

The following accessories are available to be ordered separately:

- set of 1 square rocker, 2 vertical rectangular rockers, 4 square rockers or 4 horizontal rectangular rockers
- square and double frame Form version
- square, double and triple plate with 60 x 60 mm window
- a plastic adapter
- metal support for installation onto round or square mounting box (fixing holes 60 mm apart)

Dimensions [mm]



Mounting with frame: 81 x 77 (L x H)
Mounting without frame ('NF): 80 x 80 (L x H)

Order information

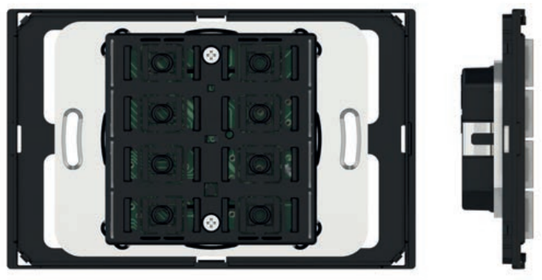
Code	Mounting
EK-E23-TP	with square and double frame Form version, without frame ('NF version)

Configuration and commissioning

By means of ETS5 software or later versions
Application program: **APEKE23TP##.knxprod**
(## = version, downloadable from www.ekinex.com)

Documentation

For more information see the technical documentation, download from **www.ekinex.com**



4-fold basic pushbutton and room thermostat for rectangular wall-box 71 series

WALL-MOUNT DEVICES

Description

The 4-fold pushbutton of Ekinex® 71 series commands loads on/off switching, controls the dimming of lighting devices, controls motor drives for shutters or executes any other programmable command and control function. The device integrates a KNX bus communication module and is intended for mounting onto a wall mounting box; it is supplied by a SELV voltage directly from the KNX bus and does not require any auxiliary power supply.

Main features

- 4-fold (possibility to configure up to 8 independent functions)
- Plastic casing
- Connection to bus line with KNX terminal block
- Frontal programming pushbutton and LED
- Wall-mounting installation on round,square or rectangular wall box
- IP20 protection degree (installed)
- Weight 100 g (with mounting support)

Technical data

- 30 Vdc power supply by KNX bus
- Current consumption from bus < 15 mA

Delivery

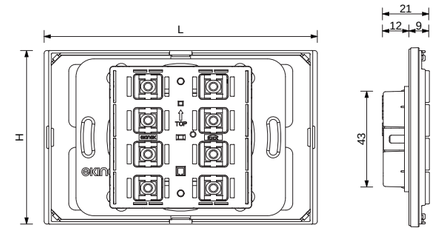
Delivery includes a terminal block for connection to the bus, two pairs of fixing screws.

Accessories

The following accessories are available to be ordered separately:

- set of 1 square rocker, 2 vertical rectangular rockers, 4 square rockers or 4 horizontal rectangular rockers
- rectangular frame Form version
- rectangular plate with 60 x 60 mm window
- a plastic adapter
- a metal support for installation onto round or square (fixing holes 60 mm apart) or rectangular (fixing holes 83,5 mm apart) mounting box

Dimensions [mm]



Mounting with frame: 122 x 77 (L x H)
Mounting without frame ('NF): 120 x 80 (L x H)

Order information

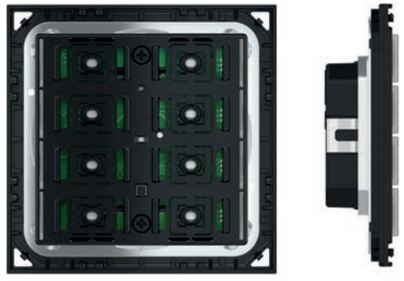
Code	Mounting
EK-E23-TP	with square and double frame Form version, without frame ('NF version)

Configuration and commissioning

By means of ETS5 software or later versions
Application program: **APEKE23TP##.knxprod**
(## = version, downloadable from www.ekinex.com)

Documentation

For more information see the technical documentation, download from **www.ekinex.com**



4-fold pushbutton and room thermostat 71 series

WALL-MOUNT DEVICES

Description

The 4-fold pushbutton of Ekinex® 71 series commands loads on/off switching, controls the dimming of lighting devices, controls motor drives for shutters or executes any other programmable command and control function. Thanks to the integrated temperature sensor, the pushbutton can work as a thermostat for a room or a zone. The LED can be chosen in the colour combinations blue / green or white / red. The device integrates a KNX bus communication module and is intended for mounting onto a wall mounting box; it is powered by a SELV voltage directly from the KNX bus and does not require any auxiliary power supply.

Main features

- 4-fold (possibility to configure up to 8 independent functions)
- 4 freely programmable LED for each channel
- 2 colour combination available for the LED (blue / green or red / white)
- Room thermostat function
- Integrated temperature sensor
- Plastic casing
- Connection to bus line with KNX terminal block
- Frontal programming pushbutton and LED
- Wall-mounting installation on round or square wall box
- IP20 protection degree (installed)
- Weight 70 g (with mounting support)

Technical data

- 30 Vdc power supply by KNX bus
- Current consumption from bus < 15 mA

Delivery

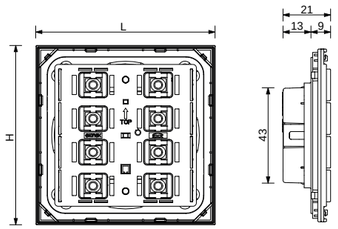
Delivery includes a terminal block for connection to the bus, two pairs of fixing screws.

Accessories

The following accessories are available to be ordered separately:

- set of 1 square rocker, 2 vertical rectangular rockers, 4 square rockers or 4 horizontal rectangular rockers
- square and double frame Form version
- square, double and triple plate with 60 x 60 mm window
- a plastic adapter
- metal support for installation onto round or square mounting box (fixing holes 60 mm apart)

Dimensions [mm]



Mounting with frame: 81 x 77 (L x H)
Mounting without frame ('NF): 80 x 80 (L x H)

Order information

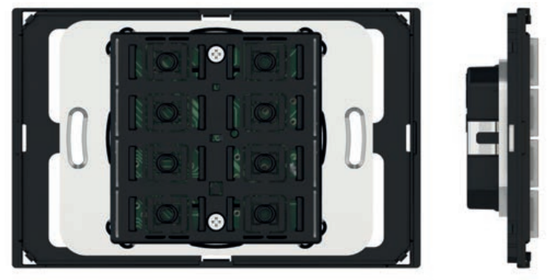
Code	LED colours	Mounting
EK-E13-TP-BG	blue / green	with square and double frame Form version, without frame ('NF version)
EK-E13-TP-RW	red / white	

Configuration and commissioning

By means of ETS5 software or later versions
Application program: **APEKE13TP##.knxprod**
(## = version, download from www.ekinex.com)

Documentation

For more information see the technical documentation, download from **www.ekinex.com**



4-fold pushbutton and room thermostat for rectangular wall-box 71 series

WALL-MOUNT DEVICES

Description

The 4-fold pushbutton of Ekinex® 71 series commands loads on/off switching, controls the dimming of lighting devices, controls motor drives for shutters or executes any other programmable command and control function. Thanks to the integrated temperature sensor, the pushbutton can work as a thermostat for a room or a zone. The LED can be chosen in the colour combinations blue / green or white / red. The device integrates a KNX bus communication module and is intended for mounting onto a wall mounting box; it is powered by a SELV voltage directly from the KNX bus and does not require any auxiliary power supply.

Main features

- 4-fold (possibility to configure up to 8 independent functions)
- 4 freely programmable LED for each channel
- 2 colour combination available for the LED (blue / green or red / white)
- Room thermostat function
- Integrated temperature sensor
- Plastic casing
- Connection to bus line with KNX terminal block
- Frontal programming pushbutton and LED
- Wall-mounting installation on round,square or rectangular wall box
- IP20 protection degree (installed)
- Weight 100 g (with mounting support)

Technical data

- 30 Vdc power supply by KNX bus
- Current consumption from bus < 15 mA

Delivery

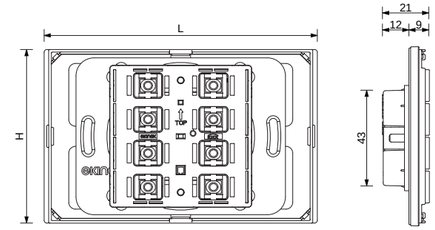
Delivery includes a terminal block for connection to the bus, two pairs of fixing screws.

Accessories

The following accessories are available to be ordered separately:

- set of 1 square rocker, 2 vertical rectangular rockers, 4 square rockers or 4 horizontal rectangular rockers
- rectangular frame Form version
- rectangular plate with 60 x 60 mm window
- a plastic adapter
- a metal support for installation onto round or square (fixing holes 60 mm apart) or rectangular (fixing holes 83,5 mm apart) mounting box

Dimensions [mm]



Mounting with frame: 122 x 77 (L x H)
Mounting without frame ('NF): 120 x 80 (L x H)

Order information

Code	LED colours	Mounting
EK-E13-TP-BG	blue / green	with square and double frame Form version, without frame ('NF version)
EK-E13-TP-RW	red / white	

Configuration and commissioning

By means of ETS5 software or later versions
Application program: **APEKE13TP##.knxprod**
(## = version, download from www.ekinex.com)

Documentation

For more information see the technical documentation, download from **www.ekinex.com**



Room thermostats

WALL-MOUNT DEVICES

Create a pleasant atmosphere. Ekinex® thermostats and multi-sensors are compatible with all ranges and allow you to tailor the controls to your needs, save energy and ensure maximum comfort all year round. Easy to use and featuring cutting-edge technology: they'll make you want to come home.

Available colour solutions

	Form	'NF	Deep	Surface
	Frames	Plates		
Technopolymer	•	•	•	–
Metal	•	•	•	•
Metal HT	–	–	•	•
Fenix NTM®	–	•	•	•

For more information see page 263





86 x 86 x 8 mm
Form



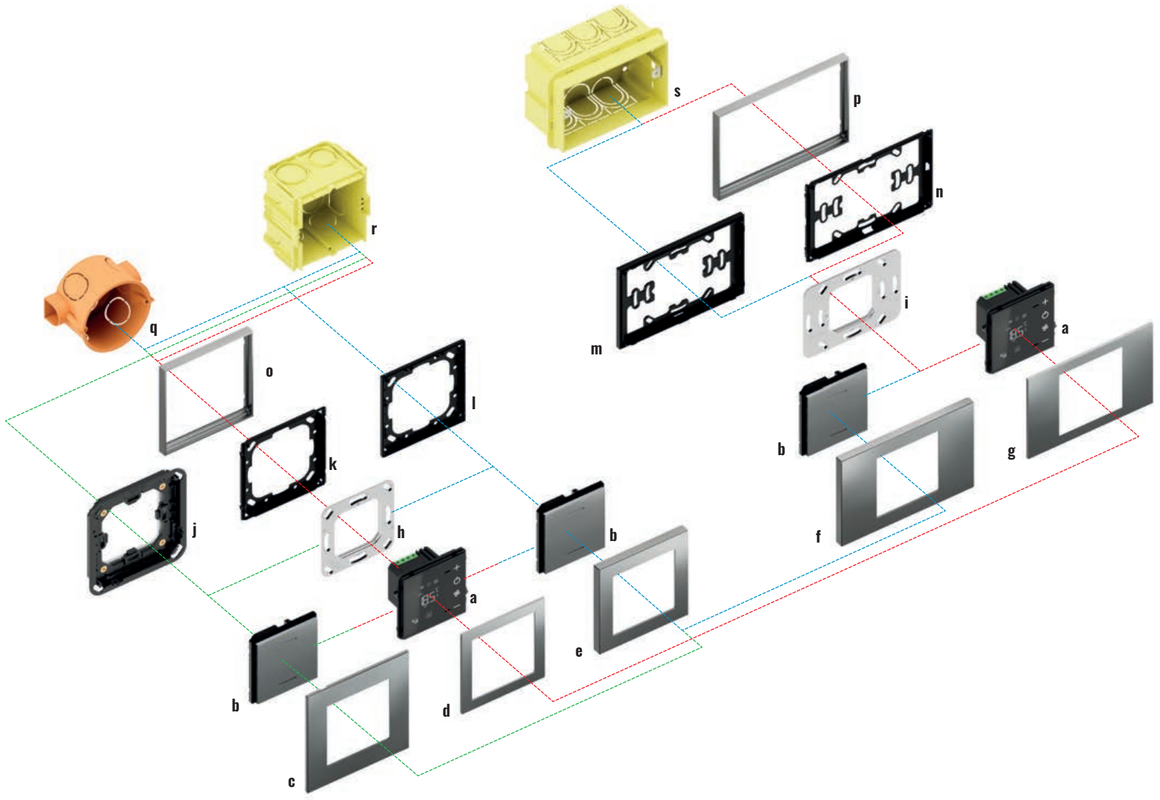
80 x 80 x 8 mm
'NF



86 x 86 x 9 mm
Deep



98 x 98 x 3 mm
Surface



Room thermostats and Multisensors 71 series

Description	Code
a) Thermostat 71 series	EK-EM2-TP-E - EK-EM2-TP-F
b) Multisensor 71 series	EK-ET3-TP or EK-ES3-TP
c) Square plate Surface version*	EK-SQS-...
d) Square plate*	EK-PQS-...
e) Square plate Deep version*	EK-DQP-...
f) Rectangular plate Deep version*	EK-DRS-...
g) Rectangular plate*	EK-PRS-...
h) Metal mounting support	EK-SMQ-71-1
i) Metal mounting support with adapter	EK-SMR-71-1
j) Adapter for square Surface plate	EK-TAS-Q-W or EK-TAS-Q-N
k) Adapter for square plate Form frames	EK-TAQE-1

Description	Code
l) Adapter for square plate 'NF and Deep version	EK-TAQE-1-NF
m) Adapter for rectangular plate 'NF and Deep version	EK-TAR-1-NF
n) Adapter for rectangular plate Form frames	EK-TAR-1
o) Square frame Form version	EK-FOQ-...
p) Rectangular frame Form version	EK-FOR-...
q) Round flush-mounting box	not delivered by Ekinex®
r) Square flush-mounting box	not delivered by Ekinex®
s) Rectangular flush-mounting box (3 modules)	not delivered by Ekinex®
*) 60 x 60 mm window	

Room thermostats 71 series

WALL-MOUNT DEVICES



Many different combinations, possibilities installation horizontally or vertically, room temperature control meets all requirements. Yours too...



Ekinex® room thermostats and multi-sensors, together with their accessories, offer a wide range of configuration options to meet the most diverse requirements, as they can be combined with all Ekinex® series. The core component is the device, which houses a KNX communication module. The device is suitable for mounting in a round or square flush-mounted wall box with fixing holes spaced 60 mm apart, or in a standard Italian 3-gang rectangular flush-mounted wall box with fixing holes spaced 83.5 mm apart. The supply includes a bus line connection terminal and two pairs of screws.

Among the new additions to the range is CLIMA (code EK-EM2-TP), the new room thermostat with an LCD display, backlit capacitive buttons and an integrated temperature and humidity sensor, for the independent control of rooms and zones in combination with KNX actuators and/or VRF/VRV interfaces. It is available in two versions: CLIMA EASY (EK-EM2-TP-E), with a simplified on/off interface, ideal for the hospitality sector; and CLIMA CLASSIC (EK-EM2-TP-F), with multiple setpoints for residential use.

Alongside the thermostats, the range also includes multi-sensors, KNX devices capable of detecting temperature, relative humidity and air quality, whilst also acting as room controllers. The T - R.H. - CO□ eq. multi-sensor (EK-ET3-TP) measures temperature, relative humidity and CO□ equivalent concentration; the air quality multisensor with controller (EK-ES3-TP) adds TVOC (Total Volatile Organic Compounds) detection and a threshold control function for all three parameters. Both feature front-panel LEDs to indicate heating, cooling, dehumidification, humidification and air quality thresholds.





CLIMA EASY room thermostat

WALL-MOUNT DEVICES

Description

CLIMA: Comfort control becomes an integral part of the interior design.
The CLIMA room thermostat combines aesthetics and technology to create a new control experience: intuitive for those who live in the space, sophisticated for those who design it.
CLIMA is used for the independent regulation of the temperature in a room or zone.
In combination with one or more KNX actuators and/or KNX VRF/VRV interfaces, the thermostat is capable of controlling the heat or cooling output of a range of room heating and cooling terminals, such as radiators, fan coil units, underfloor and ceiling radiant panels, and indoor air conditioning units.
The device is fitted with an LCD display and touch buttons with adjustable backlighting, as well as a sensor for measuring room temperature and relative humidity.
Thanks to its simplified user interface with a single on/off operating mode, it allows for immediate use, making it particularly suitable for hospitality applications and non-permanent residential situations. The device features an integrated KNX bus communication module and is designed for flush-mounted installation in a wall box; it is powered via the KNX bus and requires no auxiliary power supply.

Main features

- LCD display with adjustable backlighting
- 4 capacitive buttons with adjustable backlighting for controlling thermostat functions
- Integrated temperature and relative humidity sensor
- 2 freely programmable inputs
- Connection to the bus via a KNX terminal
- KNX programming button on the right-hand side
- IP20 protection rating (when installed)

Technical data

- 30 Vdc power supply by KNX bus
- Current consumption from bus < 13 mA

Delivery

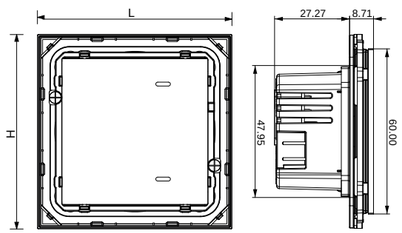
Delivery includes a terminal block for connection to the bus, two pairs of fixing screws.

Accessories

The following accessories are available to be ordered separately:

- square frame (Form version)
- square faceplate with a 60 x 60 mm window
- plastic adapter
- metal bracket for mounting on a round or square junction box (hole centre-to-centre distance 60 mm)

Dimensions [mm]



Mounting with frame: 81 x 77 (L x H)
Mounting without frame ('NF): 80 x 80 (L x H)

Order information

Code	Version	Mounting
EK-EM2-TP-E	EASY	with square and double frame Form version, without frame ('NF version)

Configuration and commissioning

By means of ETS5 software or later versions
Application program: **APEKEM2TPE##.knxprod**
(## = version, download from www.ekinex.com)

Documentation

For more information see the technical documentation, download from **www.ekinex.com**





CLIMA EASY room thermostat for rectangular wall-box 71 series

WALL-MOUNT DEVICES

Description

CLIMA Comfort control becomes an integral part of the interior design. The CLIMA room thermostat combines aesthetics and technology to create a new control experience: intuitive for those who live in the space, advanced for those who design it.
CLIMA is used for the independent regulation of the temperature in a room or zone.
In combination with one or more KNX actuators and/or KNX VRF/VRV interfaces, the thermostat is capable of controlling the heat or cooling output of a range of room heating and cooling terminals, such as radiators, fan coil units, underfloor and ceiling radiant panels, and indoor air conditioning units.
The device is fitted with an LCD display and touch buttons with adjustable backlighting, as well as a sensor for measuring room temperature and relative humidity.
Thanks to its simplified user interface with a single on/off operating mode, it allows for immediate use, making it particularly suitable for hospitality applications and non-permanent residential situations.
The device features an integrated KNX bus communication module and is designed for flush-mounted installation in a wall box; it is powered via the KNX bus and requires no auxiliary power supply.

Main features

- LCD display with adjustable backlighting
- 4 capacitive buttons with adjustable backlighting for controlling thermostat functions
- Integrated temperature and relative humidity sensor
- 2 freely programmable inputs
- Connection to the bus via a KNX terminal
- KNX programming button on the right-hand side
- IP20 protection rating (when installed)

Technical data

- 30 Vdc power supply by KNX bus
- Current consumption from bus < 13 mA

Delivery

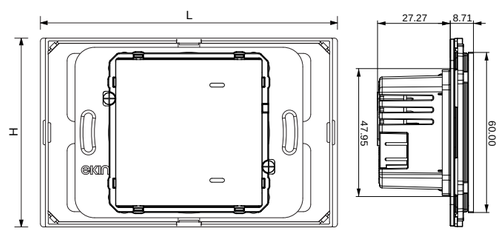
Delivery includes a terminal block for connection to the bus, two pairs of fixing screws.

Accessories

The following accessories are available to be ordered separately:

- rectangular frame (Form version)
- rectangular faceplate with a 60 x 60 mm window
- plastic adapter
- metal bracket for mounting on a rectangular junction box

Dimensions [mm]



Mounting with frame: 122 x 77 (L x H)
Mounting without frame ('NF): 120 x 80 (L x H)

Order information

Code	Version	Mounting
EK-EM2-TP-E	EASY	with rectangular frame (Form version), without frame ('NF' version)

Configuration and commissioning

By means of ETS5 software or later versions
Application program: **APEKEM2TPE##.knxprod**
(## = version, download from www.ekinex.com)

Documentation

For more information see the technical documentation, download from **www.ekinex.com**





CLIMA CLASSIC room thermostat

WALL-MOUNT DEVICES

Description

CLIMA Comfort control becomes an integral part of interior design. The CLIMA room thermostat combines aesthetics and technology to create a new control experience: intuitive for those who live in the space, sophisticated for those who design it.
CLIMA is used for the independent regulation of the temperature in a room or zone. In combination with one or more KNX actuators and/or KNX VRF/VRV interfaces, the thermostat is capable of controlling the heating or cooling output of a range of room-based heat exchange terminals such as radiators, fan coil units, underfloor and ceiling radiant panels, and indoor air conditioning units.
The device is equipped with an LCD display and touch buttons with adjustable backlighting, as well as a sensor for measuring room temperature and relative humidity. It allows comfort scheduling via multiple setpoints, making it particularly suitable for residential applications.
The device features an integrated KNX bus communication module and is designed for flush-mounted installation in a wall box; it is powered via the KNX bus and requires no auxiliary power supply.

Main features

- LCD display with adjustable backlighting
- 4 capacitive buttons with adjustable backlighting for controlling thermostat functions
- Integrated temperature and relative humidity sensor
- 2 freely programmable inputs
- Connection to the bus via a KNX terminal
- KNX programming button on the right-hand side
- IP20 protection rating (when installed)

Technical data

- 30 Vdc power supply by KNX bus
- Current consumption from bus < 13 mA

Delivery

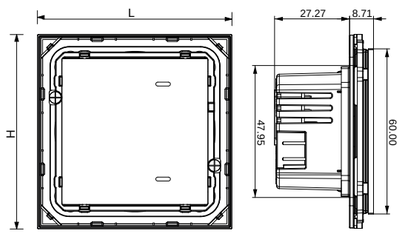
Delivery includes a terminal block for connection to the bus, two pairs of fixing screws.

Accessories

The following accessories are available to be ordered separately:

- square frame (Form version)
- square faceplate with a 60 x 60 mm window
- plastic adapter
- metal bracket for mounting on a round or square junction box (hole centre-to-centre distance 60 mm)

Dimensions [mm]



Mounting with frame: 81 x 77 (L x H)
Mounting without frame ('NF): 80 x 80 (L x H)

Order information

Code	Version	Mounting
EK-EM2-TP-F	CLASSIC	with square and double frame Form version, without frame ('NF version)

Configuration and commissioning

By means of ETS5 software or later versions
Application program: **APEKEM2TPE##.knxprod**
(## = version, download from www.ekinex.com)

Documentation

For more information see the technical documentation, download from **www.ekinex.com**





CLIMA CLASSIC room thermostat for rectangular wall-box 71 series

WALL-MOUNT DEVICES

Description

CLIMA Comfort control becomes an integral part of interior design. The CLIMA room thermostat combines aesthetics and technology to create a new control experience: intuitive for those who live in the space, sophisticated for those who design it.
CLIMA is used for the independent regulation of the temperature in a room or zone. In combination with one or more KNX actuators and/or KNX VRF/VRV interfaces, the thermostat is capable of controlling the heating or cooling output of a range of room-based heat exchange terminals such as radiators, fan coil units, underfloor and ceiling radiant panels, and indoor air conditioning units.
The device is equipped with an LCD display and touch buttons with adjustable backlighting, as well as a sensor for measuring room temperature and relative humidity. It allows comfort scheduling via multiple setpoints, making it particularly suitable for residential applications.
The device features an integrated KNX bus communication module and is designed for flush-mounted installation in a wall box; it is powered via the KNX bus and requires no auxiliary power supply.

Main features

- LCD display with adjustable backlighting
- 4 capacitive buttons with adjustable backlighting for controlling thermostat functions
- Integrated temperature and relative humidity sensor
- 2 freely programmable inputs
- Connection to the bus via a KNX terminal
- KNX programming button on the right-hand side
- IP20 protection rating (when installed)

Technical data

- 30 Vdc power supply by KNX bus
- Current consumption from bus < 13 mA

Delivery

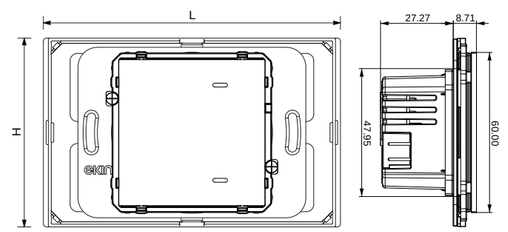
Delivery includes a terminal block for connection to the bus, two pairs of fixing screws.

Accessories

The following accessories are available to be ordered separately:

- rectangular frame (Form version)
- rectangular faceplate with a 60 x 60 mm window
- plastic adapter
- metal bracket for mounting on a rectangular junction box

Dimensions [mm]



Mounting with frame: 122 x 77 (L x H)
Mounting without frame ('NF): 120 x 80 (L x H)

Order information

Code	Version	Mounting
EK-EM2-TP-F	CLASSIC	with rectangular frame (Form version), without frame ('NF' version)

Configuration and commissioning

By means of ETS5 software or later versions
Application program: **APEKEM2TPE##.knxprod**
(## = version, download from www.ekinex.com)

Documentation

For more information see the technical documentation, download from **www.ekinex.com**



Room thermostat

WALL-MOUNT DEVICES
(PHASE OUT)

Description
The Ekinex® room temperature controller of 71 series regulates independently the temperature of a room or a zone. In combination with one or more KNX actuators, the room temperature controller is able to control the heating and cooling emission of a series of terminal units for the thermal exchange (such as radiators, fan-coils, floor and ceiling radiant panels, etc.). The device is provided with a LCD-Display with adjustable backlight, and a sensor for temperature measuring. The device integrates a KNX bus communication module and is intended for mounting onto a wall mounting box; it is powered by a SELV voltage directly from the KNX bus and does not require any auxiliary power supply.

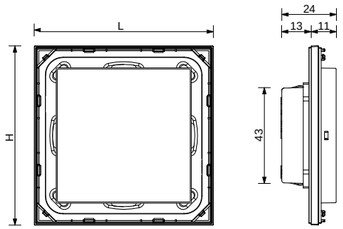
Main features
- LCD-Display with adjustable backlight
- 4 capacitive pushbuttons for controlling of the thermostat functions
- Integrated temperature sensor
- Plastic casing
- Connection to bus line with KNX terminal block
- Frontal programming pushbutton and LED
- Wall-mounting installation on round or square wall box
- IP20 protection degree (installed)
- Weight 90 g (with mounting support)

Technical data
- 30 Vdc power supply by KNX bus
- Current consumption from bus < 13 mA

Delivery
Delivery includes a terminal block for connection to the bus, two pairs of fixing screws.

Accessories
The following accessories are available to be ordered separately:
- square and double frame Form version
- square, double and triple plate with 60 x 60 mm window
- a plastic adapter
- a metal support for installation onto round or square mounting box (fixing holes 60 mm apart)

Dimensions [mm]



Mounting with frame: 81 x 77 (L x H)
Mounting without frame ('NF): 80 x 80 (L x H)

Order information

Code	Mounting
EK-E73-TP	with square and double frame Form version, without frame ('NF version)

Configuration and commissioning
By means of ETS5 software or later versions
Application program: **APEKE73TP##.knxprod**
(## = version, download from www.ekinex.com)

Documentation
For more information see the technical documentation, download from **www.ekinex.com**



Room thermostat for rectangular wall-box

WALL-MOUNT DEVICES
(PHASE OUT)

Description
The Ekinex® room temperature controller of 71 series regulates independently the temperature of a room or a zone. In combination with one or more KNX actuators, the room temperature controller is able to control the heating and cooling emission of a series of terminal units for the thermal exchange (such as radiators, fan-coils, floor and ceiling radiant panels, etc.). The device is provided with a LCD-Display with adjustable backlight, and a sensor for temperature measuring. The device integrates a KNX bus communication module and is intended for mounting onto a wall mounting box; it is powered by a SELV voltage directly from the KNX bus and does not require any auxiliary power supply.

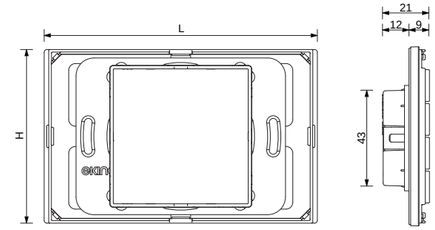
Main features
- LCD-Display with adjustable backlight
- 4 capacitive pushbuttons for controlling of thermostat functions
- Integrated temperature sensor
- Plastic casing
- Connection to bus line with KNX terminal block
- Frontal programming pushbutton and LED
- Wall-mounting installation on round,square or rectangular wall box
- IP20 protection degree (installed)
- Weight 120 g (with mounting support)

Technical data
- 30 Vdc power supply by KNX bus
- Current consumption from bus < 13 mA

Delivery
Delivery includes a terminal block for connection to the bus, two pairs of fixing screws.

Accessories
The following accessories are available to be ordered separately:
- rectangular frame Form version
- rectangular plate with 60 x 60 mm window
- a plastic adapter
- a metal support for installation onto round or square (fixing holes 60 mm apart) or rectangular (fixing holes 83,5 mm apart) mounting box

Dimensions [mm]



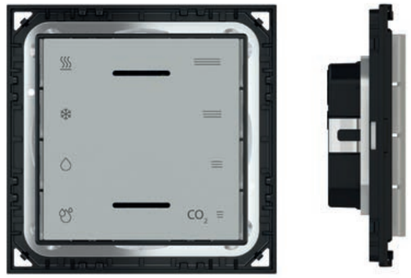
Mounting with frame: 122 x 77 (L x H)
Mounting without frame ('NF): 120 x 80 (L x H)

Order information

Code	Mounting
EK-E73-TP	with rectangular frame (Form version), without frame ('NF' version)

Configuration and commissioning
By means of ETS5 software or later versions
Application program: **APEKE73TP##.knxprod**
(## = version, download from www.ekinex.com)

Documentation
For more information see the technical documentation, download from **www.ekinex.com**



Multisensor quality air with regulator

WALL-MOUNT DEVICES

Description

The Ekinex® multisensor 71 series detects values of temperature, relative humidity and CO_2 equivalent concentration in an air mass. The device can act as a temperature regulator of a room or zone; it can also perform the regulation by thresholds of relative humidity and CO_2 concentration. The frontal LEDs indicate if the device is in heating, cooling, dehumidification or CO_2 threshold mode. The device integrates a KNX bus communication module and is intended for mounting onto a wall mounting box; it is supplied by a SELV voltage directly from the KNX bus and does not require any auxiliary power supply.

Main features

- Integrated temperature and relative humidity sensors
- Integrated VOCs (Volatile Organic Compounds) sensor with output signal for CO_2 equivalent
- Room thermostat function
- Threshold regulator function for relative humidity and CO_2
- LEDs for heating, cooling, dehumidification or CO_2 threshold mode indication
- Plastic casing
- Connection to bus line with KNX terminal block
- Frontal programming pushbutton and LED
- Wall-mounting installation on round or square wall box
- IP20 protection degree (installed)
- Weight 90 g (with mounting support)

Technical data

- 30 Vdc power supply by KNX bus
- Current consumption from bus < 13 mA

Delivery

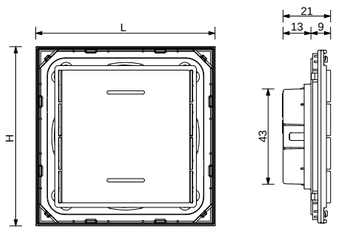
Delivery includes a terminal block for connection to the bus, two pairs of fixing screws.

Accessories

The following accessories are available to be ordered separately:

- 1 full front cover with 60 x 60 mm modularity
- square and double frame Form version
- square, double and triple plate with 60 x 60 mm window
- a plastic adapter
- a metal support for installation onto round or square mounting box (fixing holes 60 mm apart)

Dimensions [mm]



Mounting with frame: 81 x 77 (L x H)
Mounting without frame ('NF'): 80 x 80 (L x H)

Order information

Code	Mounting
EK-ET3-TP	with square and double frame Form version, without frame ('NF version)

Configuration and commissioning

By means of ETS5 software or later versions
Application program: **APEKET3TP##.knxprod**
(## = version, downloadable from www.ekinex.com)

Documentation

For more information see the technical documentation, download from **www.ekinex.com**



Multisensor quality air with regulator for rectangular wall-box

WALL-MOUNT DEVICES

Description

The Ekinex® multisensor 71 series detects values of temperature, relative humidity and CO_2 equivalent concentration in an air mass. The device can act as a temperature regulator of a room or zone; it can also perform the regulation by thresholds of relative humidity and CO_2 concentration. The frontal LEDs indicate if the device is in heating, cooling, dehumidification or CO_2 threshold mode. The device integrates a KNX bus communication module and is intended for mounting onto a wall mounting box; it is supplied by a SELV voltage directly from the KNX bus and does not require any auxiliary power supply.

Main features

- Integrated temperature and relative humidity sensors
- Integrated VOCs (Volatile Organic Compounds) sensor with output signal for CO_2 equivalent
- Room thermostat function
- Threshold regulator function for relative humidity and CO_2
- LEDs for heating, cooling, dehumidification or CO_2 threshold mode indication
- Plastic casing
- Connection to bus line with KNX terminal block
- Frontal programming pushbutton and LED
- Wall-mounting installation on round,square or rectangular wall box
- IP20 protection degree (installed)
- Weight 120 g (with mounting support)

Technical data

- 30 Vdc power supply by KNX bus
- Current consumption from bus < 13 mA

Delivery

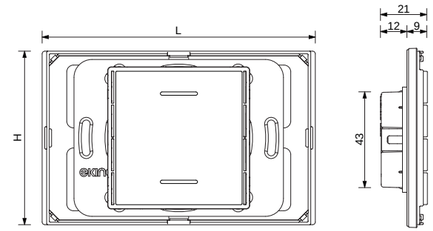
Delivery includes a terminal block for connection to the bus, two pairs of fixing screws

Accessories

The following accessories are available to be ordered separately:

- 1 full front cover with 60 x 60 mm modularity
- rectangular frame Form version
- rectangular plate with 60 x 60 mm window
- a plastic adapter
- a metal support for installation onto round or square (fixing holes 60 mm apart) or rectangular (fixing holes 83,5 mm apart) mounting box

Dimensions [mm]



Mounting with frame: 122 x 77 (L x H)
Mounting without frame ('NF): 120 x 80 (L x H)

Order information

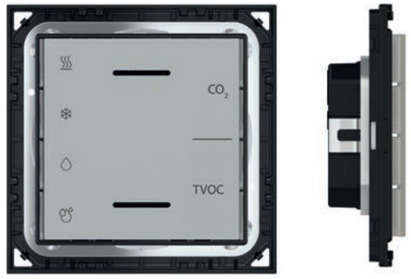
Code	Mounting
EK-ET3-TP	with rectangular frame (Form version), without frame ('NF' version)

Configuration and commissioning

By means of ETS5 software or later versions
Application program: **APEKET3TP##.knxprod**
(## = version, downloadable from www.ekinex.com)

Documentation

For more information see the technical documentation, download from **www.ekinex.com**



Multisensor with humidity, TVOC and CO_2 eq. regulator

WALL-MOUNT DEVICES

Description

The Ekinex® multisensor with controller is a KNX S-mode device for independent temperature control of a room or building area. The module includes 3 sensors: temperature, humidity percentage and air quality, expressed in terms of TVOC (Total Volatile Organic Compounds) or CO_2 equivalent. It can also function as a controller for these three quantities, valid for a single zone to be controlled. The front LEDs indicate the heating, cooling, dehumidification, humidification and TVOC or CO_2 threshold status. The pushbutton and the programming LED are located on the front in the area below the button. The device integrates a KNX bus communication module and is intended for mounting onto a wall mounting box: it is supplied by a SELV voltage directly from the KNX bus and does not require any auxiliary power supply.

Main features

- Integrated temperature and relative humidity sensors
- VOC (Volatile Organic Compounds) sensor with output signal for CO_2 equivalent and TVOC
- Room thermostat function
- Threshold regulator function for relative humidity, TVOC and CO_2
- Available an alarm signal on the CO_2 level also useful to obtain 1 LEED certification point
- Compatibility with Belimo actuators for the control of dampers in VAV boxes and 6-way valves
- Plastic casing
- Connection to bus line with KNX terminal block
- Frontal programming pushbutton and LED
- Wall-mounting installation on round or square wall box
- IP20 protection degree (installed)
- Weight 90 g (with mounting support)

Technical data

- 30 Vdc power supply by KNX bus
- Current consumption from bus < 13 mA
- Max. bus power < 390 mW

Delivery

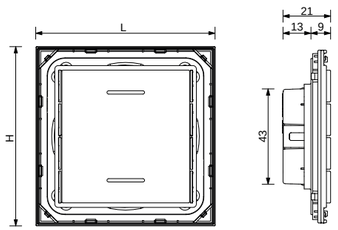
Delivery includes a terminal block for connection to the bus, two pairs of fixing screws.

Accessories

The following accessories are available to be ordered separately:

- 1 full front cover with 60 x 60 mm modularity
- square and double frame Form version
- square, double and triple plate with 60 x 60 mm window
- a plastic adapter
- a metal support for installation onto round or square mounting box (fixing holes 60 mm apart)

Dimensions [mm]



Mounting with frame: 81 x 77 (L x H)
Mounting without frame ('NF'): 80 x 80 (L x H)

Order information

Code	Mounting
EK-ES3-TP	with square and double frame Form version, without frame ('NF version)

Configuration and commissioning

By means of ETS5 software or later versions
Application program: **APEKES3TP##.knxprod**
(## = version, downloadable from www.ekinex.com)

Documentation

For more information see the technical documentation, download from **www.ekinex.com**



Multisensor with humidity, TVOC and CO_2 eq. regulator for rectangular wall-box

WALL-MOUNT DEVICES

Description

The Ekinex® multisensor with controller is a KNX S-mode device for independent temperature control of a room or building area. The module includes 3 sensors: temperature, humidity percentage and air quality, expressed in terms of TVOC (Total Volatile Organic Compounds) or CO_2 equivalent. It can also function as a controller for these three quantities, valid for a single zone to be controlled. The front LEDs indicate the heating, cooling, dehumidification, humidification and TVOC or CO_2 threshold status. The pushbutton and the programming LED are located on the front in the area below the button. The device integrates a KNX bus communication module and is intended for mounting onto a wall mounting box: it is supplied by a SELV voltage directly from the KNX bus and does not require any auxiliary power supply.

Main features

- Integrated temperature and relative humidity sensors
- VOC (Volatile Organic Compounds) sensor with output signal for CO_2 equivalent and TVOC
- Room thermostat function
- Threshold regulator function for relative humidity, TVOC and CO_2
- Available an alarm signal on the CO_2 level also useful to obtain 1 LEED certification point
- Compatibility with Belimo actuators for the control of dampers in VAV boxes and 6-way valves
- Plastic casing
- Connection to bus line with KNX terminal block
- Frontal programming pushbutton and LED
- Wall-mounting installation on round,square or rectangular wall box
- IP20 protection degree (installed)
- Weight 120 g (with mounting support)

Technical data

- 30 Vdc power supply by KNX bus
- Current consumption from bus < 13 mA
- Max. bus power < 390 mW

Delivery

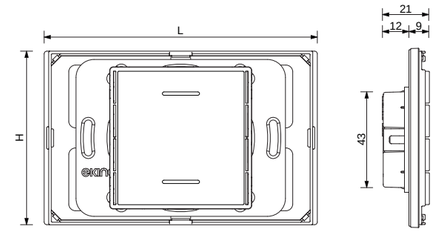
Delivery includes a terminal block for connection to the bus, two pairs of fixing screws.

Accessories

The following accessories are available to be ordered separately:

- 1 full front cover with 60 x 60 mm modularity
- rectangular frame Form version
- rectangular plate with 60 x 60 mm window
- a plastic adapter
- a metal support for installation onto round or square (fixing holes 60 mm apart) or rectangular (fixing holes 83,5 mm apart) mounting box

Dimensions [mm]



Mounting with frame: 122 x 77 (L x H)
Mounting without frame ('NF): 120 x 80 (L x H)

Order information

Code	Mounting
EK-ES3-TP	with rectangular frame (Form version), without frame ('NF' version)

Configuration and commissioning

By means of ETS5 software or later versions
Application program: **APEKES3TP##.knxprod**
(## = version, downloadable from www.ekinex.com)

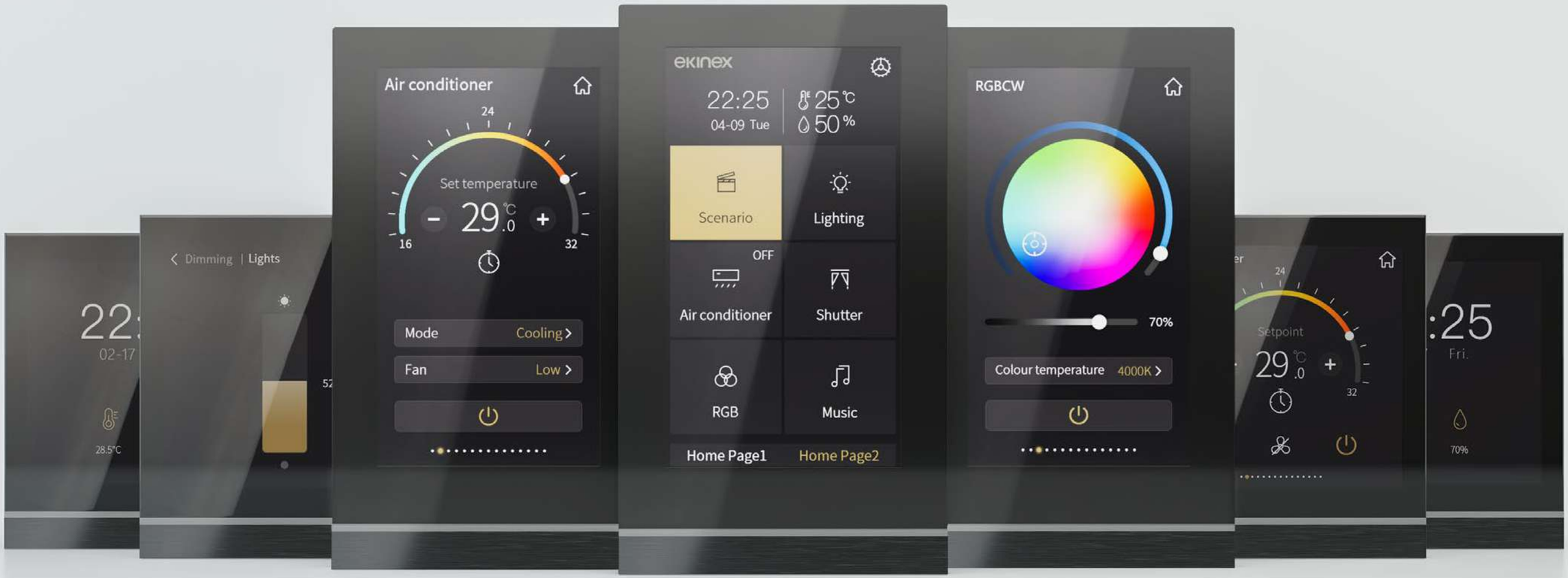
Documentation

For more information see the technical documentation, download from **www.ekinex.com**



TOUCH&CONTROL

WALL-MOUNT DEVICES



Touch&Control

WALL-MOUNT DEVICES

Designed to integrate into any building. Touch&Control is the new KNX capacitive touch-screen with compact dimensions but great performance.
The 4'' or 5" colour IPS display is a perfect combination of design and technology.



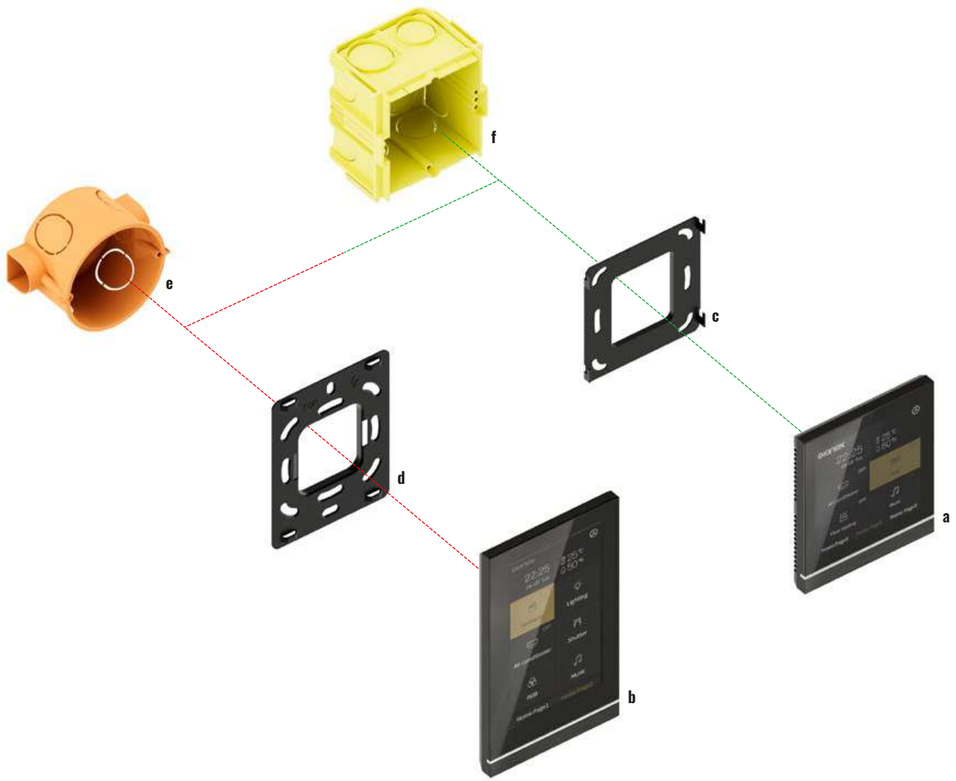


86 x 148,8 x 11,5 mm (32,5 mm)





86 x 102 x 10,5 mm (34 mm)

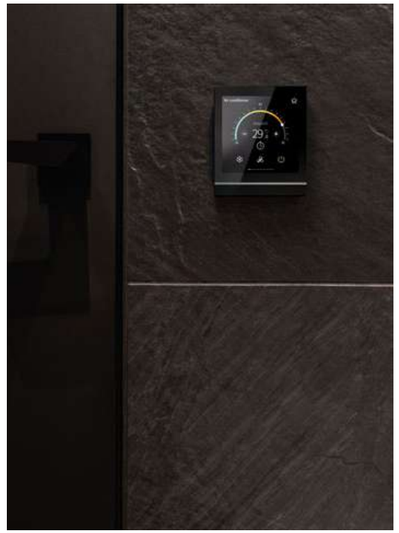


Touch&Control

Description	Code
a) Touch&Control 4"	EK-EI2-TP-4 - EK-EI2-TP-4-W
b) Touch&Control 5"	EK-EI2-TP-5 - EK-EI2-TP-5-W
c) Mounting support 4" (included in delivery)	
d) Mounting support 5" (included in delivery)	
e) Round flush-mounting box	not delivered by Ekinex®
f) Square flush-mounting box	not delivered by Ekinex®

Touch&Control

WALL-MOUNT DEVICES





Touch & Control is a touch display device designed for independent temperature control and control of KNX devices in a building.



The Ekinex® Touch&Control is a KNX S-mode device designed for the independent temperature control of a room or a zone of a building. It is available in two versions, differing in the size of the touch display: EK-EI2-TP-4 with a 4" display and EK-EI2-TP-5 with a 5" display, the latter offering a larger viewing area for improved readability of information and a greater number of control icons displayed at the same time.

Both versions allow the user to view the status of and control a variety of KNX devices by touching the icons on the touch display interface to execute the preset function: thermostat, ON/OFF switching of loads, scene sending, control of motorised drives for shading systems (such as roller shutters, curtains, venetian blinds or awnings), switching and dimming of lighting fixtures, logic functions and other functions via bus.

The device is intended primarily for use in home and building control systems. Wall installation is provided for, with mounting in conventional junction boxes as indicated in the Ekinex® planner (available at https://planner.ekinex.com/). The product is suitable not only for the European standard, but also for the Chinese and American ones. It is powered by the KNX bus and requires an auxiliary 24-30 Vdc power supply. Physical addressing and parameter configuration can be carried out using the ETS KNX software (from version 5.7 onwards) with .knxprod parameterisation files.





Touch&Control 4”

WALL-MOUNT DEVICES

Description

Designed to integrate into any building, the KNX Touch&Control 4” display is a perfect combination of design and technology. The display provides users with a wide range of KNX functions allowing control of one or more rooms. The device is equipped with an LED that can be used for night orientation or to inform users of any alarms, which in combination with the integrated proximity sensor allows the screen to be switched on or off automatically. A dedicated widget is available for each type of automation: lights, dimmers, RGB, RGBW, blinds, audio solutions, air conditioning, air quality and 4 temperature control zones are just some of the functions integrated in this display.

Main features

- Control and dimming functions for luminaires, motorised shutter control
- Room thermostat function for 4 independent zones
- Control of room temperature, air conditioning, underfloor heating and ventilation system
- Control of audio functions
- RGB, RGBW, RGBCW brightness control and colour temperature setting
- Air quality display, with PM2.5, AQI, CO2, VOC etc.
- Display of energy measurement parameters: current, voltage, power, energy.
- 8 time functions, 8 scene group functions
- 8 logic functions, with AND, OR, XOR, logic port forwarding, threshold comparator, format conversion
- Delay and staircase light function
- Integrated proximity sensor, screen brightness setting, indication with coloured LED strip
- Haptic feedback with vibration
- Date and time display, temperature and humidity display, day/night status output
- Password protection, screen saver and panel lock
- Alarm function

Order information

Code	Mounting	Version
EK-EI2-TP-4	without frame	black
EK-EI2-TP-4-W		white

- Integrated temperature sensor
- Weekly timer
- Dimensions (WxHxD): 86 x 102 x 10,5 mm (34 mm)
- Weight: 200 g

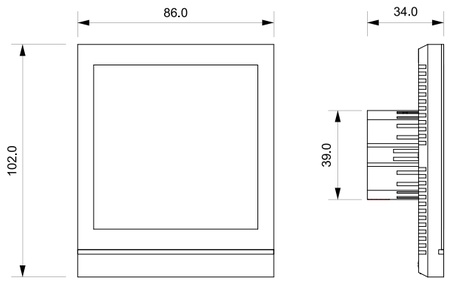
Technical data

- Power supply 21-30 Vdc via KNX bus and current consumption 4mA@30Vdc
- SELV auxiliary power supply 12-30 Vdc and current consumption < 71mA@30Vdc
- 4” colour IPS capacitive touch screen, resolution 480 x 480 px
- Proximity sensor activation distance: approx. 30 cm

Delivery

The supply includes two terminals for connection to the bus line and auxiliary power supply.

Dimensioni [mm]



Documentation

For more information see the technical documentation, download from **www.ekinex.com**

Configuration and commissioning

By means of ETS5 software or later versions
Application program: **APEKEI2TP##.knxprod**
(## = version, downloadable from www.ekinex.com)





Touch&Control 5”

WALL-MOUNT DEVICES

Description

Designed to blend into any building, the 5” KNX Touch&Control display is a perfect combination of design and technology. The display offers users a wide range of KNX functions that allow them to control one or more rooms. The device is fitted with an LED that can be used for night-time orientation or to alert users to any alarms; combined with the integrated proximity sensor, this allows the screen to be switched on or off automatically. A dedicated widget is available for every type of automation: lights, dimmers, RGB, RGBW, roller shutters, audio systems, air conditioning, air quality and 8 temperature control zones are just some of the functions integrated into this display.

Main features

- Control and dimming functions for luminaires, motorised shutter control
- Room thermostat function for 4 independent zones
- Control of room temperature, air conditioning, underfloor heating and ventilation system
- Control of audio functions
- RGB, RGBW, RGBCW brightness control and colour temperature setting
- Air quality display, with PM2.5, AQI, CO2, VOC etc.
- Display of energy measurement parameters: current, voltage, power, energy
- 8 time functions, 8 scene group functions
- 8 logic functions, with AND, OR, XOR, logic port forwarding, threshold comparator, format conversion
- Delay and staircase light function
- Integrated proximity sensor, screen brightness setting, indication with coloured LED strip
- Haptic feedback with vibration
- Date and time display, temperature and humidity display, day/night status output
- Password protection, screen saver and panel lock
- Alarm function

Order information

Code	Mounting	Version
EK-EI2-TP-5	without frame	black
EK-EI2-TP-5-W		white

- Integrated temperature sensor
- Weekly timer
- Dimensions (WxHxD): 86 x 148,8 x 11,5 mm (32,5 mm)
- Weight: 239 g

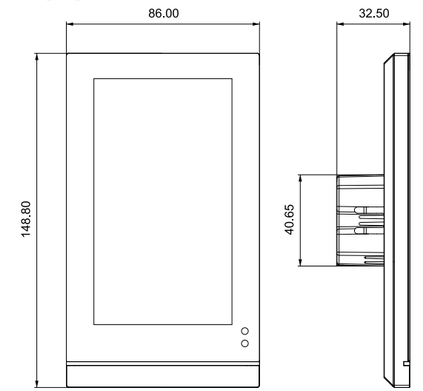
Technical data

- Power supply 21-30 Vdc via KNX bus and current consumption 4mA@30Vdc
- SELV auxiliary power supply 12-30 Vdc and current consumption < 71mA@30Vdc
- 4” colour IPS capacitive touch screen, resolution 480 x 854 px
- Proximity sensor activation distance: approx. 30 cm

Delivery

The supply includes two terminals for connection to the bus line and auxiliary power supply.

Dimensioni [mm]



Documentation

For more information see the technical documentation, download from **www.ekinex.com**

Configuration and commissioning

By means of ETS5 software or later versions
Application program: **APEKEI2TP##.knxprod**
(## = version, downloadable from www.ekinex.com)

HOTEL SOLUTIONS

WALL-MOUNT DEVICES

Accédo Key	154
KNX Secure card reader	155
KNX Secure card holder	156
Room licences for Delégo Server	157
Smart-card	157





Soluzioni per l'Hospitality

WALL-MOUNT DEVICES

The hospitality industry is rapidly evolving, with growing demand for modern, smart guest experiences, operational efficiency and sustainable energy management.
Whether you are a large international hotel chain, a luxury resort, a boutique hotel or a small B&B, Ekinex offers a complete, seamlessly integrated automation solution that can grow with your business.

Available colour solutions

	Form	Flank	'NF	Deep	Surface	Accédo Key Card reader Card holder
	Frame		Plate			
Technopolymer	•	•	•	•	–	–
Metal	•	•	•	•	•	–
Metal HT	–	–	–	•	•	–
Fenix NTM®	–	–	•	•	•	–

For more information see page 263





86 x 86 x 8 mm
Form



94 x 86 x 8 mm
Flank



80 x 80 x 8 mm
'NF



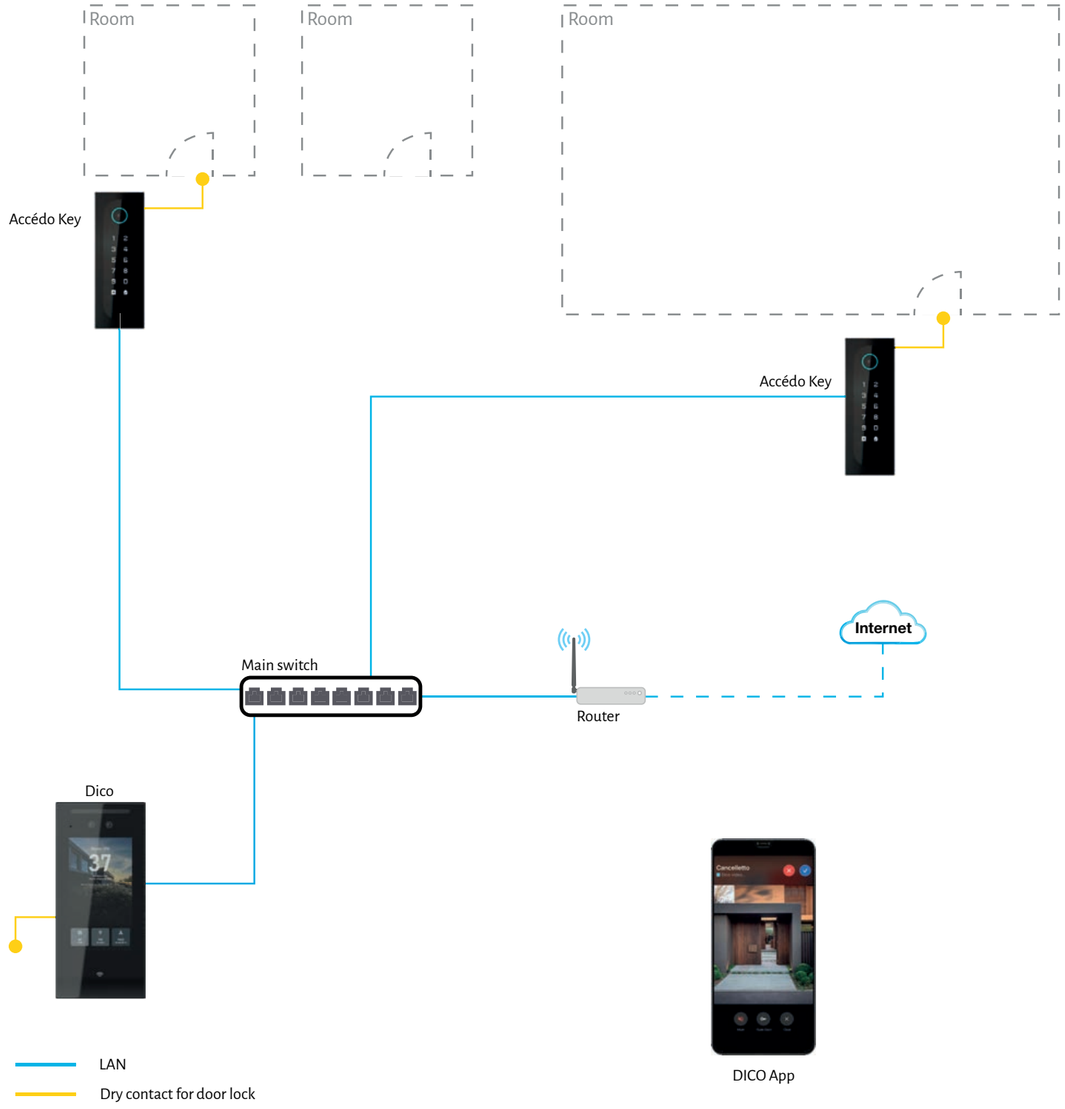
86 x 86 x 9 mm
Deep



98 x 98 x 3 mm
Surface

Standalone solution for access control

Stand-alone solution for access control in private homes and small businesses.



DICO App

Suggested applications



Residential



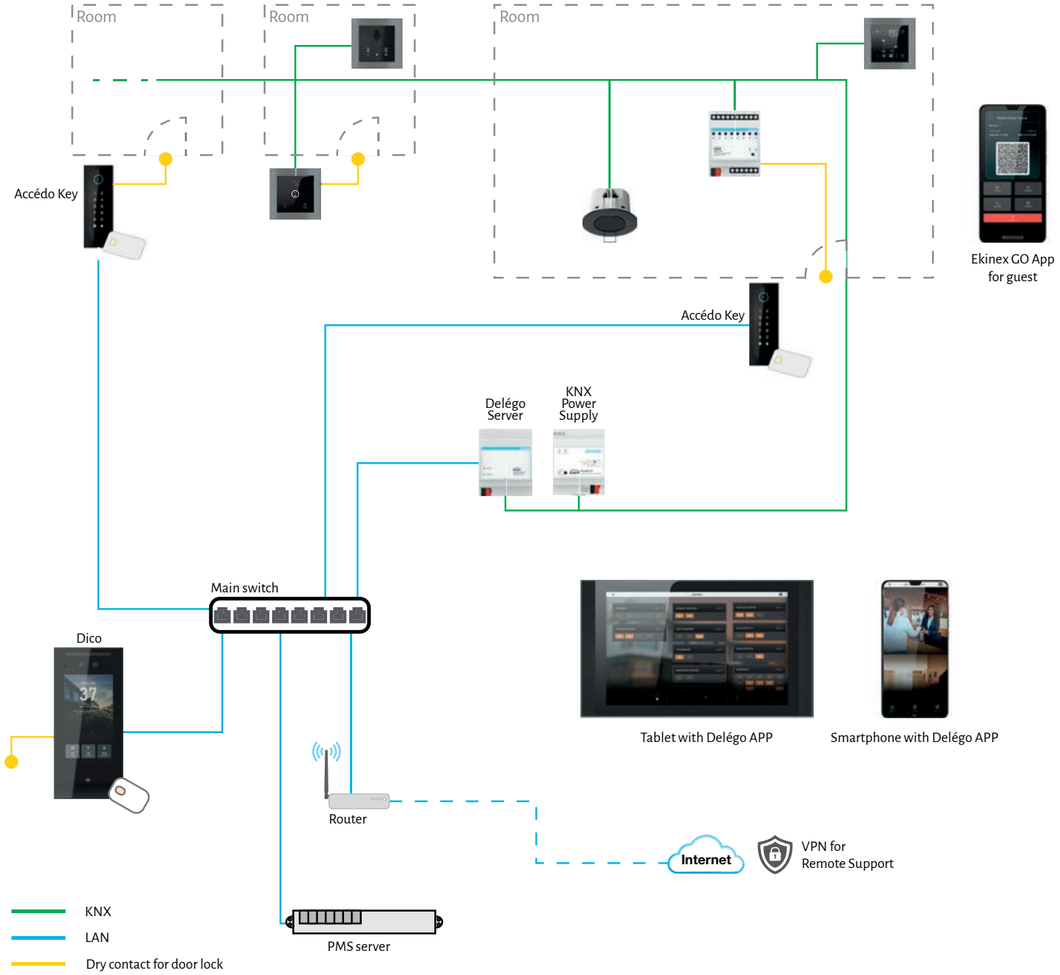
Retail
& Offices

Main features

FEATURES	FUNCTIONS	ACCESS TECHNOLOGIES	PRDODUCTS	APP & SOFTWARE
Standalone system, no external controller required	Access control	QR CODE	**EK-CLD-VI:** Cloud licence for apartments	**Dico App for owners**
Ideal for residential projects and small shops	Video door entry system (only with Dico)	PIN CODE	 **EK-ACC-KEY-IP** Accédo Key - IP access control reader	
Easy to install			 **EK-5DP-VI** Dico - IP Door Phone	
Multiple access technologies				
Configuration and management with the Dico app				
Ekinex Cloud connection				

Delégo solution for access control

Delégo Server with integrated Accédo module, the perfect solution for small and medium-sized B&Bs and hotels.



Suggested applications


Residential


Offices e Retail


Bed & Breakfast


Boutique Hotel


Medium Hotels

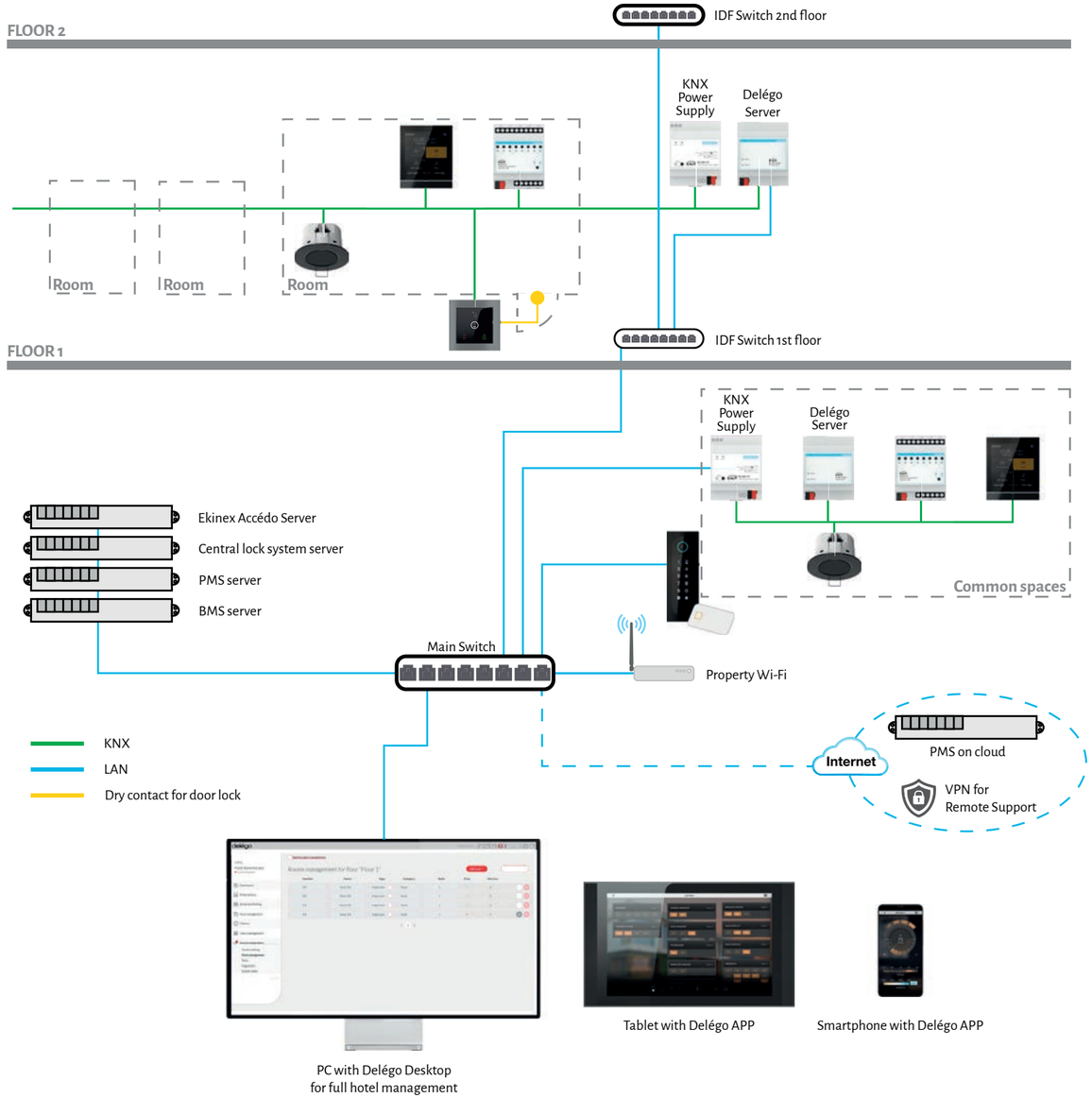

Office Buildings

Main features

FEATURES	FUNCTIONS	ACCESS TECHNOLOGIES	PRDODUCTS	APP & SOFTWARE
All configuration and management by Delégo	Access control	QR CODE	**EK-ACC -R08:** Delégo upgrade (4 rooms)	**Dico App for owners**
Ideal for small and medium-sized projects (up to 100 rooms)	Lighting, temperature, shading and scene control	PIN CODE	**EK-ACC -R12:** Delégo upgrade (12 rooms)	**Ekinex GO App for guests**
Access control and building automation all in one	Virtual presence detection	RFID CARD	**EK-ACC -R20:** Delégo upgrade (20 rooms)	
Multiple access technologies	PMS integration	GUEST APP	**EK-ACC -R50:** Delégo upgrade (50 rooms)	
Ekinex GO App for guests	Energy monitoring		**EK-ACC -R100:** Delégo upgrade (100 rooms)	
Local or remote management	Notifications		**EK-ACC-PMS01** PMS integration licence	
			EK-DEL-SRV01 **EK-DEL-SRV01-M** Delégo Server / Delégo Server mini	
			EK-T02-TP-_ Card reader RFID KNX	
			EK-TI2-TP-_ Card holder RFID KNX	
			EK-ACC-KEY-IP Accédo Key - IP access control reader	
			EK-5DP-VI Dico - IP Door Phone	

Delégo Suite access control solution

The combination of the Delégo server and Accédo software is the perfect solution for large hotels and resorts with comprehensive optional extras.



PC with Delégo Desktop for full hotel management

Tablet with Delégo APP

Smartphone with Delégo APP

Suggested applications



Boutique Hotel



Medium Hotels



Large Hotels



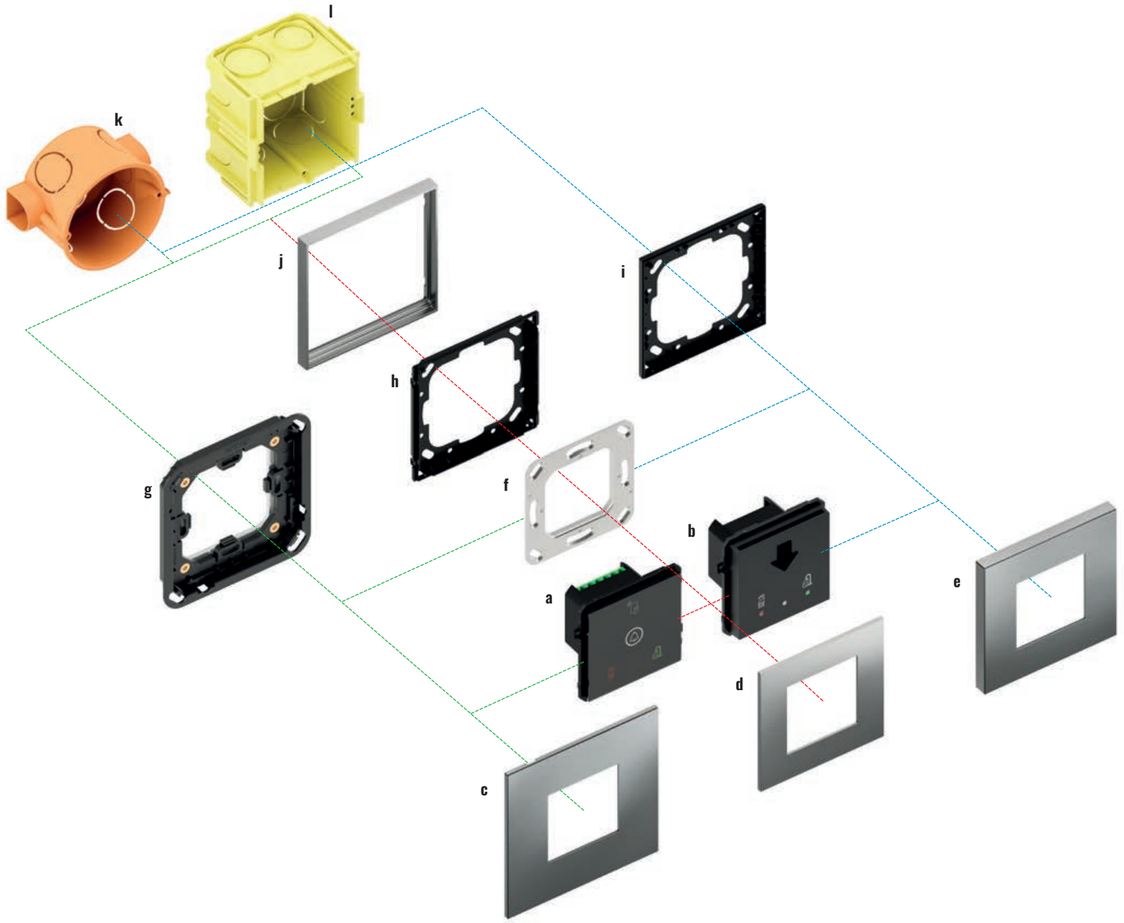
Hotel Chains



Resort & Multi Building

Main features

FEATURES	FUNCTIONS	ACCESS TECHNOLOGIES	PRDODUCTS	APP & SOFTWARE
All configuration and management from DelégoApp	Access control	QR CODE	**EK-ACC-50:** Delégo upgrade (50 rooms)	**Delégo Dektop Suite per proprietari**
Access for guests	Lighting, temperature, shading and scene control	PIN CODE	**EK-ACC-100:** Delégo upgrade (100 rooms)	**Accédo Software for owners**
Local and remote management	PMS integration	RFID CARD	**EK-ACC-200:** Delégo upgrade (200 rooms)	**Ekinex GO App for guests**
Access control and building automation all in one	Notifications	GUEST APP	**EK-ACC-500:** Delégo upgrade (500 rooms)	
Multiple access technologies	Virtual presence detection		**EK-ACC-PMS01** PMS integration licence	
	Energy monitoring		**EK-DEL-SRV01** **EK-DEL-SRV01-M** Delégo Server / Delégo Server mini	
			EK-T02-TP-_ Card reader RFID KNX	
			EK-TI2-TP-_ Card holder RFID KNX	
			EK-ACC-KEY-IP Accédo Key - IP access control reader	
			EK-5DP-VI Dico - IP Door Phone	



Access control

Description	Code
a) Card reader	EK-TO2-TP-B / EK-TO2-TP-W
b) Card holder	EK-TI2-TP-B / EK-TI2-TP-W
c) Square plate Surface version*	EK-SQG-...
d) Square plate*	EK-PQG-...
e) Square plate Deep version*	EK-DQG-...
f) Adapter for card holder and card reader	EK-SP-TX2
g) Adapter for Surface square plate	EK-TAS-Q-W or EK-TAS-Q-N

Description	Code
h) Adapter for square plate	EK-TAQE-1
i) Adapter for 'NF and Deep square plate	EK-TAQE-1-NF
j) Square frame of Form version	EK-FOQ-...
k) Round flush-mounting box	not delivered by Ekinex®
l) Square flush-mounting box	not delivered by Ekinex®
*) 45 x 45 mm window	

Hospitality solution

WALL-MOUNT DEVICES



With Ekinex, hotels can centralise control of lighting, air conditioning, audio and access management, ensuring that every space operates at peak performance, efficiency and comfort.

The hospitality industry is rapidly evolving, with growing demand for modern, smart guest experiences, operational efficiency and sustainable energy management. Whether you are a large international hotel chain, a luxury resort, a boutique hotel or a small B&B, Ekinex offers a complete and seamlessly integrated automation solution that can grow with your business.
With a centralised platform for managing access control, lighting, climate, curtains, audio and energy management, our solution ensures uninterrupted operation and an enhanced guest experience.

Different spaces within a facility require different levels of control. The Ekinex solution for hospitality, based on KNX and Delégo Suite, seamlessly integrates all areas of a hotel into a single platform.
This unified system simplifies property management, enhances the guest experience and optimises energy efficiency in all spaces, from guest rooms to public areas and staff facilities. With Ekinex, hotels can centralise control of lighting, climate, shading, audio and access management, ensuring that every space operates at peak performance, energy efficiency and comfort.





Accédo Key

HOSPITALITY SOLUTION

Description

EK-ACC-KEY-IP is a slim access control terminal that combines a door controller and a card reader in a single device, offering significant cost savings for building managers. It offers flexible access technologies, including PIN code, QR scanning and RFID cards, all in one device.

Ekinex Accèdo Key has a built-in controller and a single LAN cable is all you need for connection and power (PoE). In its simplest configuration, it can operate in stand-alone mode, but it can also be integrated into a complete solution with Delego Server as the manager of the entire access control system.

Technical data

- Power supply: PoE and/or 12 Vdc 1 A connector
- PoE: 802.3af (Class 0–12.95 W)

Interfaces

- Ethernet port (LAN): RJ45, adaptive 10/100Mbps
- Recommended cable: Cat-5e or higher
- Output power: 12V@ 600mA
- Relay output: 1 relay / Inputs: 2 inputs
- Wiegand: supported supportato

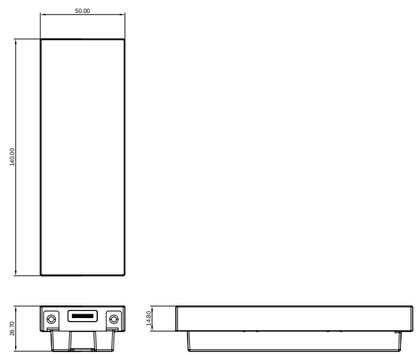
Main features

- RS485 port: for safety relay EK-SR1-VI
- Tamper alarm: supported/
- Audio: 8Ω / 0.5W
- Supported protocols: IPv4, HTTP, HTTPS, FTP, DNS, NTP, TCP, UDP, ICMP, DHCP, ARP
- Aluminium alloy chassis with tempered glass / IP65 and IK09 ratings
- Capacity of 20,000 cards and 100,000 event logs
- Multiple access methods: QR code, Bluetooth, PIN, RFID
- Flush and surface mounting.
- Front panel: tempered glass / Frame: black aluminium
- Operating temperature: -20 °C to +55 °C
- Storage temperature: -30 °C to +70 °C
- Operating relative humidity: 10% ~ 90% (non-condensing)
- Dimensions Accédo Key (W x H x D): 50 x 140 x 14 mm
- Supported frequencies for RFID card reader: 125 kHz and 13.56 MHz
- Keypad with capacitive touch technology
- Displays: backlit numbers, acoustic response to each touch of the keypad
- QR code reader with stand-alone operation only when connected to the cloud with the Dico app; local (and remote) operation in combination with Delègo server
- Flush mount installation (with optional flush mount box code EK-ACC-KEY-IW) or wall mounting

Delivery

- Access control terminal (Accédo key)
- Wiring cover / Installation screws
- Rubber plugs for cable fixing
- Ethernet cable and connector / 8-pin flat cable
- Diode

Dimensions [mm]



Order information

Code	Mounting	Package
EK-ACC-KEY-IP	Flush and surface mounting	1 pcs.

Configuration and commissioning

Accédo module for managing room access control, booking administration, and a quick and easy interface for registering guests and creating RFID keys.

Documentation

For more information see the technical documentation, download from **www.ekinex.com**



KNX SECURE card reader

HOSPITALITY SOLUTION

Description

The EK-TO2-TP card reader allows cards to be read simply by bringing them close to the device, up to a maximum distance of 20 mm, enabling access based on the configured authorisations. Equipped with a backlit display and an integrated KNX bus communication module, the device combines reliable performance with a refined design. It is powered by SELV voltage via KNX bus and requires an auxiliary power supply of 12–24 Vac or 12–32 Vdc. Available in white or black, it is compatible with the Form, Flank, 'NF, Deep and Surface versions with a 60 mm window, for perfect aesthetic integration into any environment.

Technical data

- 30 Vdc power supply via KNX bus
- Auxiliary power supply 12-24 Vac or 12/32 Vdc
- Card reader with MIFARE 13.56 MHz RFID technology

Main features

- Backlit display with DND symbols (Do Not Disturb, Red LED),
- MUR (Make Up Room, GREEN LED), RFID (not backlit), RGB LED for general functions, doorbell button with White LED
- Presence detection via bus and communication to supervisory system via KNX TP (twisted pair) bus
- KNX Secure protocol
- Accommodation guest management based on reservation and period check-in/check-out period; service user management based on time slot and pass-partout
- Programmable output based on card validation or as actuator activated by KNX telegrams. Delay on card withdrawal configurable for courtesy light management
- Two digital inputs available for connection of conventional push button (with switching, dimming or roller shutter/awning function) or contact signalling contact (e.g. window opening)
- Symbols DND (Do Not Disturb, Red LED), MUR (Make Up Room, GREEN LED), RFID (not backlit), RGB LED for general functions, doorbell button with White LED
- Technopolymer housing
- Connection to bus line via KNX terminal
- Recessed wall mounting on round box
- Degree of protection IP20 (installed)
- Weight approx. 50 g (with mounting bracket

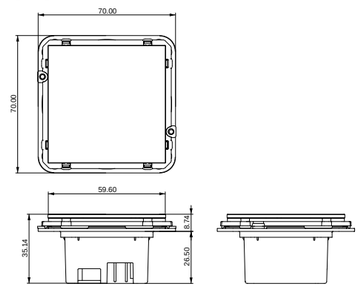
Delivery

The scope of delivery includes a terminal for connection to the bus line, a plastic bracket for mounting on a round or square box (hole spacing 60 mm) and two pairs of screws.

Accessories

- smart-card EK-TCW-10 (pack of 10 cards) or EK-TCC-10-.. (customised with customer logo, on request)
- square frame Form version
- square plate with 60 x 60 mm window
- plastic adapter

Dimensions [mm]



Order information

Code	Mounting	Colore	Package
EK-TO2-TP-B	placca con finestra da 60x60 mm (in plastica, alluminio o fenix NTM®)	Black	1 pcs.
	cornice opzionale versione Form o Flank (in plastica o alluminio)		
EK-TO2-TP-W	placca con finestra da 60x60 mm (in plastica, alluminio o fenix NTM®)	White	
	cornice opzionale versione Form o Flank (in plastica o alluminio)		

Configuration and commissioning

Accédo module for managing room access control, booking administration, and a quick and easy interface for registering guests and creating RFID keys.

Documentation

For more information see the technical documentation, download from **www.ekinex.com**



KNX SECURE card holder

HOSPITALITY SOLUTION

Description

The EK-TI2-TP card holder is designed to enable access after inserting a transponder card into a slot at the top of the device. It is powered by SELV voltage via KNX bus and requires an auxiliary power supply of 12–24 Vac or 12–32 Vdc. Available in white or black, it is compatible with the Form, Flank, 'NF, Deep and Surface versions with a 60 mm window, for perfect aesthetic integration in any environment.

Main features

- Signalling LED
  DND signalling with red LED and screen printing
  MUR signalling with green LED and screen printing
  Freely programmable generic signalling with RGB LED
- RFID card reader
- Loaded contacts
- Aux OUT contact
- Input for external DND button
- Input for external MUR button
- KNX Secure protocol
- Plastic housing
- Connection to bus line via KNX terminal
- Flush-mounted installation in round/square box
- IP20 protection rating (installed)
- Climate classification 3K5 (indoor use, dry) and mechanical classification 3M2 (according to EN50491-2)
- Dimensions: 80 x 80 x 41 mm
- Weight approx. 50 g (with mounting bracket)

Technical data

- 13.56 MHz RFID card reader
- 2 relay outputs (5A)
- 2 inputs for potential-free contacts
- 21-30 Vdc power supply via KNX bus
- 12-30 Vdc SELV auxiliary power supply and 20mA@30Vdc current consumption
- 1 red LED, 1 green LED, 1 RGB LED
- KNX Data Secure protocol support

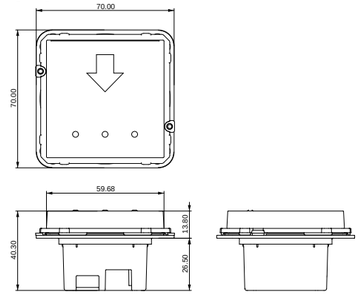
Delivery

The scope of delivery includes a terminal for connection to the bus line, a plastic bracket for mounting on a round or square box (hole spacing 60 mm) and two pairs of screws.

Accessories

- smart-card EK-TCW-10 (pack of 10 cards) or EK-TCC-10-.. (customised with customer logo, on request)
- square frame Form version
- square plate with 60 x 60 mm window
- plastic adapter

Dimensions [mm]



Order information

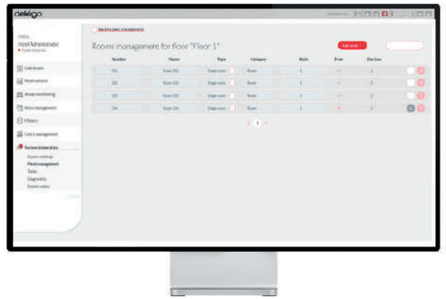
Code	Montaggio	Colore	Package
EK-TI2-TP-B	placca con finestra da 60x60 mm (in plastica, alluminio o fenix NTM®)	Nero	1 pcs.
	cornice opzionale versione Form o Flank (in plastica o alluminio)		
EK-TI2-TP-W	placca con finestra da 60x60 mm (in plastica, alluminio o fenix NTM®)	Bianco	
	cornice opzionale versione Form o Flank (in plastica o alluminio)		

Configurazione e messa in servizio

Modulo Accédo per la gestione del controllo degli accessi alle camere, amministrazione delle prenotazioni, interfaccia facile e veloce per registrare gli ospiti e creare chiavi RFID.

Documentazione

Per maggiori informazioni consultare la documentazione tecnica, download da **www.ekinex.com**



Room licence for Delégo Server

HOSPITALITY SOLUTION

Description

Different spaces in a hotel require different levels of control. The Ekinex hospitality solution, based on KNX and Delégo Suite, perfectly integrates all areas of a hotel into one platform. By unifying room automation, access control, energy management and system integrations, Ekinex offers a smarter and more efficient way to manage hotels of all sizes.

Requirements

- Delégo Server EK-DEL-SRV01 or Delégo Server Mini EK-DEL-SRV01 can be ordered separately

Order information

Code	Composition
EK-ACC-R08	Licence 8 rooms for Delégo
EK-ACC-R12	Licence 12 rooms for Delégo
EK-ACC-R20	Licence 20 rooms for Delégo
EK-ACC-R50	Licence 50 rooms for Delégo
EK-ACC-R100	Licence 100 rooms for Delégo
EK-ACC-PMS01	PMS integration licence

Documentation

For more information see the technical documentation, download from **www.ekinex.com**

Smart-card

SOLUZIONI PER L'HOSPITALITY

Description

Smart cards with RFID technology for use with the EK-TO2-TP reader and the EK-TI2-TP card holder pocket for controlled access to premises and for presence detection in accommodation and hospitality facilities (hotels, residences, guesthouses or bed & breakfasts).

Main features

- Technopolymer material, standard dimensions 85 x 54 x 1 mm (W x H x D)
- Maximum non-contact recognition distance: 3-5 cm

Order information

Code	Customization	Package
EK-TCW-10	White Mifare 1K Transponder Card	10 pcs.
BE-TCC-100-G-P...	Customised Glossy Mifare 1K Transponder Card	100 pcs.
BE-TCC-100-M-P...	Customised Matt Mifare 1K Transponder Card	100 pcs.
BE-TCC-100-MT-P...	Customised Rough Matt Mifare 1K Transponder Card	100 pcs.
BE-TCC-250-G-P...	Customised Glossy Mifare 1K Transponder Card	250 pcs.
BE-TCC-250-M-P...	Customised Matt Mifare 1K Transponder Card	250 pcs.
BE-TCC-250-MT-P...	Customised Rough Matt Transponder Card Mifare 1K	250 pcs.
BE-TCC-500-G-P...	Customised Glossy Transponder Card Mifare 1K	500 pcs.
BE-TCC-500-M-P...	Customised Matt Transponder Card Mifare 1K	500 pcs.
BE-TCC-500-MT-P...	Customised Rough Matt Transponder Card Mifare 1K	500 pcs.

Documentazione

Per maggiori informazioni consultare la documentazione tecnica, download da **www.ekinex.com**

SENSORS

WALL-MOUNT DEVICES

KNX Secure multi-function movement sensor	161
KNX Secure multifunctional presence sensor	162
Motion sensor for outdoor mounting	163

Sensors

WALL-MOUNT DEVICES



Motion sensors complete with frames Form, Flank or in the' 'NF, Deep and Surface versions for aesthetics coordinated to the Ekinex® pushbuttons.



Ekinex presence and motion sensors are advanced devices designed to automate the control of bus functions, such as lighting and air conditioning in rooms.

KNX Secure multifunction PIR presence sensor

This sensor uses passive infrared (PIR) technology to detect normal and small movements and is equipped with an adjustable lens for optimal coverage. It incorporates sensors for measuring ambient brightness, temperature and air humidity, allowing integrated and precise control of systems. It offers up to four output channels and supports both automatic and semi-automatic modes. It is also compatible with the KNX Data Secure security protocol, ensuring secure communication within the home automation system.

KNX Secure multifunction real presence sensor

This sensor uses 24 GHz microwave technology to detect the actual presence of individuals in rooms, proving highly sensitive even to micro-movements. It is particularly suitable for environments such as hotel rooms, offices and other spaces where people tend to remain sedentary. Similar to the PIR model, it integrates brightness, temperature and humidity sensors, offering up to four output channels and supporting both automatic and semi-automatic modes. This device also complies with the KNX Data Secure protocol, ensuring secure communication within the system.

Both sensors are designed for ceiling or false ceiling mounting and can be installed in master/slave mode to extend the detection area. Accessories such as wall mounting brackets are also available for greater installation flexibility.





KNX Secure multi-function movement sensor

WALL-MOUNT DEVICES

Description

The Ekinex KNX Secure multifunctional movement sensor can detect not only the movement of individuals but also brightness, air humidity and room temperature. Up to 4 channels are available for lighting (with constant brightness control) and temperature control functions.
Despite its compact size, the sensor has a wide detection range and the functions within it make it suitable for any use, from residential to commercial.

Main features

- Detection of normal and small movements with PIR technology and directional lens
- Up to 4 output channels and up to 3 brightness levels for both the start and end situation
- Automatic and semi-automatic modes
- Built-in brightness sensor
- Built-in room temperature sensor
- Built-in air humidity sensor
- Constant brightness control
- Thermoregulation functions
- Advanced logic functions
- Master/slave working mode
- Configurable orientation light
- Support of the KNX data Secure protocol

Technical data

- 360° movement detection range up to 15.5m (at 6m height)
- Installation height approx. 2.5 - 6m
- Power supply 21-30 Vdc via KNX bus and current consumption 5.5mA@30Vdc
- Illumination measurement range 0-2000 lux
- Body diameter Ø 48.5 mm
- Outer diameter Ø 70 mm
- Mounting hole diameter Ø 53-55 mm
- Recess depth 37 mm

Order information

Code	Colours	Package
EK-SG2-TP-M	White	1 pcs.
EK-SG2-TP-M-B	Black	
EK-AMP-1	White	
EK-AMP-1-B	Black	

Accessories

The following accessories are available for completion and must be ordered separately:

- Wall mounting bracket EK-AMP-1

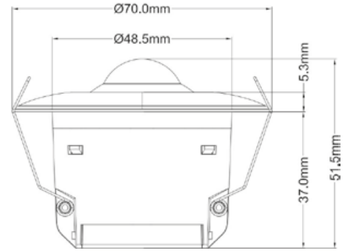


EK-AMP-1



EK-AMP-1-B

Dimensions [mm]



Configuration and commissioning

By means of ETS5 software or later versions
Application program: **APEKSG2TPM##.knxprod**
(## = version, download from www.ekinex.com)

Documentation

For more information see the technical documentation, download from **www.ekinex.com**





KNX Secure multifunctional presence sensor

WALL-MOUNT DEVICES

Description

With the KNX Secure multifunctional presence sensor with microwave technology it is possible to detect the actual presence of individuals in rooms. Due to its very high sensitivity to micro movements, its ideal use is in hotel rooms, offices and any place of sedentary presence.
Despite the multiple functionalities inside, the presence sensor comes in an ultra-compact design that is almost invisible in environments.

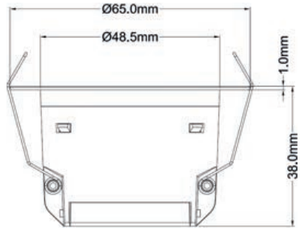
Main features

- Detection of normal and small movements with 24GHz microwave technology
- Up to 4 output channels and up to 3 brightness levels for both the start and end situation
- Automatic and semi-automatic modes
- Built-in brightness sensor
- Built-in room temperature sensor
- Built-in air humidity sensor
- Constant brightness control
- Thermoregulation functions
- Advanced logic functions
- Master/slave working mode
- Configurable orientation light
- Support of the KNX data Secure protocol

Technical data

- 360° static presence detection range up to 8.5m diameter (at 4m height)
- Installation height approx. 2.5-4 m
- Power supply 21-30 Vdc via KNX bus and current consumption 4mA@30Vdc
- SELV auxiliary power supply 12-30 Vdc and current consumption 20mA@30Vdc
- Illumination measurement range 0-2000 lux
- Body diameter Ø 48.5 mm
- Outer diameter Ø 65 mm
- Mounting hole diameter Ø 53-55 mm
- Recess depth 38 mm

Dimensions [mm]



Order information

Code	Colours	Package
EK-SG2-TP-P	White	1 pcs.
EK-SG2-TP-P-B	Black	

Configuration and commissioning

By means of ETS5 software or later versions
Application program: **APEKSG2TPP##.knxprod**
(## = version, download from www.ekinex.com)

Documentation

For more information see the technical documentation, download from **www.ekinex.com**





Surface wall mounting bracket for presence sensors (white)

WALL-MOUNT DEVICES

Description

Technopolymer mounting bracket for installing an EK-SG2-TP-M or EK-SG2-TP-P sensor on the surface of a wall or ceiling, eliminating the need for a flush-mount box.

Main features

- plastic mounting bracket
- installation without flush-mounting box
- snap-in locking mechanism

Order information

Code	Colours	Package
EK-AME-1	White	1 pcs.

Documentation

For more information see the technical documentation, download from **www.ekinex.com**





Surface wall mounting bracket for presence sensors (black)

WALL-MOUNT DEVICES

Description

Technopolymer mounting bracket for installing an EK-SG2-TP-M or EK-SG2-TP-P sensor on the surface of a wall or ceiling, eliminating the need for a flush-mount box.

Main features

- plastic mounting bracket
- installation without flush-mounting box
- snap-in locking mechanism

Order information

Code	Colours	Package
EK-AME-1-B	White	1 pcs.

Documentation

For more information see the technical documentation, download from **www.ekinex.com**

POWER SOCKETS / KEYSTONE SYSTEM

WALL-MOUNT DEVICES

ERA/Proxima series power socket, Italian version	179
ERA/Proxima series power socket, Schuko version	179
ERA/Proxima series power socket, French version	180
ERA/Proxima series power socket, Israeli version	181
ERA/Proxima series power socket, UK version	181
ERA/Proxima series power socket, Multistandard version	182
ERA/Proxima wiring devices modules	183
Power socket, Italian version (standard and USB A-C)	192
Schuko socket (standard and USB A-C)	193
French socket (standard and USB A-C)	194
UK socket (standard and USB A-C)	195
Waterproof cover IP65	196
Keystone system	202



Power sockets ERA series

The ERA series power sockets, designed by Michael Vincent UY, represent an innovative solution for system integration in residential and professional contexts. Designed to offer maximum safety, versatility and compatibility with the ERA series cover plates, they combine a refined, contemporary design with reliable, long-lasting performance.

Available finishes

	ERA	
	Plates	Front cover
Plastica antracite	–	•
Metallo	•	–

For more information see page 263

IT



89 x 89 x 7.5 mm | 89 x 89 x 7.5 mm | 89 x 89 x 7.5 mm | 89 x 89 x 7.5 mm | 89 x 89 x 7.5 mm

SCHUKO
FR
IL

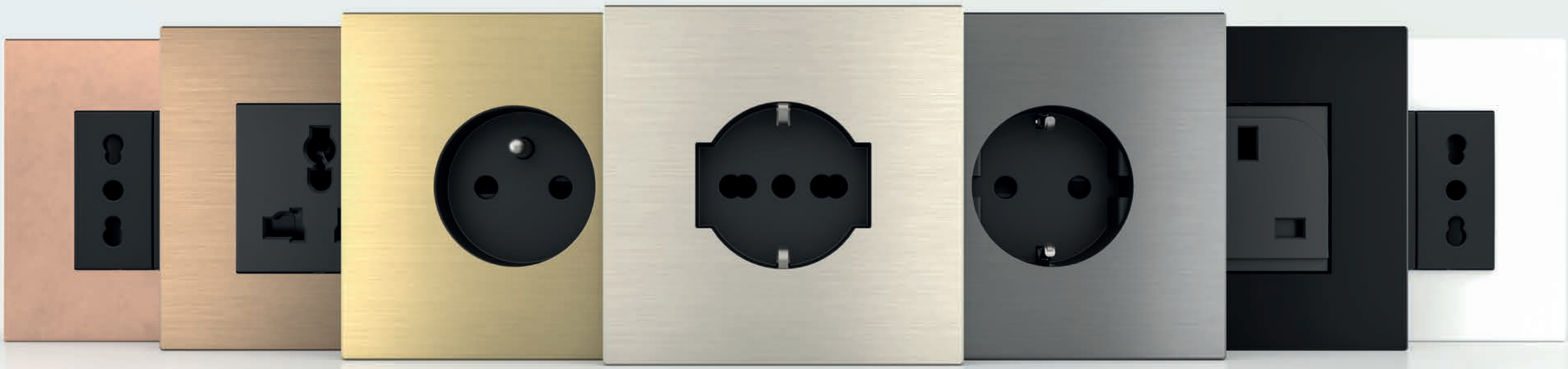


89 x 89 x 7.5 mm | 89 x 89 x 7.5 mm | 89 x 89 x 7.5 mm | 89 x 89 x 7.5 mm | 89 x 89 x 7.5 mm

MULTI-STANDARD
UK
WIRING DEVICE
MODULES



89 x 89 x 7.5 mm | 89 x 89 x 7.5 mm | 89 x 89 x 7.5 mm | 89 x 89 x 7.5 mm | 89 x 89 x 7.5 mm



Power sockets Proxima series

The Proxima series of power sockets is an advanced solution for system integration in residential and commercial settings. Designed to ensure maximum safety, versatility and compatibility with the Proxima series of cover plates, they combine a minimalist design with reliable performance.

Available finishes

	Proxima	
	Plates	Front cover
Anthracite plastic	–	•
Metal	•	–
Metal HT	•	–

For more information see page 263

IT


86 x 86 x 5 mm


158 x 86 x 5 mm


158 x 86 x 5 mm


158 x 86 x 5 mm

SCHUKO FR IL


86 x 86 x 5 mm


158 x 86 x 5 mm


158 x 86 x 5 mm


158 x 86 x 5 mm

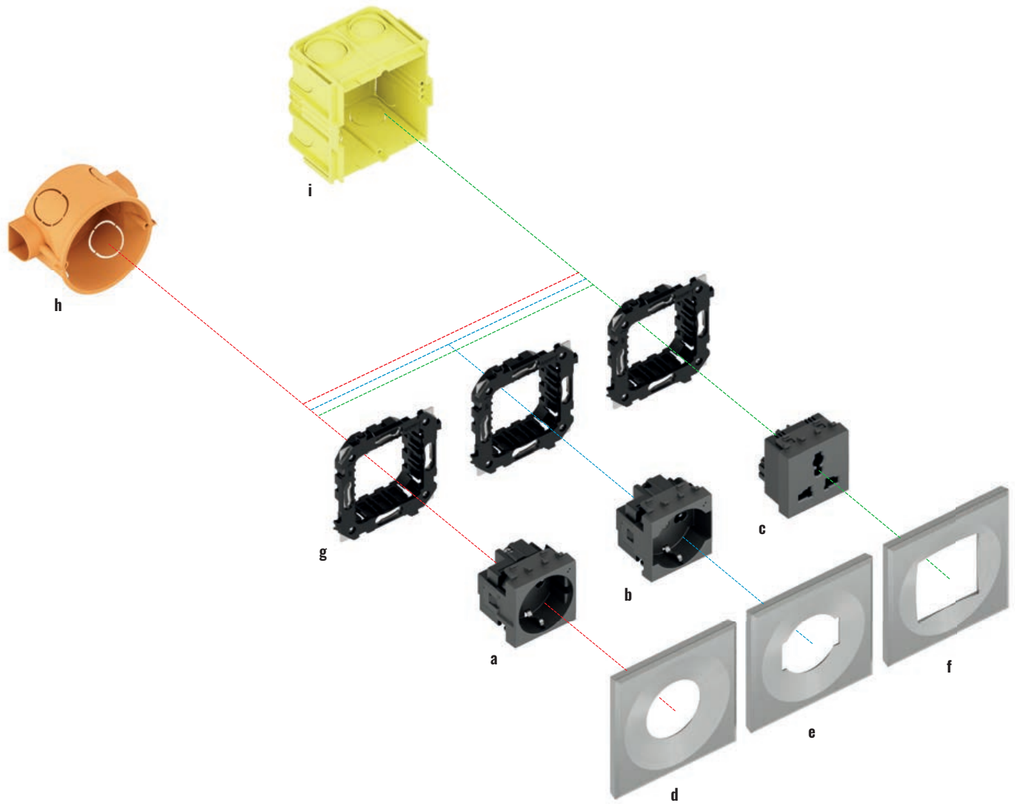
MULTI-STANDARD UK WIRING DEVICES


86 x 86 x 5 mm


158 x 86 x 5 mm


158 x 86 x 5 mm

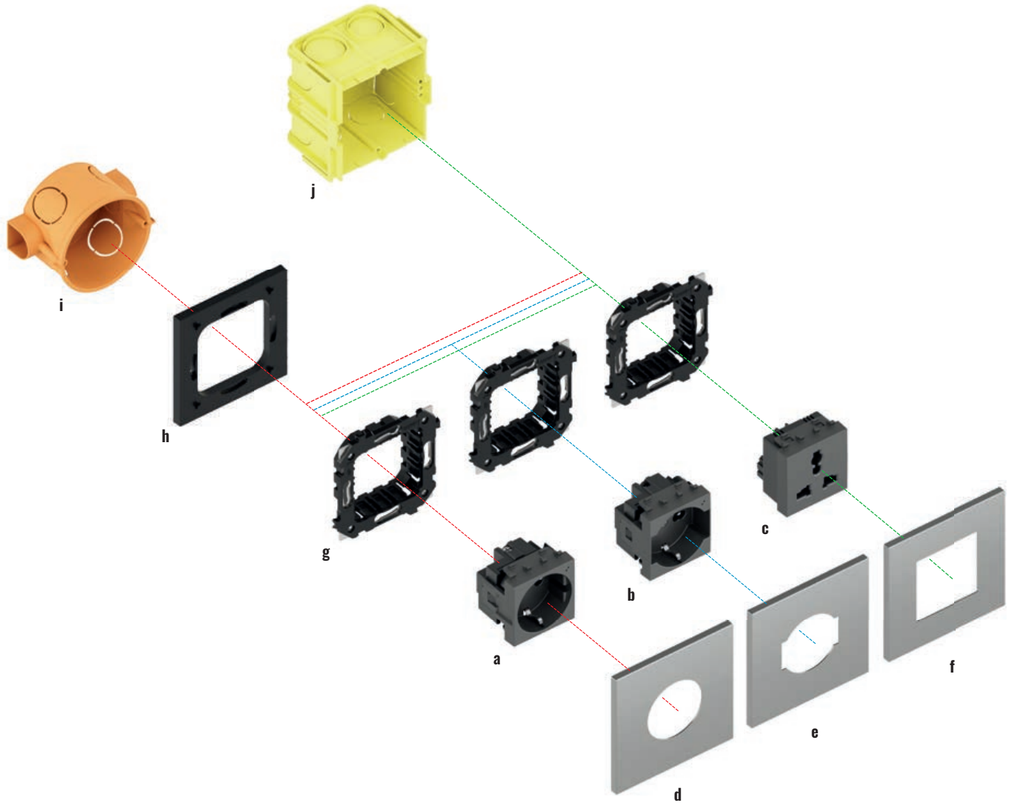

158 x 86 x 5 mm



Single installation

Description	Code
a) Presa elettrica Schuko / FR / IL	EK-PWT-DE / EK-PWT-DE-S
	EK-PWT-FR / EK-PWT-FR-S
	EK-PWT-FR / EK-PWT-FR-S
b) IT Unel power socket	EK-PWT-IT-U
c) Multistandard / UK / Wiring devices modules power socket	EK-PWA-UN / EK-PWT-UK
	EK-PWT-..
d) ERA Schuko / FR / IL square magnetic plate	EK-DEA-T-...
e) ERA IT Unel square magnetic plate	EK-DEA-U-...

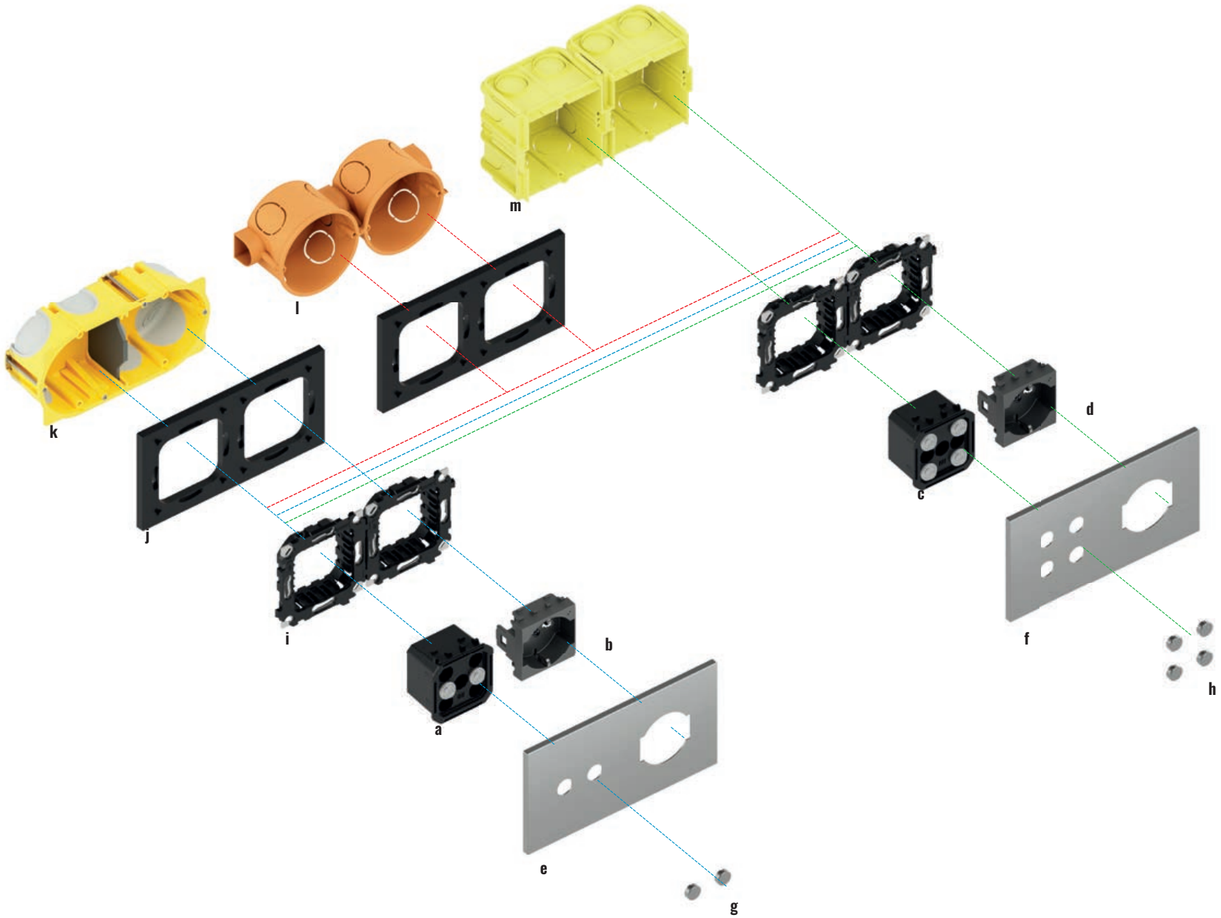
Description	Code
f) Proxima Multistandard square magnetic plate / UK / Wiring devices modules*	EK-DEA-P-...
g) Square mounting bracket	EK-SMP-71-1
h) Round flush-mounted box	non fornito da Ekinex®
i) Scatola da incasso quadrata	non fornito da Ekinex®
*) 45 x 45 mm window	



Single installation

Description	Code
a) Schuko / FR / IL power socket	EK-PWT-DE / EK-PWT-DE-S
	EK-PWT-FR / EK-PWT-FR-S
	EK-PWT-FR / EK-PWT-FR-S
b) IT Unel power socket	EK-PWT-IT-U
c) Multistandard / UK / Wiring devices modules power socket	EK-PWA-UN / EK-PWT-UK
	EK-PWT-..
d) Proxima Schuko / FR / IL square magnetic plate	EK-PQA-T-...
e) Proxima IT Unel square magnetic plate	EK-PQA-U-...

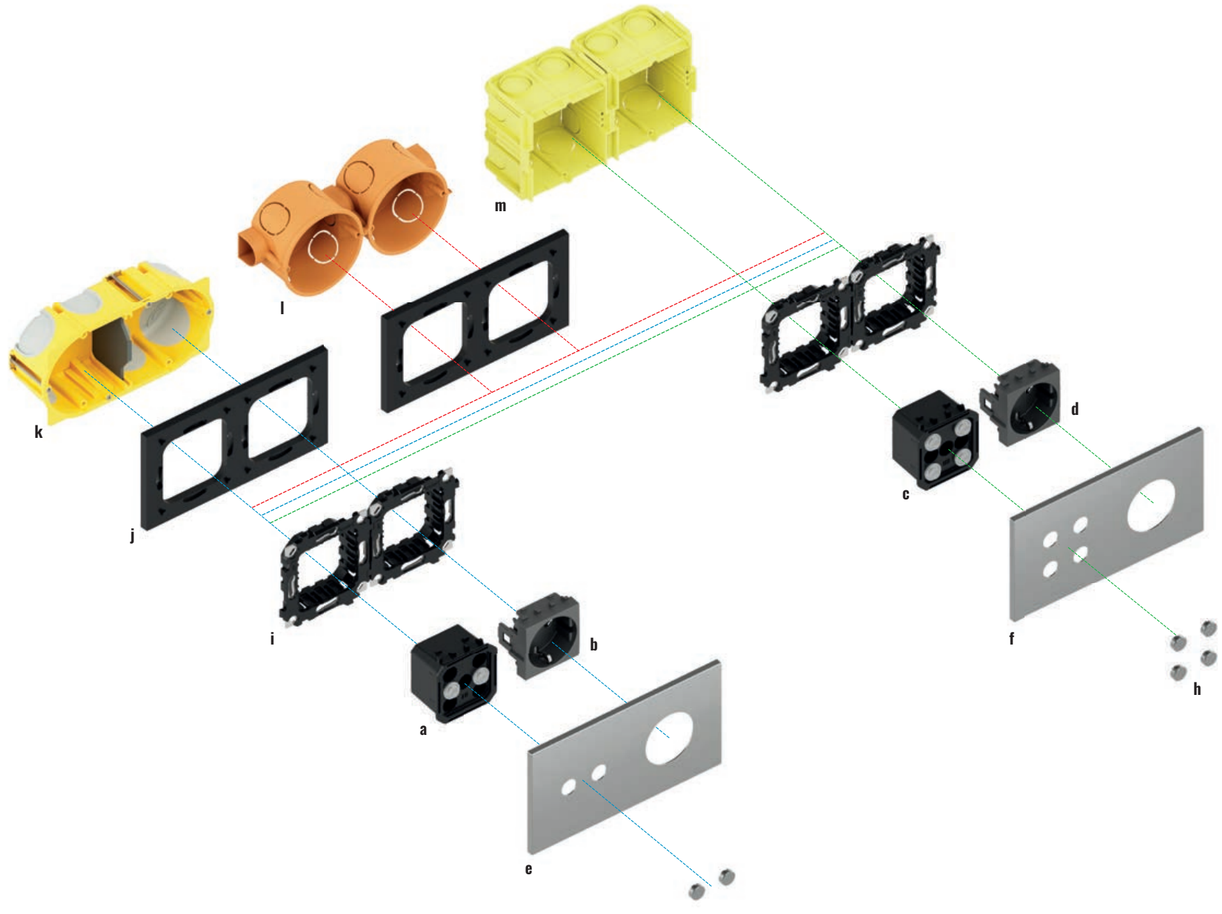
Description	Code
f) Proxima Multistandard square magnetic plate / UK / Wiring devices modules*	EK-PQA-P-...
g) Square mounting bracket	EK-SMP-71-1
h) Bracket for compatibility with round flush-mounted boxes	EK-SMP-Q-1
i) Round flush-mounted box	not supplied by Ekinex®
j) Square flush-mounted box	not supplied by Ekinex®
*) 45 x 45 mm window	



Double installation

Description	Code
a) Proxima pushbuttons with 2 rockers	EK-EZ2-TP-2
b) d) Unel IT power socket	EK-PWT-IT-U
c) Proxima pushbuttons with 4 rockers	EK-EZ2-TP-4
e) Proxima double rectangular magnetic plate	EK-P2A-2U-...
f) Proxima double rectangular magnetic plate	EK-P2A-4U-...
g) Proxima pushbuttons with 2 rockers	EK-EZ2-TP-2

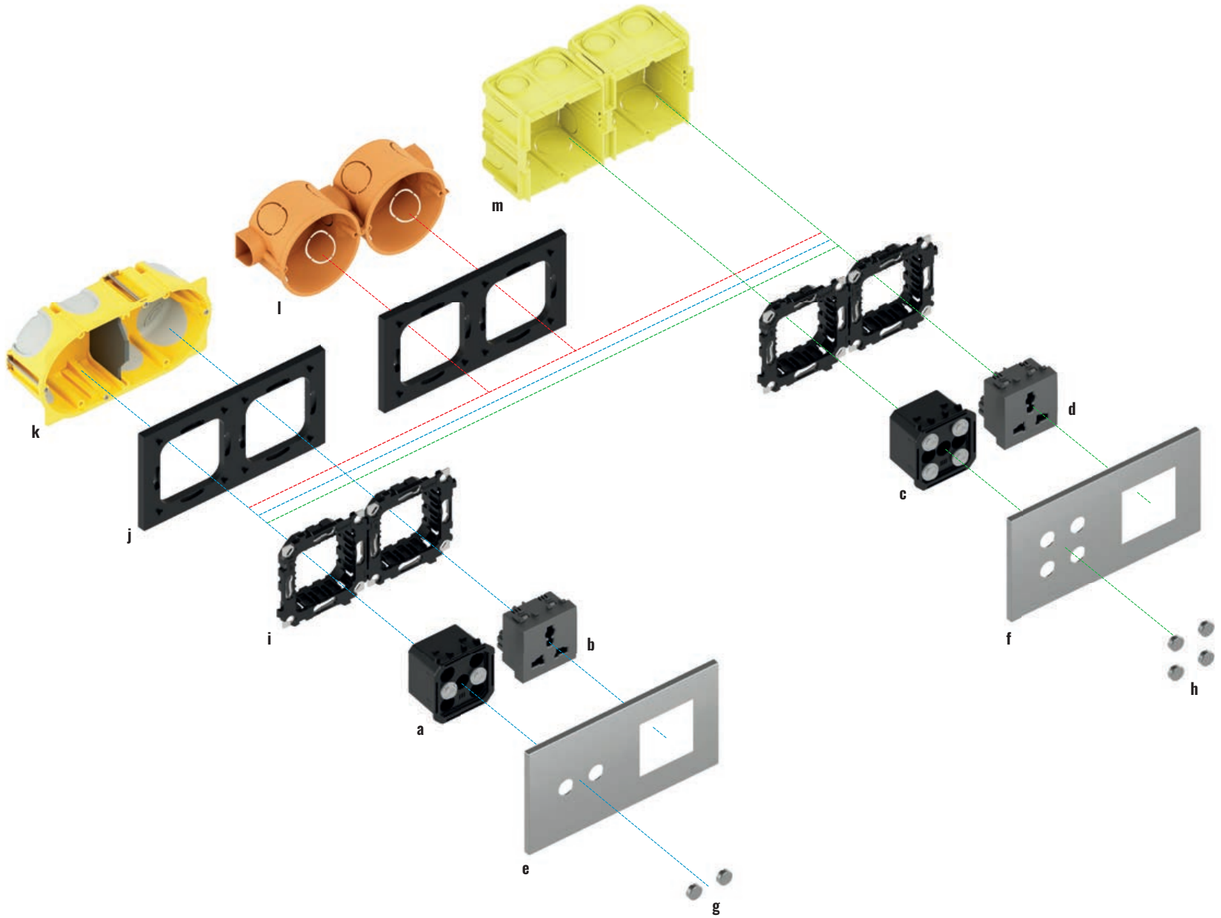
Description	Code
h) Proxima button with 4 rockers	EK-EZ2-TP-4
i) Square mounting bracket	EK-SMP-71-1
j) Bracket for compatibility with round flush-mounting boxes	EK-SMP-D-1
k) Double flush-mounting box for walls up to 35 mm	not supplied by Ekinex®
l) Double round flush-mounting box for masonry walls	not supplied by Ekinex®
m) Double square flush-mounting box for masonry walls	not supplied by Ekinex®



Double installation

Description	Code
a) Proxima button with 2 rockers	EK-EZ2-TP-2
b) d) Schuko / FR / IL power socket	EK-PWT-DE / EK-PWT-DE-S
	EK-PWT-FR / EK-PWT-FR-S
	EK-PWT-FR / EK-PWT-FR-S
c) Proxima button with 4 rockers	EK-EZ2-TP-4
e) Proxima double rectangular magnetic plate	EK-P2A-2T-...
f) Proxima double rectangular magnetic plate	EK-P2A-4T-...
g) Proxima button with 2 rockers	EK-EZ2-TP-2

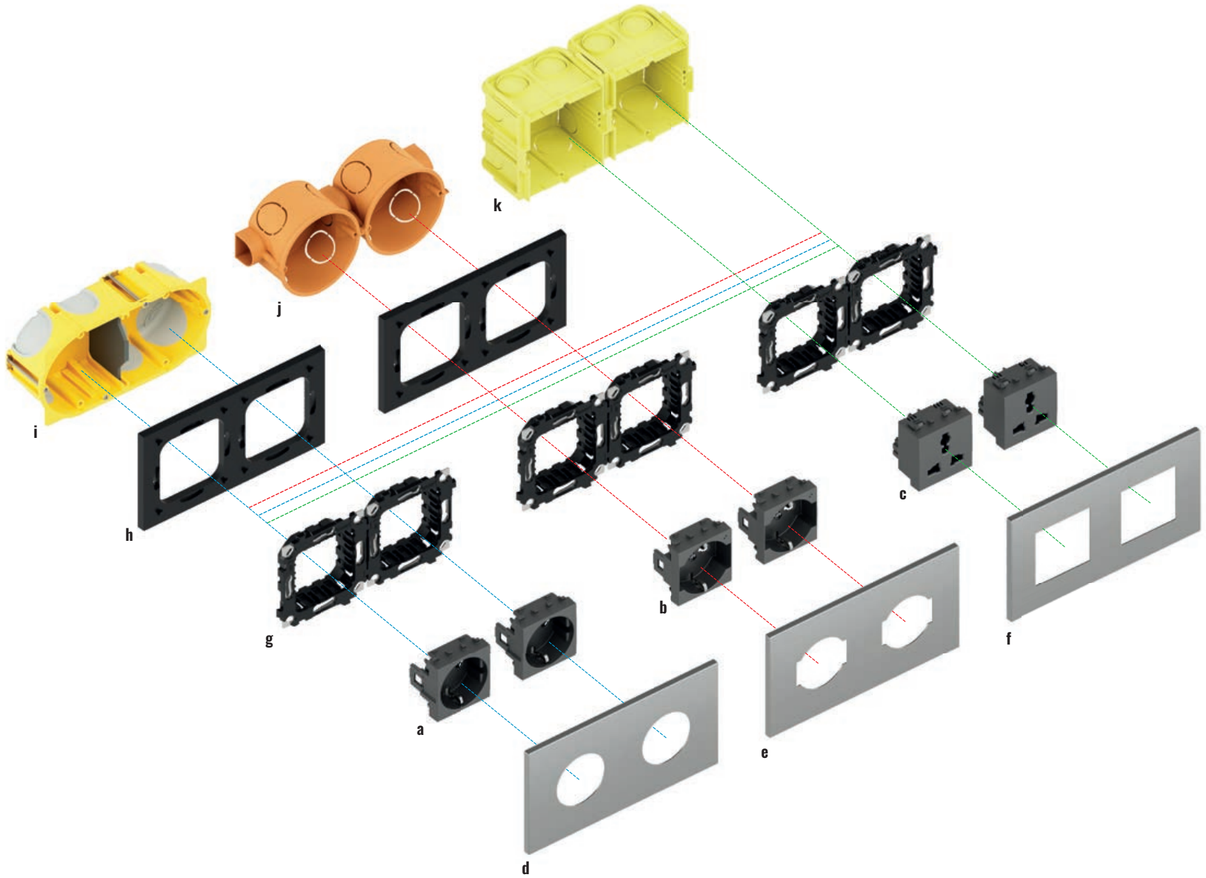
Description	Code
h) Proxima button with 4 rockers	EK-EZ2-TP-4
i) Square mounting bracket	EK-SMP-71-1
j) Bracket for compatibility with round flush-mounting boxes	EK-SMP-D-1
k) Double flush-mounting box for walls up to 35 mm	not supplied by Ekinex®
l) Double round flush-mounting box for masonry walls	not supplied by Ekinex®
m) Double square flush-mounting box for masonry walls	not supplied by Ekinex®



Double installation

Description	Code
a) Proxima 2-button pushbuttons	EK-EZ2-TP-2
b) d) Multistandard / UK / Wiring devices modules power socket	EK-PWA-UN / EK-PWT-UK
	EK-PWT-..
c) Proxima 4-button pushbuttons	EK-EZ2-TP-4
d) IT Unel power socket	EK-PWT-IT-U
e) Proxima 2-position rectangular magnetic plate*	EK-P2A-2P-...
f) Proxima 2-position rectangular magnetic plate*	EK-P2A-4P-...
g) Proxima 2-button pushbuttons	EK-EZ2-TP-2

Description	Code
h) Proxima button with 4 rockers	EK-EZ2-TP-4
i) Square mounting bracket	EK-SMP-71-1
j) Bracket for compatibility with round flush-mounted boxes	EK-SMP-D-1
k) Double flush-mounted box for walls up to 35 mm	not supplied by Ekinex®
l) Double round flush-mounted box for masonry walls	not supplied by Ekinex®
m) Double square flush-mounted box for masonry walls	not supplied by Ekinex®
*) 45 x 45 mm window	



Double installation

Description	Code
a) Schuko / FR / IL power socket	EK-PWT-DE / EK-PWT-DE-S
	EK-PWT-FR / EK-PWT-FR-S
	EK-PWT-FR / EK-PWT-FR-S
b) IT Unel power socket	EK-PWT-IT-U
c) Multistandard / UK / Wiring devices modules power socket	EK-PWA-UN / EK-PWT-UK
	EK-PWT-..
d) Proxima double rectangular magnetic plate	EK-P2A-TT-...

Description	Code
e) Proxima double rectangular magnetic plate	EK-P2A-UU-...
f) Proxima double rectangular magnetic plate*	EK-P2A-44-...
g) Square mounting bracket	EK-SMP-71-1
h) Bracket for compatibility with round flush-mounted boxes	EK-SMP-D-1
i) Double flush-mounted box for walls up to 35 mm	not supplied by Ekinex®
j) Double round flush-mounted box for masonry walls	not supplied by Ekinex®
k) Double square flush-mounted box for masonry walls	not supplied by Ekinex®
*) 45 x 45 mm window	

ERA/Proxima series power sockets

WALL-MOUNT DEVICES





Proxima's wiring devices components represent technological evolution in high-end electrical installations. Designed to combine maximum functionality and aesthetic integration, Proxima stands out for its clean, geometric design and high-quality construction. The plates, made from selected materials, are designed to blend harmoniously into high-profile residential, office and hospitality environments.

The modularity of the system allows flexible installation on standard flush-mounted boxes (Italian, German, French, Israeli), ensuring compatibility and quick installation. The mechanisms are designed to offer reliable performance over time, with precise feedback on actuation and aesthetics coordinated with Ekinex home automation systems.

Available in different configurations, the Proxima series is designed to meet contemporary design requirements, with a particular focus on integration with KNX smart home systems, offering perfect aesthetic continuity between traditional devices and intelligent technologies.

Every component in the Proxima series speaks a modern, intuitive language that can communicate with the most advanced home automation systems. Available in a range of colours and materials, from ultra-matt to metallic textures, Proxima fits like a tailor-made suit to the spirit of your home or your design vision.





Italian power socket ERA/Proxima series

WALL-MOUNT DEVICES

Description

The UNEL two-pin Schuko socket is a Type F+L (2P+T) socket designed to combine versatility and safety. Thanks to its compatibility with Schuko and Bipass UNEL plugs, it offers high flexibility of use. Manufactured in anthracite grey (RAL 7016), it fits perfectly to modern and refined environments. Installation is carried out in combination with the ERA/Proxima series plates, ensuring a perfect balance between design and functionality.

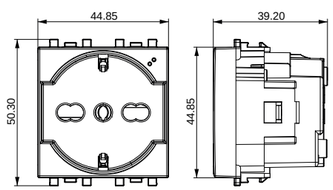
Main features

- Connection of domestic consumers with AC voltage up to 250 V ~
- Blanking plug for contact protection
- Mounting on round or square wall box
- Screw terminals for cable cross-sections up to 2.5 mm².

Accessories

- The following accessories are available for completion and must be ordered separately:
- Magnetic square plate EK-PQA-U-... / EK-DEA-U-...
- Holder EK-SMP-71-1
- Optional: Mounting accessory EK-SMP-Q-1 (check flush-box compatibility))

Dimensions [mm]



Order information

Code	Type
EK-PWT-IT-U	power socket

Documentation

For more information see the technical documentation, download from **www.ekinex.com**



Schuko power socket ERA/Proxima series

WALL-MOUNT DEVICES

Description

The EK-PWT-DE P30 Schuko socket is a 16A, 2-pin + earth (2P+E) German Type F socket (with screw terminals), designed for functionality and safety. Manufactured in anthracite grey (RAL 7016), it integrates perfectly into modern environments. The compact 2-module format makes it suitable for installation in combination with ERA/Proxima series plates.

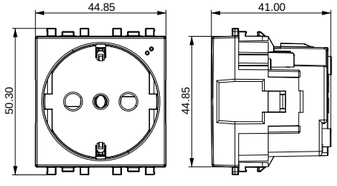
Main features

- Connection of domestic consumers with AC voltage up to 250 V ~
- Blanking plug for contact protection
- Mounting on round or square wall box
- Screw terminals for cable cross-sections up to 2.5 mm².

Accessories

- The following accessories are available for completion and must be ordered separately:
- Magnetic square plate EK-PQA-T-... / EK-DEA-T-...
- Holder EK-SMP-71-1
- Optional: Mounting accessory EK-SMP-Q-1 (check flush-box compatibility)

Dimensions [mm]



Order information

Code	Type
EK-PWT-DE	power socket with spring-loaded terminals

Documentation

For more information see the technical documentation, download from **www.ekinex.com**



Schuko power socket with spring-loaded terminals ERA/Proxima series

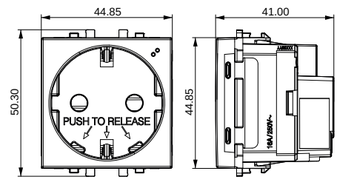
WALL-MOUNT DEVICES

Description
The EK-PWT-DE Schuko P30 is a 16A, 2-pole + earth (2P+E) German F-type socket (with spring-loaded terminals), designed for functionality and safety. Manufactured in anthracite grey (RAL 7016), it blends in perfectly with modern environments. Its compact 2-module format means it can be installed in combination with ERA/Proxima series panels EK-PQA-....

Main features
- Connection of domestic consumers with AC voltage up to 250 V ~
- Blanking plug for contact protection
- Mounting on round or square wall box
- Screw terminals for cable cross-sections up to 2.5 mm^2.

Accessories
- The following accessories are available for completion and must be ordered separately:
- Magnetic square plate EK-PQA-T-... / EK-DEA-T-...
- Holder EK-SMP-71-1
- Optional: Mounting accessory EK-SMP-Q-1 (check flush-box compatibility)

Dimensions [mm]



Order information

Code	Type
EK-PWT-DE-S	power socket with spring-loaded terminals

Documentation

For more information see the technical documentation, download from **www.ekinex.com**



French power socket ERA/Proxima series

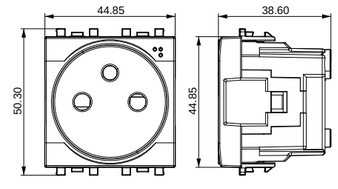
WALL-MOUNT DEVICES

Description
The French socket is a 16A, 2-pole + earth (2P+E) Type E socket (with screw terminals), designed for functionality and safety. Manufactured in anthracite grey (RAL 7016), it integrates perfectly into modern environments. The compact 2-module format makes it suitable for installation in combination with ERA/Proxima series plates.

Main features
- Connection of domestic consumers with AC voltage up to 250 V ~
- Blanking plug for contact protection
- Mounting on round or square wall box
- Screw terminals for cable cross-sections up to 2.5 mm^2.

Accessories
- The following accessories are available for completion and must be ordered separately:
- Magnetic square plate EK-PQA-T-... / EK-DEA-T-...
- Holder EK-SMP-71-1
- Optional: Mounting accessory EK-SMP-Q-1 (check flush-box compatibility)

Dimensions [mm]



Order information

Code	Type
EK-PWT-FR	power socket

Documentation

For more information see the technical documentation, download from **www.ekinex.com**



French power socket with spring-loaded terminals ERA/Proxima series

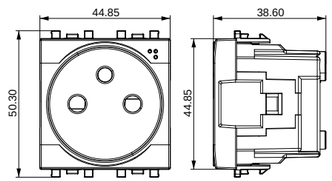
WALL-MOUNT DEVICES

Description
The French socket is a 16A, 2-pole + earth (2P+E) Type E socket (with spring terminals), designed for functionality and safety. Manufactured in anthracite grey (RAL 7016), it integrates perfectly into modern environments. The compact 2-module format makes it suitable for installation in combination with ERA/Proxima series plates.

Main features
- Connection of domestic consumers with AC voltage up to 250 V ~
- Blanking plug for contact protection
- Mounting on round or square wall box
- Screw terminals for cable cross-sections up to 2.5 mm^2.

Accessories
- The following accessories are available for completion and must be ordered separately:
- Magnetic square plate EK-PQA-T-... / EK-DEA-T-...
- Holder EK-SMP-71-1
- Optional: Mounting accessory EK-SMP-Q-1 (check flush-box compatibility)

Dimensions [mm]



Order information

Code	Type
EK-PWT-FR-S	power socket with spring-loaded terminals

Documentation

For more information see the technical documentation, download from **www.ekinex.com**



Israeli power socket ERA/Proxima series

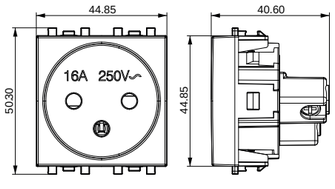
WALL-MOUNT DEVICES

Description
The Israeli socket is a 16A, pole + earth (P+T) Type H socket, designed for functionality and safety. Manufactured in anthracite grey (RAL 7016), it integrates perfectly into modern environments. The compact 2-module format makes it suitable for installation in combination with ERA/Proxima series plates.

Main features
- Connection of domestic consumers with AC voltage up to 250 V ~
- Blanking plug for contact protection
- Mounting on round or square wall box
- Screw terminals for cable cross-sections up to 2.5 mm^2.
-

Accessories
- The following accessories are available for completion and must be ordered separately:
- Magnetic square plate EK-PQA-T-... / EK-DEA-T-...
- Holder EK-SMP-71-1
- Optional: Mounting accessory EK-SMP-Q-1 (check flush-box compatibility)

Dimensions [mm]



Order information

Code	Type
EK-PWT-IL	power socket

Documentation

For more information see the technical documentation, download from **www.ekinex.com**



UK power socket ERA/Proxima series

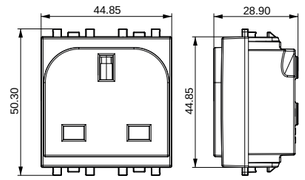
WALL-MOUNT DEVICES

Description
The EK-PWA-UK, in anthracite grey (RAL 7016), combines functionality and refined design. With a voltage of 230V~ and 1-module format, it fits discreetly into any environment, offering a practical and elegant solution.

Main features
- Connection of domestic consumers with AC voltage up to 250 V ~
- Blanking plug for contact protection
- Mounting on round or square wall box
- Screw terminals for cable cross-sections up to 2.5 mm².

Accessories
- The following accessories are available for completion and must be ordered separately:
- Magnetic square plate EK-PQA-P-... / EK-DEA-P-...
- Holder EK-SMP-71-1
- Optional: Mounting accessory EK-SMP-Q-1 (check flush-box compatibility)

Dimensions [mm]



Order information

Code	Type
EK-PWT-UK	power socket

Documentation
For more information see the technical documentation, download from **www.ekinex.com**



Multistandard power socket ERA/Proxima series

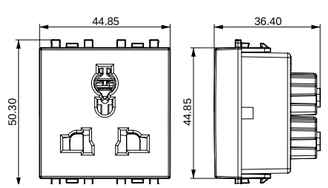
WALL-MOUNT DEVICES

Description
The EK-PWA-UN multi-standard socket outlet in anthracite grey (RAL 7016) combines functionality and refined design. With a voltage of 230V~ and consisting of 2 modules, it fits discreetly into any environment, offering a practical and elegant solution.

Main features
- Connection of domestic consumers with AC voltage up to 250 V ~
- Blanking plug for contact protection
- Mounting on round or square wall box
- Screw terminals for cable cross-sections up to 2.5 mm².

Accessories
- The following accessories are available for completion and must be ordered separately:
- Magnetic square plate EK-PQA-P-... / EK-DEA-P-...
- Holder EK-SMP-71-1
- Optional: Mounting accessory EK-SMP-Q-1 (check flush-box compatibility)

Dimensions [mm]



Order information

Code	Type
EK-PWA-UN	power socket

Documentation
For more information see the technical documentation, download from **www.ekinex.com**

Wiring devices modules for square plates (45x45 mm window) ERA/Proxima series

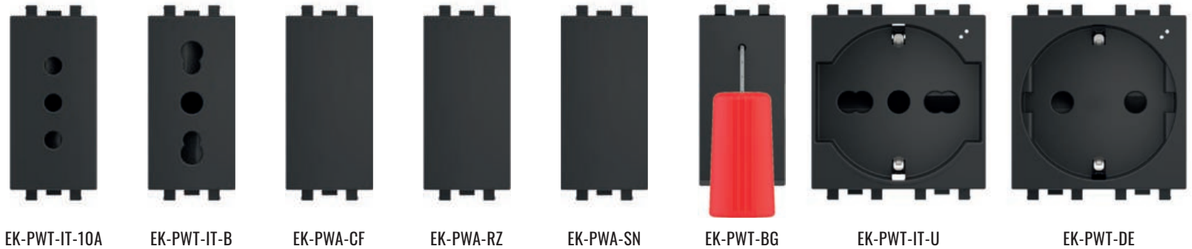
WALL-MOUNT DEVICES

Description
The wiring devices modules for square plates with 45x45 mm window offer a combination of functionality and refined design, discreetly adapting to any environment. These modules are designed for the connection of domestic appliances with AC voltage up to 250 V~ and are equipped with shutter contact protection. They are mounted on a round or square wall box, with screw terminals for cables with a cross-section of up to 2.5 mm².

Main features
- Connection of domestic consumers with AC voltage up to 250 V ~
- Contact protection via shutter
- Mounting on round or square wall box
- Screw terminals for cable cross-sections up to 2.5 mm²

Accessories
The following accessories are available for completion and must be ordered separately:
- Square magnetic plate EK-PQA-P-... / EK-DEA-P-...
- Modules and components of the wiring devices to choose from: EK-PWT-IT-B, EK-PWA-RZ, EK-PWA-SN, EK-PWA-CF, EK-PWT-...
- Mounting Bracket EK-SMP-71-1
- Optional: Mounting accessory EK-SMP-Q-1 (check flush-box compatibility)

Type of wiring devices modules

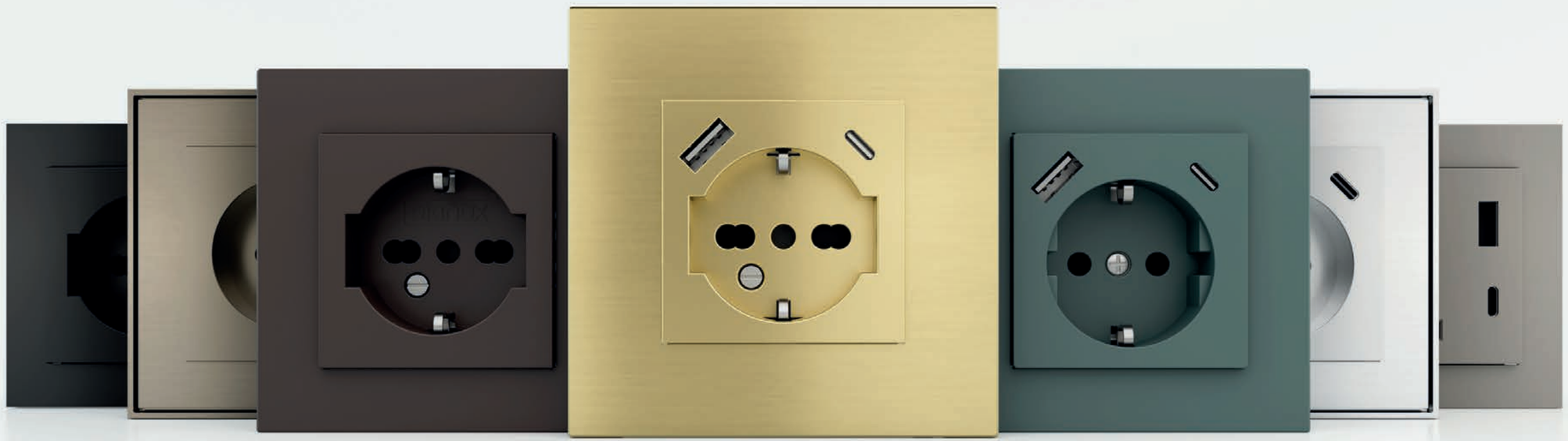




Order information

Code	Type	Code	Type
EK-PWA-CF	1M hole cover plug	EK-PWT-DE	Schuko socket
EK-PWT-IT-B	Bypass socket	EK-PWT-DE-S	Schuko socket with spring-loaded terminals
EK-PWA-RZ	230V buzzer	EK-PWT-FR	French socket
EK-PWA-SN	230V bell	EK-PWT-FR-S	French socket with spring-loaded terminals
EK-PWT-BG	Button puller	EK-PWT-UN	Multi-standard socket
EK-PWT-IL	Israeli socket	EK-PWT-UK	UK socket
EK-PWT-IT-U	UNEL socket	EK-PWI-MG	Magnetic circuit breaker
EK-PWT-IT-10A	Italian power socket - 10A		

Documentation
For more information see the technical documentation, download from **www.ekinex.com**



Power socket (standard and USB A-C)

WALL-MOUNT DEVICES

The new Ekinex standard sockets are available in a dual-step version with and without USB, bringing them in line with the latest charging standards with A and C ports and a maximum of 3.5A.

Available colour solutions

	Form	Flank	'NF	Deep	Surface	standard	USB A/C
	Frames		Plates			Front cover*	
Raw plastic	–	–	–	–	–	•	•
Technopolymer	•	•	•	•	–	•	•
Metal	•	•	•	•	•	•	•
Metal HT	–	–	–	•	•	•	•
Fenix NTM®	–	–	•	•	•	•	•

* The metal or Fenix NTM® colour effect is achieved by painting
For more information see page 263

FORM 'NF



80 x 80 x 8 mm

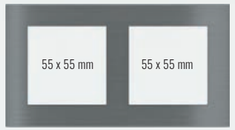


151 x 80 x 8 mm

DEEP



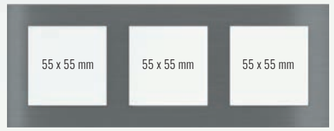
87 x 87 x 9 mm



158 x 87 x 9 mm



158 x 87 x 9 mm

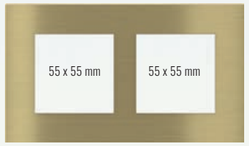


229 x 87 x 9 mm

SURFACE



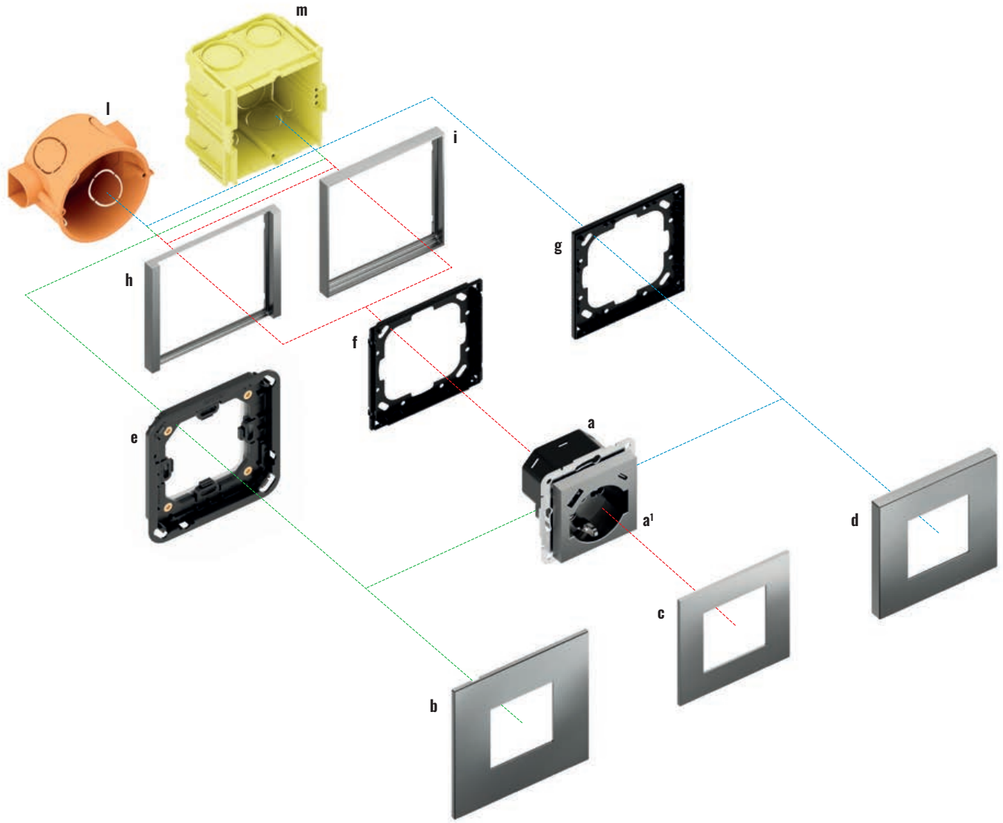
98 x 98 x 3 mm



168 x 98 x 3 mm



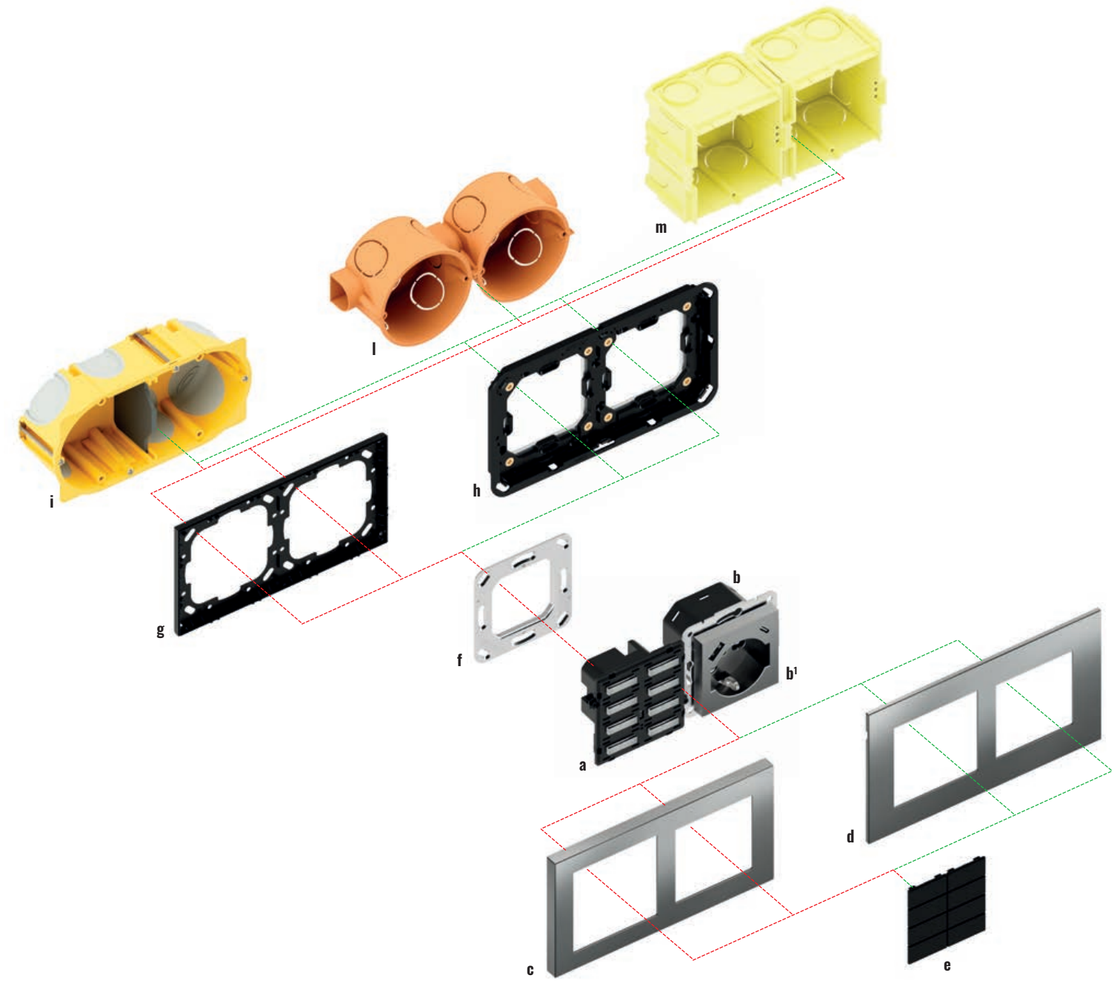
168 x 98 x 3 mm



Single installation

Description	Code
a) Power socket (window 55 x 55 mm)	EK-PWS-IT or EK-PWS-IT-USB
	EK-PWS-DE(-S) or EK-PWS-DE-USB
	EK-PWS-FR or EK-PWS-FR-USB
	EK-PWS-UK or EK-PWS-UK-USB
a1) Front cover	EK-PSC-IT or EK-PSC-IT-USB
	EK-PSC-DE or EK-PSC-DE-USB
	EK-PSC-FR or EK-PSC-FR-USB
	EK-PWS-UK or EK-PWS-UK-USB
b) Surface square plate*	EK-SQG-...
c) Square plate*	EK-PQG-...

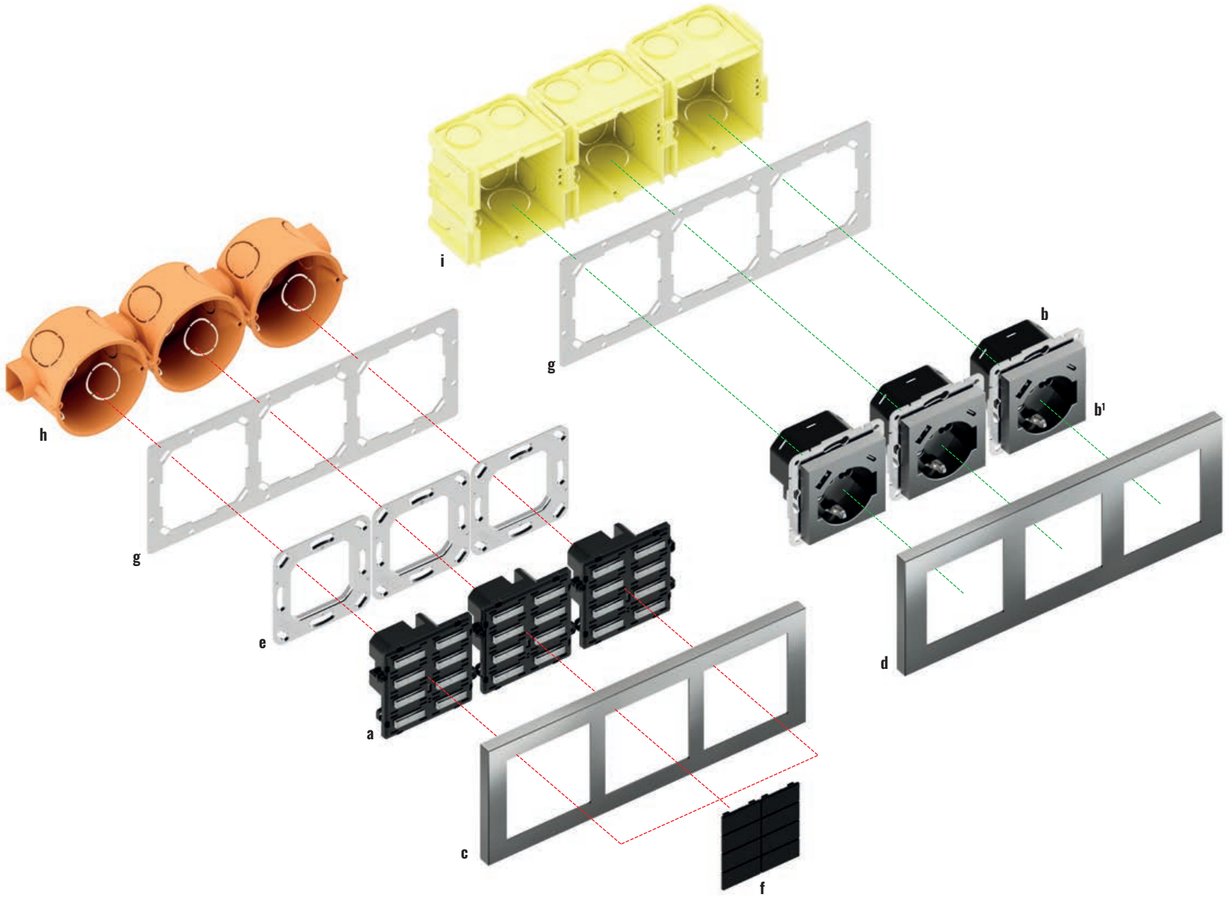
Description	Code
d) Deep square plate*	EK-DQG-...
e) Adapter for square Surface plate	EK-TAS-Q-W or EK-TAS-Q-N
f) Adapter for square plate Form frames	EK-TAQE-1
g) Adapter for square plate 'NF and Deep version	EK-TAQE-1-NF
h) Square frame of Flank version	EK-FLQ-...
i) Square frame of Form version	EK-FOQ-...
l) Round built-in box	not delivered by Ekinex®
m) Square built-in box	not delivered by Ekinex®
*) 55 x 55 mm window	



Double installation with centre distance 71 mm (20venti series)

Description	Code
a) Pushbutton 20venti series	EK-E2E-TP-...
b) Power socket (window 55 x 55 mm)	EK-PWS-IT or EK-PWS-IT-USB
	EK-PWS-DE(-S) or EK-PWS-DE-USB
	EK-PWS-FR or EK-PWS-FR-USB
	EK-PWS-UK or EK-PWS-UK-USB
b1) Front cover	EK-PSC-IT or EK-PSC-IT-USB
	EK-PSC-DE or EK-PSC-DE-USB
	EK-PSC-FR or EK-PSC-FR-USB
	EK-PWS-UK or EK-PWS-UK-USB
c) Deep double plate*	EK-D2G-...

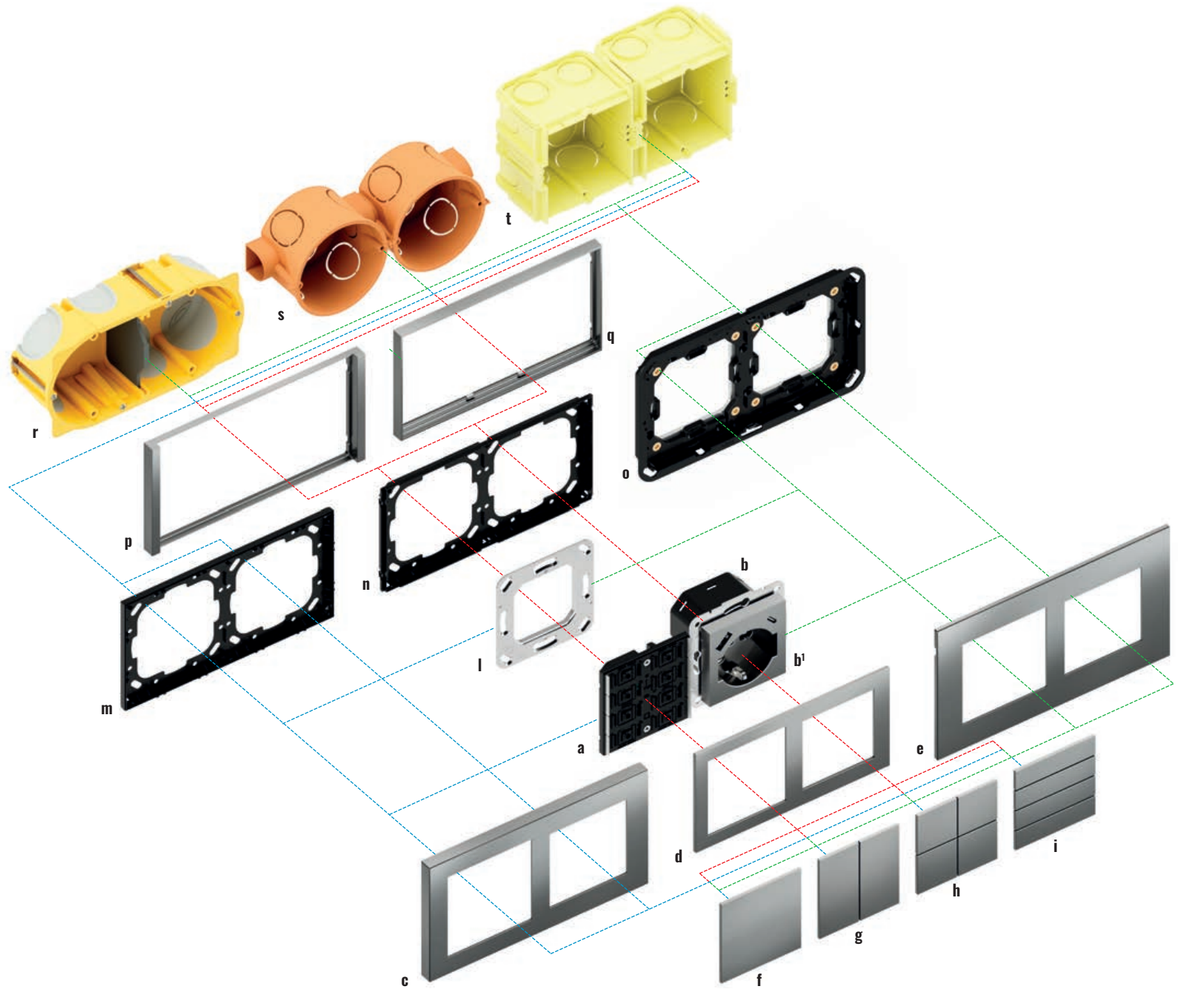
Description	Code
d) Surface double plate*	EK-S2G-...
e) Horizontal rectangular keys (8)	EK-T4R-20-...
f) Metal mounting support	EK-SMQ-71-1
g) Double adapter for frame-free installation	EK-A71E-1-NF
h) Double adapter for Surface double plate	EK-TAS-D-W or EK-TAS-D-N
i) Double box for walls up to 35 mm	not delivered by Ekinex®
l) Single boxes for masonry walls	not delivered by Ekinex®
m) Single boxes for masonry walls	not delivered by Ekinex®
*) 60 x 60 mm + 55 x 55 mm window	



Triple installation with centre distance 71 mm (20venti series)

Description	Code
a) Pushbutton 20venti series	EK-E2E-TP-...
b) Power socket (window 55 x 55 mm)	EK-PWS-IT or EK-PWS-IT-USB
	EK-PWS-DE(-S) or EK-PWS-DE-USB
	EK-PWS-FR or EK-PWS-FR-USB
	EK-PWS-UK or EK-PWS-UK-USB
b1) Front cover	EK-PSC-IT or EK-PSC-IT-USB
	EK-PSC-DE or EK-PSC-DE-USB
	EK-PSC-FR or EK-PSC-FR-USB
	EK-PWS-UK or EK-PWS-UK-USB

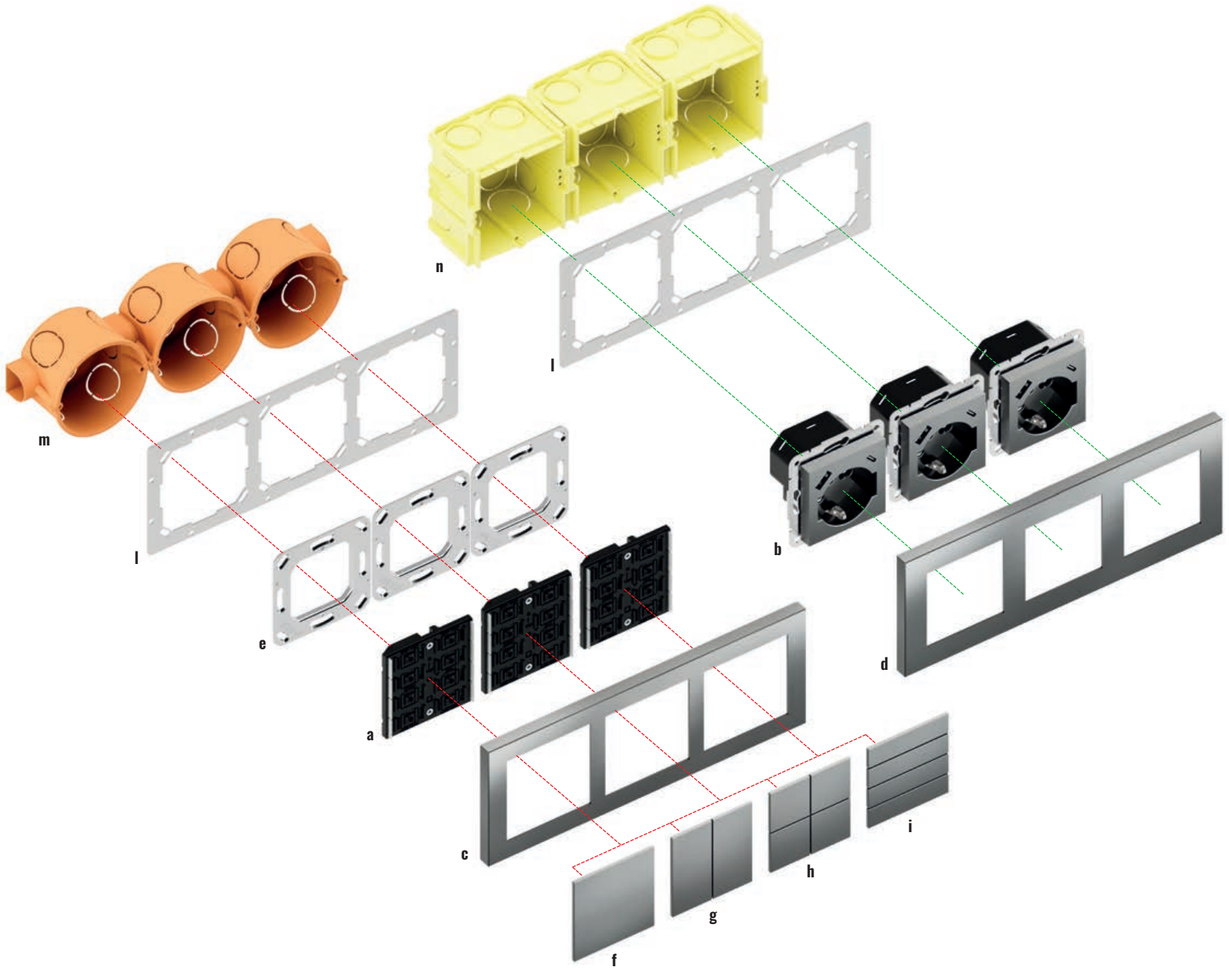
Description	Code
c) Deep triple plate*	EK-D3S-...
d) Deep triple plate**	EK-D3P-...
e) Metal mounting support	EK-SMQ-71-1
f) Horizontal rectangular keys (8)	EK-T4R-20-...
g) Triple plate adapter - Deep version	EK-B71-1-NF
h) Single boxes for masonry walls	not delivered by Ekinex®
*) 60 x 60 mm window **) 55 x 55 mm window	



Double installation with centre distance 71 mm (71 series)

Description	Code
a) Pushbutton 71 series	EK-E13-TP-... o EK-E23-TP-...
b) Power socket (window 55 x 55 mm)	EK-PWS-IT or EK-PWS-IT-USB
	EK-PWS-DE(-S) or EK-PWS-DE-USB
	EK-PWS-FR or EK-PWS-FR-USB
	EK-PWS-UK or EK-PWS-UK-USB
b1) Front cover	EK-PSC-IT or EK-PSC-IT-USB
	EK-PSC-DE or EK-PSC-DE-USB
	EK-PSC-FR or EK-PSC-FR-USB
	EK-PWS-UK or EK-PWS-UK-USB
c) Deep double plate	EK-D2G-...
d) Double plate	EK-P2G-...
e) Surface double plate	EK-S2G-...
g) Rectangular vertical rockers (2)	EK-T2R-...

Description	Code
h) Square rockers (4)	EK-T4Q-...
f) Square rocker (1)	EK-T1Q-...
i) Rectangular horizontal rockers (4)	EK-T4R-...
l) Metal mounting support	EK-SMQ-71-1
m) Double adapter for frame-free installation	EK-A71E-1-NF
n) Adapter for double plate with a Form frame	EK-A71E
o) Double adapter for Surface double plate	EK-TAS-D-W or EK-TAS-D-N
p) Flank version double frame	EK-FL2-...
q) Form version double frame	EK-FO2-...
r) Double box for walls up to 35 mm	not delivered by Ekinex®
s) Single boxes for masonry walls	not delivered by Ekinex®
t) Single boxes for masonry walls	not delivered by Ekinex®
*) 60 x 60 mm + 55 x 55 mm window	



Triple installation with centre distance 71 mm (71 series)

Description	Code
a) Pushbutton 71 series	EK-E13-TP-... o EK-E23-TP-...
b) Power socket (window 55 x 55 mm)	EK-PWS-IT or EK-PWS-IT-USB
	EK-PWS-DE(-S) or EK-PWS-DE-USB
	EK-PWS-FR or EK-PWS-FR-USB
	EK-PWS-UK or EK-PWS-UK-USB
b1) Front cover	EK-PSC-IT or EK-PSC-IT-USB
	EK-PSC-DE or EK-PSC-DE-USB
	EK-PSC-FR or EK-PSC-FR-USB
	EK-PWS-UK or EK-PWS-UK-USB
c) Deep triple plate 71 series	EK-D3S-...

Description	Code
d) Deep triple plate 71 series	EK-D3P-...
e) Metal mounting support	EK-SMQ-71-1
f) Square rocker (1)	EK-T1Q-...
g) Rectangular vertical rockers (2)	EK-T2R-...
h) Square rockers (4)	EK-T4Q-...
i) Rectangular horizontal rockers (4)	EK-T4R-...
l) Triple plate adapter - Deep version*	EK-B71-1-NF
m) Single boxes for masonry walls	not delivered by Ekinex®
n) Single boxes for masonry walls	not delivered by Ekinex®
*) 60 x 60 mm window **) 55 x 55 mm window	

Electrical and USB power sockets

WALL-MOUNT DEVICES







Ekinex has paid particular attention to this detail with a special painting process that allows the socket to be colour matched to the other wall elements in its range.
The inclusion of a USB output responds to the increasingly pressing need to connect to numerous devices for home or work use.

Essential: this is the most suitable adjective to describe the power socket. From the first one invented in America by Hubbel in 1904 to the German-made Schuko dated 1926, the socket has come down to us as the silent player in our electrical systems. Ekinex has given them a new lease of life with a colourful edition that matches keyboards and touch panels. The need to connect to the electricity network has increased in recent years; the list of devices that require a power supply is virtually endless. Ekinex power sockets come to your rescue with an extensive range for the Italian and international markets. Ekinex electric sockets are also equipped with USB type A and C ports and can be used to recharge all electronic devices in homes and offices. The many colours are in perfect family feeling with the FF, 71, 20venti and Signum series and can be combined with Fenix NTM®, metal, Metal HT and plastic finishes.







Power socket and USB A-C Italian version

WALL-MOUNT DEVICES

Description

The Ekinex model EK-PWS-IT-USB and EK-PWS-IT universal Italian standard sockets are 2P+T 16 A universal type devices for wall installation, for 2P 2.5 A europlugs, 2P and 2P + E 10 A and 16 A Italian standard plugs, 2P+T 16 A German standard plugs, for powering household appliances. The EK-PWS-IT-USB model is equipped with a USB power unit, both type-A and type-C, for charging mobile phones and in general all electronic devices that can be recharged via USB sockets of the same type. Charging of two devices at the same time is allowed.

Main features

- Connection of home devices with AC 250 V ~ voltage
- Contacts protected by shutters
- Mounting on a round or square wall box
- Terminals for cables with section up to 2.5 mm²
- USB Type-A and Type-C ports for charging electronic devices such as smartphones, tablets, etc. (only for EK-PWS-IT-USB)

Technical data

- Max. rated input voltage: AC 250 V ~
- Max rated input current: 16 A
- Network frequency: 50/60 Hz
- USB output voltage (only for EK-PWS-IT-USB): DC 5 V
- USB output current (only for EK-PWS-IT-USB): 3.4 A
- Standby power (only for EK-PWS-IT-USB): ≤ 50mW
- Energy efficiency (only for EK-PWS-IT-USB): 83%
- Operating temperature: -10 ... +40 ° C (indoor use)
- Storage / transport temperature: -20 ... +50 ° C
- Protection degree : IP 20
- Safety class 2 (double insulation)
- Connection type: solid or stranded cable with 1.5 ... 2.5 mm² section
- Connection type: screw
- Mounting depth: min. 40 mm
- Technopolymer housing
- Dimensions: 70 x 70 x 44 mm (LxHxP)

Delivery

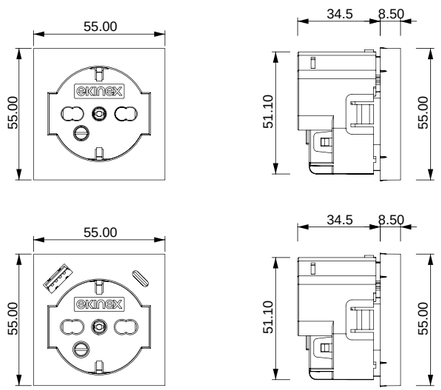
A pair of screws for installation.

Accessories

The following accessories are available for completion and must be ordered separately:

- square and double frame Form version
- square, double and triple plate with 55 x 55 mm window
- a plastic adapter

Dimensions [mm]



Order information

Code	Type	Code	Type
EK-PWS-IT	power socket - italian	EK-PWS-IT-USB	power socket - italian USB
EK-PSC-IT	rough white cover	EK-PSC-IT-USB	rough white cover
EK-PSC-IT-...	painted cover	EK-PSC-IT-USB-...	painted cover

Documentation

For more information see the technical documentation, download from **www.ekinex.com**





Power socket and USB A-C Schuko version

WALL-MOUNT DEVICES

Description

The Ekinex model EK-PWS-DE-USB and EK-PWS-DE Schuko® sockets (German standard) are 2P + T 16 A type wall installation devices, for powering household appliances. The EK-PWS-DE-USB model is equipped with a USB power unit, both type-A and type-C, for charging mobile phones and in general all electronic devices that can be recharged via USB sockets of the same type. Charging of two devices at the same time is allowed.

Main features

- Connection of home devices with AC 250 V ~ voltage
- Contacts protected by shutters
- Mounting on a round or square wall box
- Spring terminals (only for EK-PWS-DE-S)
- Terminals for cables with section up to 2.5 mm²
- USB Type-A and Type-C ports for charging electronic devices such as smartphones, tablets, etc. (only for EK-PWS-DE-USB)

Technical data

- Max. rated input voltage: AC 250 V ~
- Max rated input current: 16 A
- Network frequency: 50/60 Hz
- USB output voltage (only for EK-PWS-DE-USB): DC 5 V
- USB output current (only for EK-PWS-DE-USB): 3.4 A
- Standby power (only for EK-PWS-DE-USB): ≤ 50mW
- Energy efficiency (only for EK-PWS-DE-USB): 83%
- Operating temperature: -10 ... +40 ° C (indoor use)
- Storage / transport temperature: -20 ... +50 ° C
- Protection degree : IP 20
- Safety class 2 (double insulation)
- Connection type: solid or stranded cable with 1.5 ... 2.5 mm² section
- Connection type: screw
- Mounting depth: min. 40 mm
- Technopolymer housing
- Dimensions: 70 x 70 x 44 mm (LxHxP)
- Certifications: BS 1363 Pt 2: 2010

Delivery

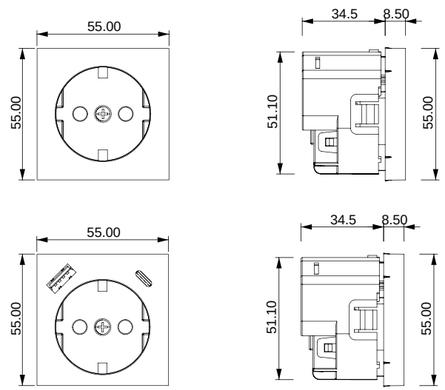
A pair of screws for installation.

Accessories

The following accessories are available for completion and must be ordered separately:

- square and double frame Form version
- square, double and triple plate with 55 x 55 mm window
- a plastic adapter

Dimensions [mm]



Order information

Code	Type	Code	Type
EK-PWS-DE	power socket - Schuko	EK-PWS-DE-USB	power socket - Schuko USB
EK-PWS-DE-S	power socket with spring terminals- Schuko		
EK-PSC-DE	rough white cover	EK-PSC-DE-USB	rough white cover
EK-PSC-DE-...	painted cover	EK-PSC-DE-USB-...	painted cover

Documentation

For more information see the technical documentation, download from **www.ekinex.com**





Power socket and USB A-C French version

WALL-MOUNT DEVICES

Description
The Ekinex EK-PWS-FR-USB and EK-PWS-FR French/Belgian standard sockets are E-type wall-mounted devices for supplying power to household appliances up to 16 A 250 V ~. The EK-PWS-FR-USB is equipped with a USB power supply unit, both type-A and type-C, for charging mobile phones and generally all electronic devices that can be charged via USB sockets of the same type. Charging of two devices at the same time is allowed.

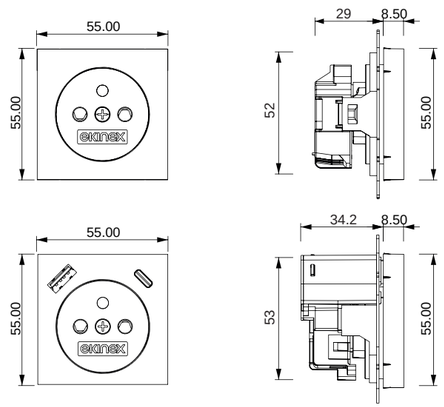
Main features
- Connection of home devices with AC 250 V ~ voltage
- Contacts protected by shutters
- Mounting on a round or square wall box
- Terminals for cables with section up to 2.5 mm²
- USB Type-A and Type-C ports for charging electronic devices such as smartphones, tablets, etc. (only for EK-PWS-FR-USB)

Technical data
- Max. rated input voltage: AC 250 V ~
- Max rated input current: 16 A
- Network frequency: 50/60 Hz
- USB output voltage (only for EK-PWS-FR-USB): DC 5 V
- USB output current (only for EK-PWS-FR-USB): 3.4 A
- Standby power (only for EK-PWS-FR-USB): ≤ 50mW
- Energy efficiency (only for EK-PWS-FR-USB): 83%
- Operating temperature: -10 ... +40 ° C (indoor use)
- Storage / transport temperature: -20 ... +50 ° C
- Protection degree : IP 20
- Safety class 2 (double insulation)
- Connection type: solid or stranded cable with 1.5 ... 2.5 mm² section
- Connection type: screw
- Mounting depth: min. 40 mm
- Technopolymer housing
- Dimensions: 70 x 70 x 44 mm (LxHxP)

Delivery
A pair of screws for installation.

Accessories
The following accessories are available for completion and must be ordered separately:
- square and double frame Form version
- square, double and triple plate with 55 x 55 mm window
- a plastic adapter

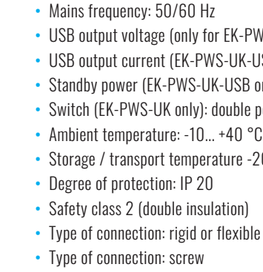
Dimensions [mm]

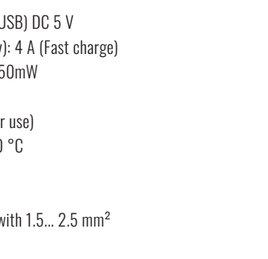


Order information

Code	Type	Code	Type
EK-PWS-FR	power socket - french	EK-PWS-FR-USB	power socket - french USB
EK-PSC-FR	rough white cover	EK-PSC-FR-USB	rough white cover
EK-PSC-FR-...	painted cover	EK-PSC-FR-USB-...	painted cover

Documentation
For more information see the technical documentation, download from **www.ekinex.com**





Power socket and USB A-C UK version

WALL-MOUNT DEVICES

Description
The Ekinex EK-PWS-UK-USB and EK-PWS-UK model UK (British standard) sockets are G-type 13 A wall-mounted devices for supplying power to household appliances. The EK-PWS-UK-USB is equipped with a USB power supply unit, both type A and type C (Fast charge), for charging mobile phones and in general all electronic devices that can be charged via USB sockets. Charging of two devices at the same time is allowed. The EK-PWS-UK is equipped with a double-pole switch for electrical disconnection.

Main features
- Connection of home devices with AC 250 V ~ voltage
- Contacts protected by shutters
- Mounting on a round or square wall box
- Terminals for cables with section up to 2.5 mm²
- USB Type-A and Type-C ports for charging electronic devices such as smartphones, tablets, etc. (only for EK-PWS-UK-USB)

Technical data
- Max. rated voltage: AC 250 V ~
- Max. rated current: 13 A
- Mains frequency: 50/60 Hz
- USB output voltage (only for EK-PWS-UK-USB) DC 5 V
- USB output current (EK-PWS-UK-USB only): 4 A (Fast charge)
- Standby power (EK-PWS-UK-USB only): ≤ 50mW
- Switch (EK-PWS-UK only): double pole
- Ambient temperature: -10... +40 °C (indoor use)
- Storage / transport temperature -20... +50 °C
- Degree of protection: IP 20
- Safety class 2 (double insulation)
- Type of connection: rigid or flexible cable with 1.5... 2.5 mm²
- Type of connection: screw
- Mounting depth: min. 40 mm
- Technopolymer cover
- Dimensions: 70 x 70 x 44 mm (WxHxD)
- Certifications: BS 1363 Pt 2: 2010

Delivery
A pair of screws for installation.

Accessories
The following accessories are available for completion and must be ordered separately:
- square and double frame Form version
- square, double and triple plate with 55 x 55 mm window
- a plastic adapter

Dimensions [mm]



Order information

Code	Type	Code	Type
EK-PWS-UK	power socket - UK	EK-PWS-DE-USB	power socket - UK USB
EK-PSC-UK	rough white cover	EK-PSC-DE-USB	rough white cover
EK-PSC-UK-...	painted cover	EK-PSC-DE-USB-...	painted cover

Documentation
For more information see the technical documentation, download from **www.ekinex.com**



Waterproof cover IP65

WALL-MOUNT DEVICES

Thanks to its strong structure and high-quality materials, the IP65 waterproof cover guarantees resistance to atmospheric agents without sacrificing the sophisticated design that distinguishes Ekinex products.

Available colour solutions

	Waterproof cover IP65	Standard	USB A/C	20venti series*	71 series
	Plate	Front socket cover*		Rockers	
Raw plastic	–	•	•	–	–
Technopolymer	–	•	•	•	•
Metal	•	•	•	•	•
Metal HT	•	•	•	•	•
Fenix NTM®	•	•	•	•	•

* The metal or Fenix NTM® colour effect is achieved by painting
For more information see page 263

20VENTI SERIES


WPC + 20VENTI SERIES pushbuttons - 8 ROCKERS


WPC + 20VENTI SERIES pushbuttons - 10 ROCKERS

71 SERIES


WPC + 71 SERIES pushbuttons - 1 SQUARE ROCKER


WPC + 71 SERIES pushbuttons - 2 VERTICAL ROCKERS


WPC + 71 SERIES pushbuttons - 4 SQUARE ROCKERS


WPC + 71 SERIES pushbuttons - 4 HORIZONTAL ROCKERS

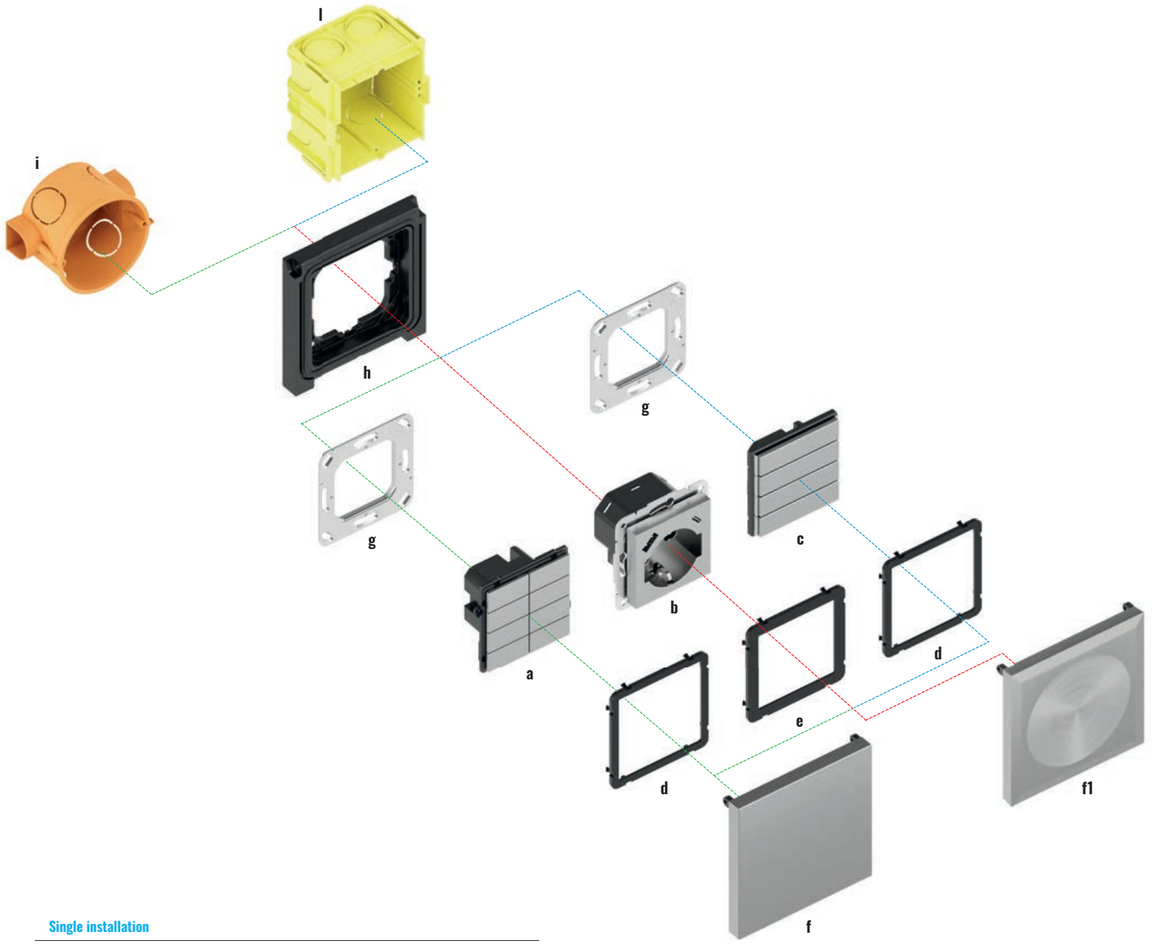
POWER SOCKETS


WPC - IT SOCKET


WPC - SCHUKO SOCKET


WPC - FR SOCKET


WPC - UK SOCKET



Single installation

Description	Code
a) 20venti series pushbutton (8 rockers)	EK-E2E-TP-8
a) Power socket (55 x 55 mm module)	EK-PWS-.. o EK-PWS-..-USB
a) 71 series pushbutton	EK-E13-TP-..
d) Adapter for 20venti and 71 series pushbuttons	EK-A60-B
e) Adapter for power and USB A-C socket	EK-A55-B
f) Square waterproof cover plate	EK-DQW-...
f) Square waterproof cover plate ERA series	EK-DWE-...
g) Square mounting bracket	EK-SMQ-71-1
h) Waterproof cover	EK-AWC-IP-B
i) Round flush-mounted box	not supplied by Ekinex®
l) Square flush-mounted box	not supplied by Ekinex®

Waterproof cover IP65

WALL-MOUNT DEVICES



Imagine an object capable of withstanding the elements with elegance, discreetly and stylishly protecting the most delicate elements of your smart home.
The new IP65 Waterproof Cover from Ekinex is just that: a flawless fusion of refined aesthetics and advanced functionality.



Thanks to its robust structure and high-quality materials, the waterproof cover guarantees resistance to atmospheric agents without sacrificing the sophisticated design that distinguishes Ekinex products. It offers IP65 protection, making it ideal for outdoor applications and industrial or residential environments with high safety requirements. Perfect for those looking for a reliable, functional and aesthetically flawless solution, the waterproof cover is the perfect combination of protection, innovation and style.



Waterproof cover IP65 power and USB A-C sockets

WALL-MOUNT DEVICES

Description
Thanks to its robust structure and high-quality materials, the waterproof cover guarantees resistance to atmospheric agents without sacrificing the sophisticated design that distinguishes Ekinex products. It offers IP65 protection, making it ideal for outdoor applications and industrial or residential environments with high safety requirements. Perfect for those looking for a reliable, functional and aesthetically flawless solution, the waterproof cover is the perfect combination of protection, innovation and style.

IP waterproof certifications
- Standard: IEC 60529
- Function: Protection against foreign bodies (solids and liquids)
- Abbreviation 'IP' followed by two digits:
  First digit: Resistance to solids
  Second digit: Resistance to liquids

Main features

Ergonomic design
- Hinge opening system for practical and safe use, without compromising accessibility to the socket

Premium materials
- Robust structure with high-quality finishes for perfect integration into any architectural context.

Universal compatibility
- Suitable for Ekinex socket standards, ensuring aesthetic and functional continuity in advanced home automation projects.

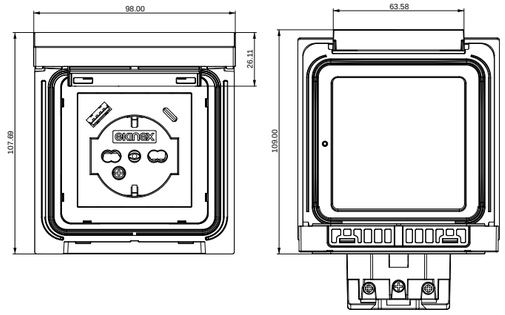
Guaranteed protection
- Dust resistant (partial, not harmful)
- Resistant to direct water jets

Applications
- Outdoor areas: verandas, courtyards, marine areas
- Damp areas: saunas, bathrooms, swimming pools

Specific regulations
- Mandatory in Israel for electrical outlets in bathrooms

Accessories
The following devices are available separately to complete the system:
- power and USB A-C sockets

Dimensions [mm]



Order information

Code	Type
EK-AWC-IP-B	waterproof cover IP65
EK-DQW-...	painted metal plate
EK-K55-B	adapter frame (power and USB A-C sockets)

Documentation
For more information see the technical documentation, download from **www.ekinex.com**





Waterproof cover IP65 20venti and 71 series pushbuttons

WALL-MOUNT DEVICES

Description
Thanks to its robust structure and high-quality materials, the waterproof cover guarantees resistance to atmospheric agents without sacrificing the sophisticated design that distinguishes Ekinex products. It offers IP65 protection, making it ideal for outdoor applications and industrial or residential environments with high safety requirements. Perfect for those looking for a reliable, functional and aesthetically flawless solution, the waterproof cover is the perfect combination of protection, innovation and style.

IP waterproof certifications
- Standard: IEC 60529
- Function: Protection against foreign bodies (solids and liquids)
- Abbreviation 'IP' followed by two digits:
  First digit: Resistance to solids
  Second digit: Resistance to liquids

Main features

Ergonomic design
- Hinge opening system for practical and safe use, without compromising accessibility to the socket

Premium materials
- Robust structure with high-quality finishes for perfect integration into any architectural context.

Universal compatibility
- Suitable for Ekinex socket standards, ensuring aesthetic and functional continuity in advanced home automation projects.

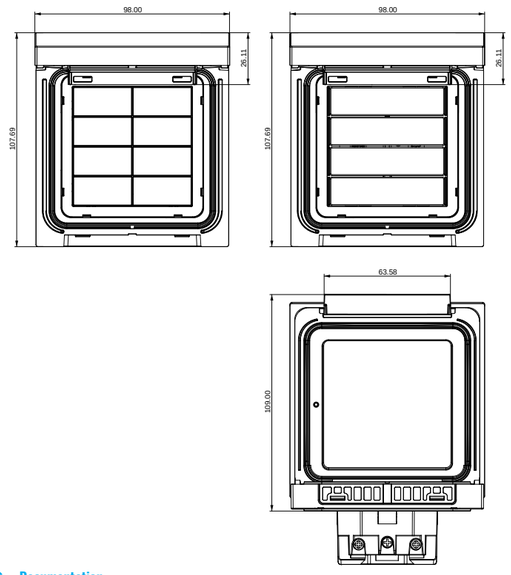
Guaranteed protection
- Dust resistant (partial, not harmful)
- Resistant to direct water jets

Applications
- Outdoor areas: verandas, courtyards, marine areas
- Damp areas: saunas, bathrooms, swimming pools

Specific regulations
- Mandatory in Israel for electrical outlets in bathrooms

Accessories
The following devices are available separately to complete the system:
- 20venti series pushbutton (8 rockers)
- 71 series pushbutton

Dimensions [mm]



Order information

Code	Type
EK-AWC-IP-B	waterproof cover IP65
EK-DQW-...	painted metal plate
EK-K60-B	adapter frame (20venti series 8 rockers and 71 series pushbuttons)

Documentation
For more information see the technical documentation, download from **www.ekinex.com**



Keystone System ERA/Proxima series

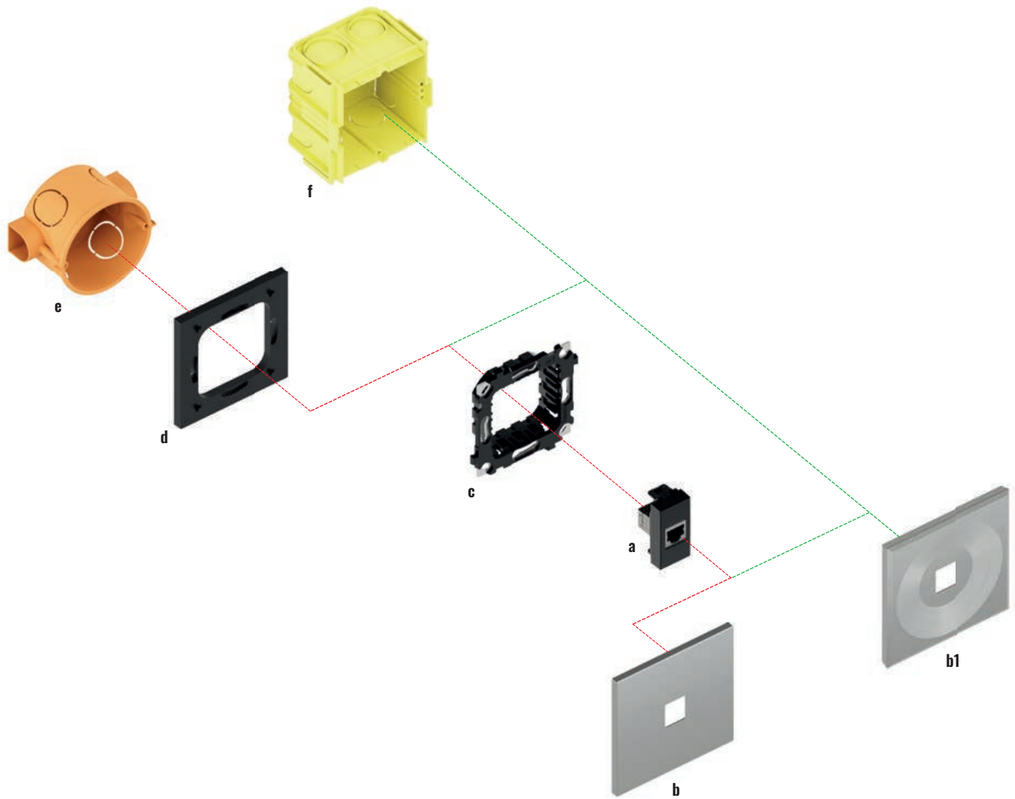
WALL-MOUNT DEVICES

The new Keystone modules in the ERA/Proxima series represent an advanced and versatile solution for integrating network, multimedia and antenna systems into KNX home automation systems. Designed with a modular layout and compatible with the Ekinex residential series, these modules offer simple installation and refined aesthetics.

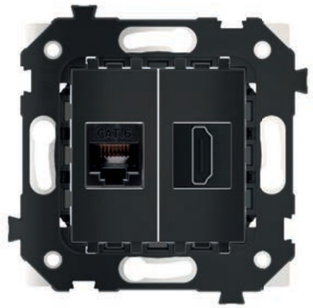
Available finishes

	ERA	Proxima
	Plates	Plates
Metal	•	•
Metal HT	-	•

For more information see page 263







Keystone System Proxima series

WALL-MOUNT DEVICES

Description

The keystone holder is an element designed to hold Keystone plugs and ensures versatility and practical installations. It is manufactured in anthracite grey (RAL 7016) and blends perfectly into modern environments.

Accessories

The following accessories are available as additions and must be ordered separately:

- Square magnetic plate EK-PQA-K-... EK-PQA-P-... EK-DEA-K-... EK-DEA-P-...
- Bracket EK-SMP-71-1
- Keystone accessories

Keystone module types



EK-KSM-HDMI-BL



EK-KSM-TVF-BL



EK-KSM-2USBC



EK-KSM-RJ45-BL



EK-KSM-PLUG-...



EK-KSM-PLUG-...

Single installation

Description	Code
a) Keystone module	EK-KSM-HDMI-..
	EK-KSM-TVF-..
	EK-KSM-2USBC
	EK-KSM-RJ45-..
	EK-KSM-TVM-..
	EK-KSM-PLUG-...

Description	Code
b) Proxima keystone square magnetic plate	EK-PQA-K-...
b1) ERA keystone square magnetic plate	EK-DEA-K-...
c) Square mounting bracket	EK-SMP-71-1
d) Bracket for compatibility with round flush-mount boxes	EK-SMP-Q-1
e) Round flush-mount box	not supplied by Ekinex®
f) Square flush-mount box	not supplied by Ekinex®

Order information

Code	Type	Colour	Code	Type	Colour
EK-KSM-HDMI-WH	HDMI connector female/female	white	EK-KSM-RJ45-WH	RJ45 cat.6 UTP connector	white
EK-KSM-HDMI-BL		black	EK-KSM-RJ45-BL		black
EK-KSM-TVF-WH	coaxial TV-SAT socket F female connector	white	EK-KSM-TVM-WH	coaxial TV socket connector IEC male	white
EK-KSM-TVF-BL		black	EK-KSM-TVM-BL		black
EK-KSM-2USBC	double USB-C socket*	black	EK-KSM-PLUG-...	blanking plug	painted
Not available for dual keystone configuration					

Documentation

For more information see the technical documentation, download from **www.ekinex.com**



Keystone system

WALL-MOUNT DEVICES

The Keystone system is a versatile modular connection system that can be used for numerous applications. Ekinex presents various modules such as HDMI cables, RJ45 8/8 sockets, SAT/Antenna, etc. that can solve any connection requirement.

Available colour solutions

	Form	Flank	'NF	Deep	Surface	Keystone system
	Frames		Plates			Front cover*
Raw plastic	–	–	–	–	–	•
Technopolymer	•	•	•	•	–	•
Metal	•	•	•	•	•	•
Metal HT	–	–	–	•	•	•
Fenix NTM®	–	–	•	•	•	•

* The metal or Fenix NTM® colour effect is achieved by painting
For more information see page 263

FORM 'NF



80 x 80 x 8 mm

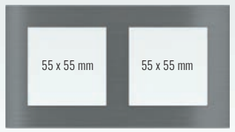


151 x 80 x 8 mm

DEEP



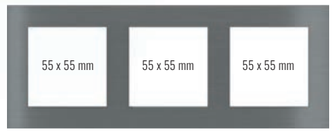
87 x 87 x 9 mm



158 x 87 x 9 mm



158 x 87 x 9 mm

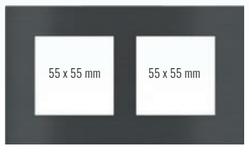


229 x 87 x 9 mm

SURFACE



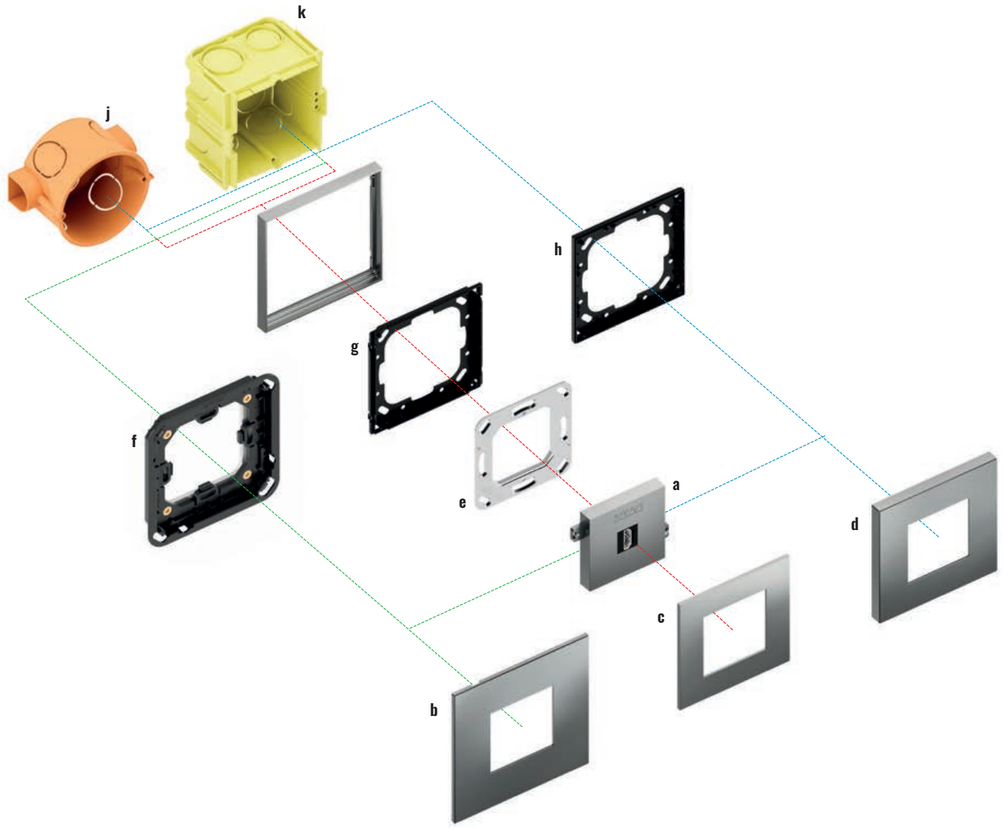
98 x 98 x 3 mm



168 x 98 x 3 mm



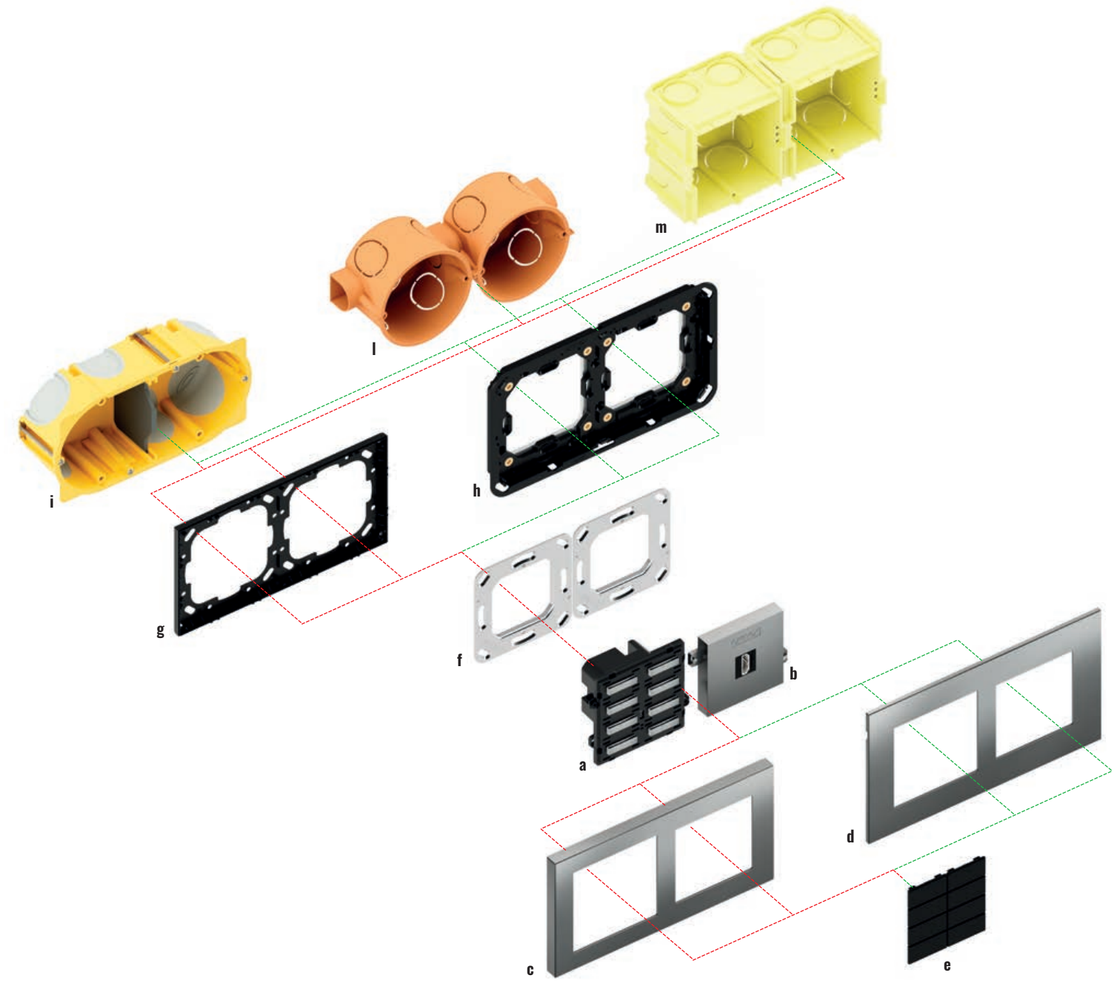
168 x 98 x 3 mm



Single installation

Description	Code
a) Keystone system (55 x 55 mm module)	EK-KS_-...
b) Surface square plate*	EK-SQG-...
c) Square plate*	EK-PQG-...
d) Deep square plate*	EK-DQG-...
e) Metal mounting support	EK-SMQ-71-1
f) Adapter for square Surface plate	EK-TAS-Q-W or EK-TAS-Q-N
g) Adapter for square plate Form frames	EK-TAQE-1

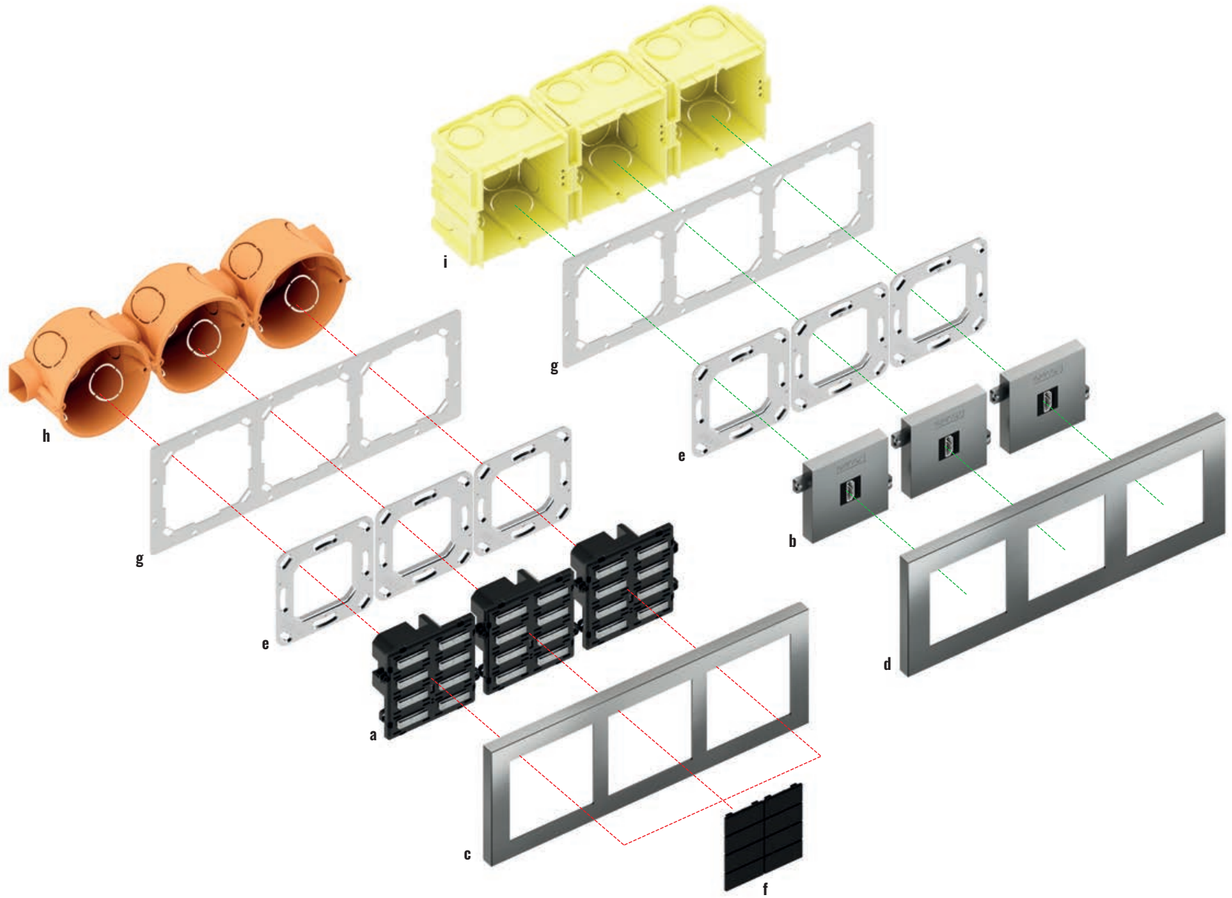
Description	Code
g) Adapter for square plate 'NF and Deep version	EK-TAQ-NF
h) Square frame of Flank version	EK-FLQ-...
i) Square frame of Form version	EK-FOQ-...
l) Round built-in box	not delivered by Ekinex®
m) Square built-in box	not delivered by Ekinex®
*) 55 x 55 mm window	



Double installation with centre distance 71 mm (20venti series)

Description	Code
a) 20venti pushbutton	EK-E2E-TP-...
b) Keystone system (55 x 55 mm module)	EK-KS_-...
c) Deep double plate*	EK-D2G-...
d) Surface double plate*	EK-S2G-...
e) Horizontal rectangular keys (8)	EK-T4R-20-...
f) Metal mounting support	EK-SMQ-71-1

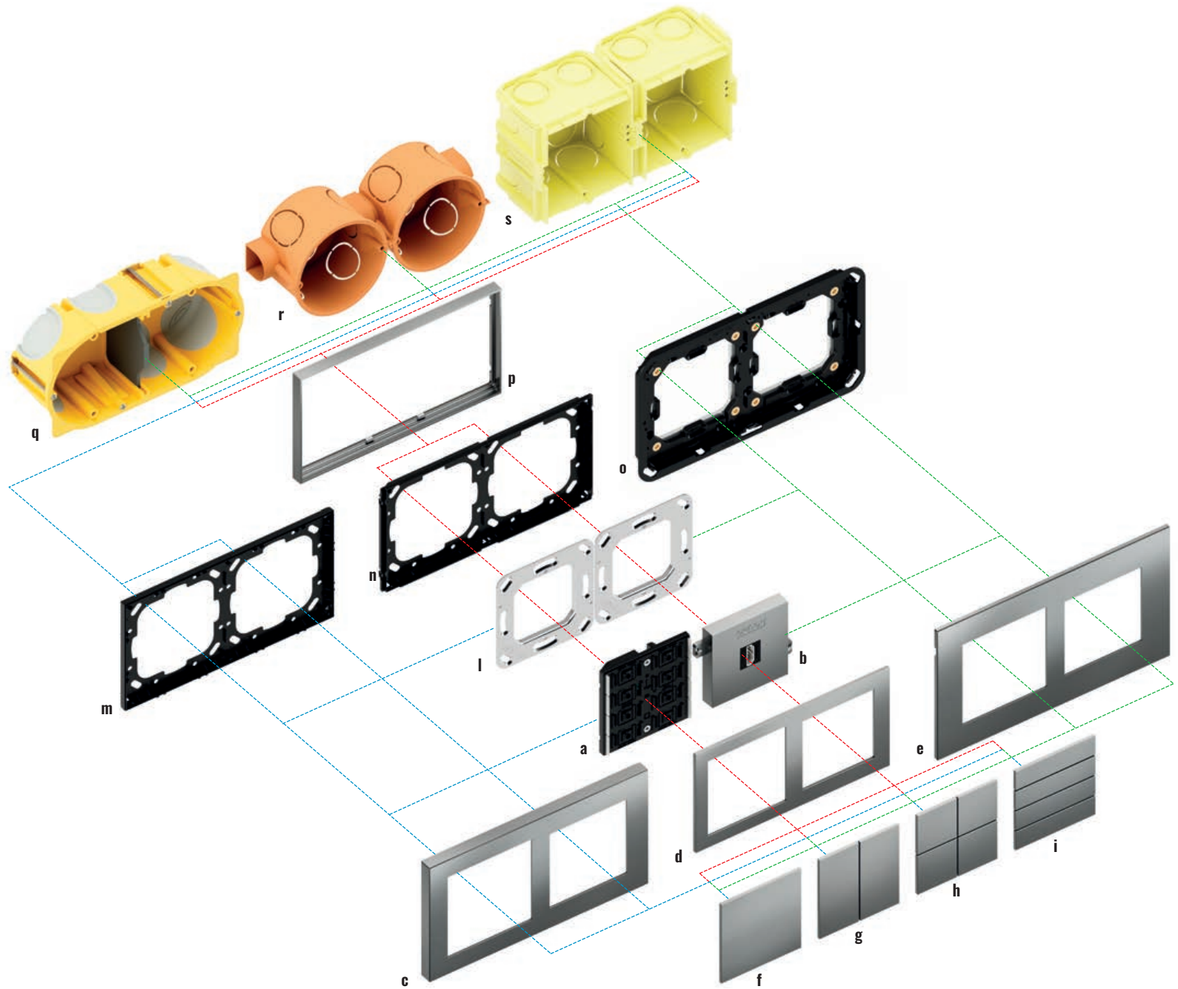
Description	Code
g) Double adapter for frame-free installation	EK-A71E-1-NF
h) Double adapter for Surface double plate	EK-TAS-D-W or EK-TAS-D-N
i) Double box for walls up to 35 mm	not delivered by Ekinex®
l) Single boxes for masonry walls	not delivered by Ekinex®
m) Single boxes for masonry walls	not delivered by Ekinex®
*) 60 x 60 mm + 55 x 55 mm window	



Triple installation with centre distance 71 mm (20venti series)

Description	Code
a) Pushbutton 20venti series	EK-E2E-TP-...
b) Keystone system (55 x 55 mm module)	EK-KS_-...
c) Deep triple plate*	EK-D3S-...
d) Deep triple plate**	EK-D3P-...
e) Metal mounting support	EK-SMQ-71-1
f) Horizontal rectangular keys (8)	EK-T4R-20-...

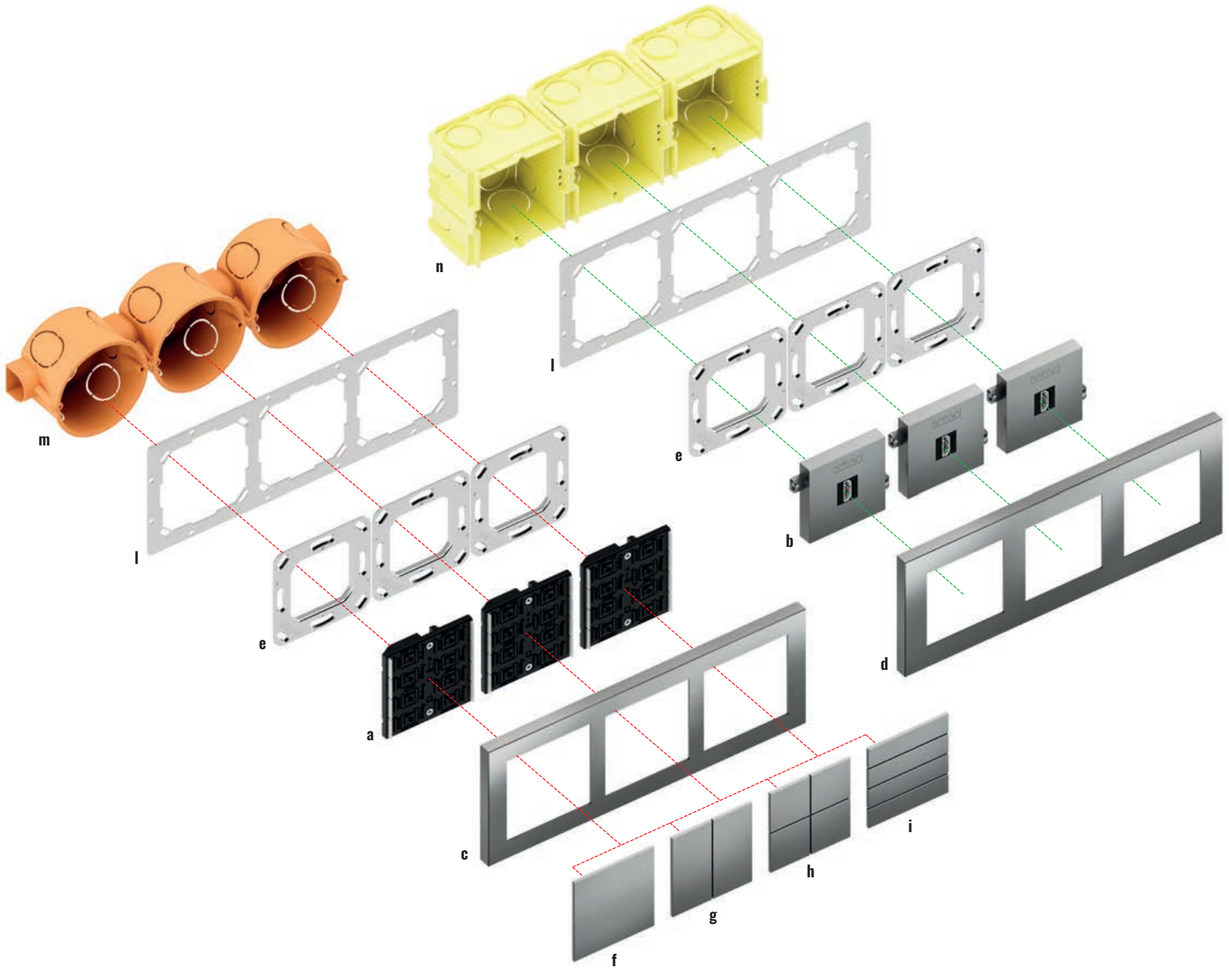
Description	Code
g) Triple plate adapter - Deep version	EK-B71-1-NF
h) Single boxes for masonry walls	not delivered by Ekinex®
i) Single boxes for masonry walls	not delivered by Ekinex®
*) 60 x 60 mm window **) 55 x 55 mm window	



Double installation with centre distance 71 mm (71 series)

Description	Code
a) Pushbutton 71 series	EK-E13-TP-... o EK-E23-TP-...
b) Keystone system (55 x 55 mm module)	EK-KS_-...
c) Deep double plate	EK-D2G-...
d) Double plate	EK-P2G-...
e) Surface double plate	EK-S2G-...
f) Square rocker (1)	EK-T1Q-...
g) Rectangular vertical rockers (2)	EK-T2R-...
h) Square rockers (4)	EK-T4Q-...
i) Rectangular horizontal rockers (4)	EK-T4R-...
l) Metal mounting support	EK-SMQ-71-1

Description	Code
m) Double adapter for frame-free installation	EK-A71E-1-NF
n) Adapter for double plate with a Form frame	EK-A71E
o) Double adapter for Surface double plate	EK-TAS-D-...
p) Form version double frame	EK-FO2-...
q) Double box for walls up to 35 mm	not delivered by Ekinex®
r) Single boxes for masonry walls	not delivered by Ekinex®
s) Single boxes for masonry walls	not delivered by Ekinex®
*) 60 x 60 mm + 55 x 55 mm window	



Triple installation with centre distance 71 mm (71 series)

Description	Code
a) Pushbutton 71 series	EK-E13-TP-... o EK-E23-TP-...
b) Keystone system (55 x 55 mm module)	EK-KS_-...
c) Deep triple plate 71 series	EK-D3S-...
d) Deep triple plate 71 series	EK-D3P-...
e) Metal mounting support	EK-SMQ-71-1
f) Square rocker (1)	EK-T1Q-...
g) Rectangular vertical rockers (2)	EK-T2R-...

Description	Code
h) Square rockers (4)	EK-T4Q-...
i) Rectangular horizontal rockers (4)	EK-T4R-...
l) Triple plate adapter - Deep version*	EK-B71-1-NF
m) Single boxes for masonry walls	not delivered by Ekinex®
n) Single boxes for masonry walls	not delivered by Ekinex®
*) 60 x 60 mm window **) 55 x 55 mm window	

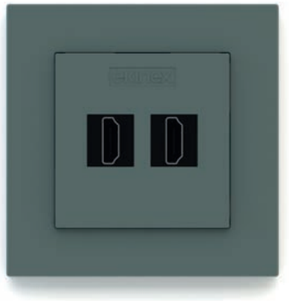
Keystone System

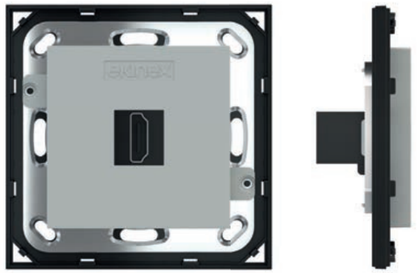
WALL-MOUNT DEVICES



Keystone modules compatible with Ekinex wiring devices. Wide range of devices to integrate network systems, multimedia systems and antenna systems. The front covers can be declined in the various colours available, thanks to a special painting process that allows them to be chromatically matched to the other wall devices.

Keystone modules are compatible with Ekinex wiring devices and offer the possibility of numerous customizations, able to meet the most different needs. A wide range of devices is available to integrate network, multimedia and antenna systems. The standard dimensions allow an easy installation. They are completed with a square, double or triple plate with window dimension 55 x 55 mm, able to accommodate one or more modules.
Covers are available in plastic material, in numerous color and finish variations. Technopolymer caps are available to cover unused spaces.





Keystone System

WALL-MOUNT DEVICES

Description
Keystone modules compatible with Ekinex wiring devices. Wide range of devices to integrate network systems, multimedia systems and antenna systems.

Main features
- Usage: indoor
- IP Protection: IP20
- Material: Technopolymer

Technical data
- Dimensions (WxDxH): approx. 29.7 x 21.9 x 17.4 mm
- Operating temperature -10° to +60°.
- Packaging temperature -40° to +70° C
- Permissible humidity 10 to 90
- Certificates: CE & RoHS

Delivery
Two pair of screws for installation.

Accessories
The following accessories are available to complete and to be ordered separately:
- Square and double frame Form version
- Square, double and triple plate with 55 x 55 mm window
- a plastic adapter
- a metal support for installation onto round or square mounting box (fixing holes 60 mm apart)



HDMI (white or black colour)

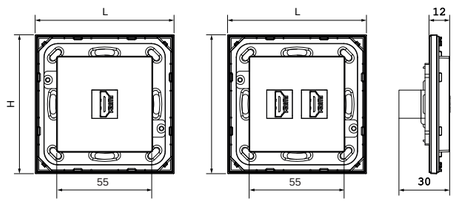
SAT (white or black colour)



ETHERNET RJ45 (white or black colour)

ANTENNA (white or black colour)

Dimensions [mm]



Mounting with frame: 81 x 77 (L x H)
Mounting without frame ('NF): 80 x 80 (L x H)

Order information

Code	Type	Color	Code	Type	Color
EK-KSC-1K	1 connector cover	Raw White	EK-KSC-1K-...	1 connector cover	Painted
EK-KSC-2K	2 connectors cover	Raw White	EK-KSC-2K-...	2 connectors cover	Painted
EK-KSM-HDMI-WH	HDMI female/female connector	White	EK-KSM-RJ45-WH	RJ45 connector cat.6 UTP	White
EK-KSM-HDMI-BL		Black	EK-KSM-RJ45-BL		Black
EK-KSM-TVF-WH	TV-SAT coaxial socket F female connector	White	EK-KSM-TVM-WH	Coaxial TV socket IEC male connector	White
EK-KSM-TVF-BL		Black	EK-KSM-TVM-BL		Black
EK-KSM-PLUG-WH	Blind plug	White	EK-KSM-PLUG-BL	Blind plug	Black

Documentation
For more information see the technical documentation, download from **www.ekinex.com**





Accessories

WALL-MOUNT DEVICES

Ekinex has developed a series of accessories for the mounting of its KNX wall and panel mounting products such as: frames, rockers and plates, adapter frames, mounting brackets, templates, bus cables and clamps.

Available colour solutions

	Form	ERA	'NF	Deep	Surface	Proxima	ERA	FF	71	20venti	Proxima	ERA
	Frames		Plates					Rockers				
Tecnopolimero	•	–	•	•	–	–	–	•	•	•	–	–
Metallo	•	•	•	•	•	•	•	•	•	–	•	•
Metal HT	–	–	–	•	•	•	–	•	•	–	•	–
Fenix NTM®	–	–	•	•	•	–	–	•	•	–	–	–

For more information see page 263







Rockers for pushbuttons ERA series

WALL-MOUNT DEVICES

Description

Rockers to be used as an operating surface for the ERA series button. The rockers are available in 5 colour and material variants and are passive components.

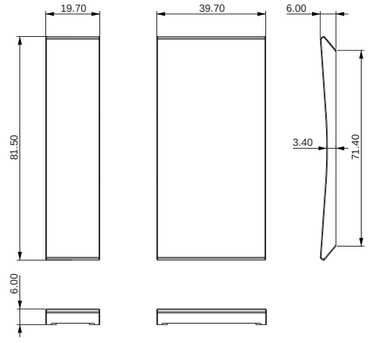
Main features

- Metal alloy with metal finish
- Snap-on mounting on ERA series pushbuttons

Order

Base-codes must be completed by adding extensions for material, colour and finishing (3 characters).

Dimensions [mm]



Order information

Code	Modularity L x H [mm]	For use with	Package
EK-T2V-...	vertical rectangular 39.7 x 81.5	1-channel pushbutton ERA series	1 pcs.
EK-TEV-2-...	vertical rectangular 19.7 x 81.5	2-channel pushbutton ERA series	2 pcs.
EK-TEV-4-...	vertical rectangular 19.7 x 81.5	4-channel pushbutton ERA series	4 pcs.









Rockers for pushbuttons Proxima series

WALL-MOUNT DEVICES

Description

Rockers for use as an actuation surface for the Proxima series pushbutton.
Rockers are available in numerous colours and materials and are passive components.

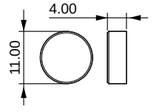
Main features

- Metal alloy with metal finish or Metal HT
- Snap-on mounting on Proxima series pushbuttons

Order

Base-codes must be completed by adding extensions for material, colour and finishing (3 characters).

Dimensions [mm]



Order information

Code	Modularity Ø [mm]	For use with	Package
EK-TTP-1-...	round 11 mm	1-channel pushbutton Proxima series	1 pcs.
EK-TTP-2-...		2-channel pushbutton Proxima series	2 pcs.
EK-TTP-4-...		4-channel pushbutton Proxima series	4 pcs.







Rockers for pushbuttons 20venti series

WALL-MOUNT DEVICES

Description

Rockers for use as operation surface for pushbuttons of 20venti series. Rockers are available in several colour and material variations and are passive components.

Versions

- rectangular with 30 x 15 mm modularity

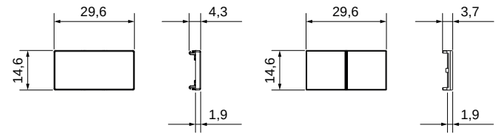
Main features

- In plastic material
- Snap-on mounting
- Customizable with symbols and text backlit by RGB LED

Order

Base-codes must be completed by adding extensions for material, colour and finishing (3 characters) plus symbols and text (3 characters).

Dimensions [mm]

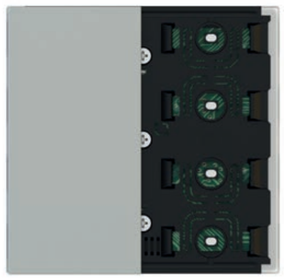


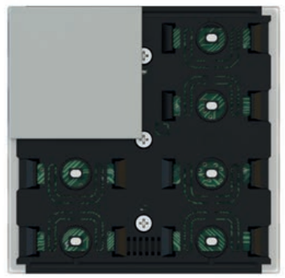
Order information

Code	Modularity * L x H [mm]	For use with	Package
EK-T4R-20-...	rectangular 30 x 15 symbol/text backlit RGB	pushbutton 20venti series	4 pcs.
EK-T4R-20-MA09	rectangular 30 x 15 status led backlit RGB		
EK-T2B-20-...	rectangular 30 x 15 for adjustments RGB		1 pcs.
EK-T8R-20-TR	rectangular 30 x 15 transparent		8 pcs.

*) The modularity indicated also takes into account the distance between the rockers and between rockers and light-guides and, therefore, differs slightly from the actual size of the single rockers









Rockers for 4-fold pushbuttons FF series

WALL-MOUNT DEVICES

Description

Rockers for use as operation surface for 4-fold pushbuttons of FF series. They can perform two independent functions by acting on either its upper or lower zones (square and vertical rectangular versions) or on either its left or right zones (horizontal rectangular versions). Rockers are available in several colour and material variations and are passive components.

Versions

- square with 40 x 40 mm modularity
- horizontal rectangular with 80 x 20 mm modularity
- vertical rectangular with 40 x 80 mm modularity

Order information

Code	Modularity * L x H [mm]	For use with **	Package
EK-TQQ-...	square 40 x 40	4-fold pushbutton FF series	4 pcs.
EK-TRV-...	vertical rectangular 40 x 80		2 pcs.
EK-TRO-...	horizontal rectangular 80 x 20		4 pcs.

*) The modularity indicated also takes into account the distance between the rockers and between rockers and light guides and, therefore, differs slightly from the actual size of the single rockers
**) The actual functioning as pushbutton with 2 or 4 channels depends on the configuration of the device parameters carried out with ETS



Main features

- In plastic material, aluminium, Metal HT or Fenix NTM®
- Snap-on mounting
- Customizable with symbols and text

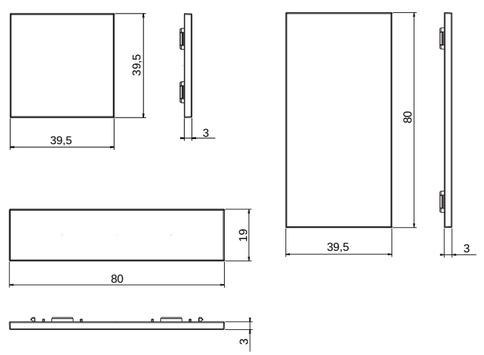
Delivery

Delivery includes a tool for rockers removal.

Order

Base-codes must be completed by adding extensions for material, colour and finishing (3 characters) plus symbols and text (3 characters).

Dimensions [mm]





Rockers for 6-fold pushbuttons and Touch&See FF series

WALL-MOUNT DEVICES

(PHASE OUT)

Description
Rockers for use as operation surface for 6-fold pushbuttons and Touch&See with 2-fold pushbutton of FF series. They can perform two independent functions by pressing on either its upper or lower zones. Rockers are available in several colour and material variations and are passive components.

Versions
- square with 40 x 40 mm modularity

Main features
- In plastic material, aluminium, Metal HT or Fenix NTM®
- Snap-on mounting
- Customizable with symbols and text

Delivery
Delivery includes a tool for rockers removal.

Order
Base-codes must be completed by adding extensions for material, colour and finishing (3 characters) plus symbols and text (3 characters).

Dimensions [mm]



Order information

Code	Modularity [mm]	For use with	Package
EK-TQQ-...	square 40 x 40	6-fold pushbutton of FF series	4 pcs.
		Touch&See of FF series	



Set 2 rockers for room thermostats FF series

WALL-MOUNT DEVICES

Description
Set rockers for use as operation surface for room thermostats of FF series. They can perform two independent functions by acting on either its upper or lower zones. Rockers are available in several colour and material variations and are passive components.

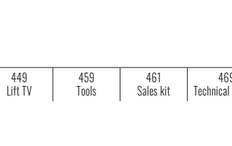
Versions
- square with 40 x 40 mm modularity

Main features
- In plastic material, aluminium, Metal HT or Fenix NTM®
- Snap-on mounting
- Customized with symbols for room thermostat functions

Delivery
Delivery includes a tool for rockers removal.

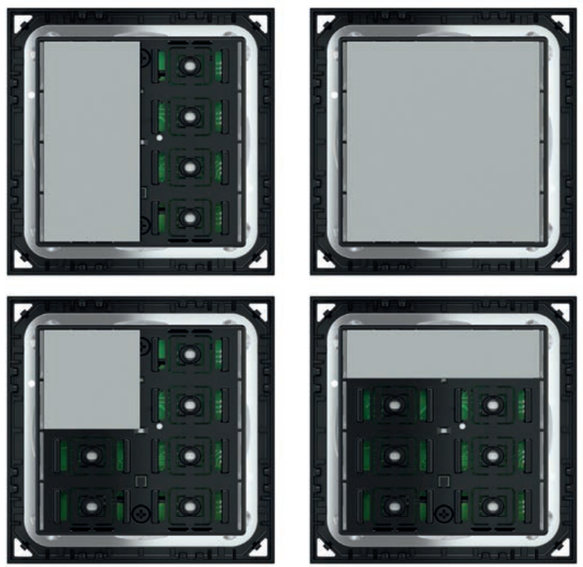
Order
Base-codes must be completed by adding extensions for material, colour and finishing (3 characters).

Dimensions [mm]



Order information

Code	Modularity [mm]	For use with	Package.
EK-TQQ-...-EP2	square 40 x 40	room thermostats of FF series	2 pcs.



Rockers for 4-fold pushbuttons 71 series

WALL-MOUNT DEVICES

Description

Rockers for use as operation surface for pushbuttons of 71 series. They can perform two independent functions by acting on either its upper or lower zones (square and vertical rectangular versions) or on either its left or right zones (horizontal rectangular versions). Rockers are available in several colour and material variations and are passive components.

Versions

- square with 60 x 60 mm or 30 x 30 mm modularity
- rectangular with 30 x 60 mm or 60 x 15 mm modularity

Main features

- In plastic material, aluminium, Metal HT or Fenix NTM®
- Snap-on mounting
- Customizable with symbols and text

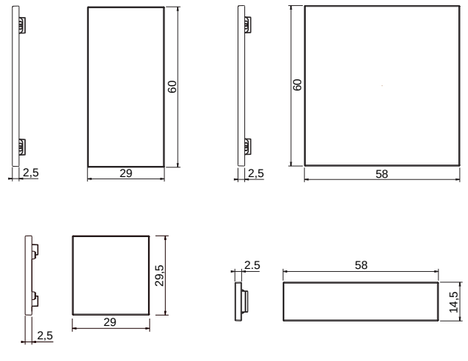
Order

Base-codes must be completed by adding extensions for material, colour and finishing (3 characters) plus symbols and text (3 characters).

Note

Finishing off a 71 series pushbutton with a square rocker with 60 x 60 mm modularity does not allow the use of the integrated brightness sensor.

Dimensions [mm]



Order information

Code	Modularity * L x H [mm]	For use with **	Package
EK-T1Q-...	square 60 x 60	pushbuttons of 71 series	1 pcs.
EK-T2R-...	vertical rectangular 30 x 60		2 pcs.
EK-T4Q-...	square 30 x 30		4 pcs.
EK-T4R-...	horizontal rectangular 60 x 15		4 pcs.

*) The modularity indicated also takes into account the distance between the rockers and between rockers and light-guides and, therefore, differs slightly from the actual size of the single rockers
**) The actual functioning as pushbutton with 1, 2 or 4 channels depends on the configuration of the device parameters carried out with ETS



Full front cover for Multisensor

WALL-MOUNT DEVICES

Description

Front cover for Multisensor available in several colour and material variations.

Versions

- square with 60 x 60 mm modularity

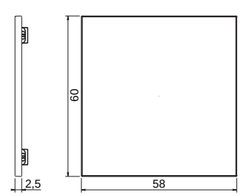
Main features

- In plastic material, aluminium, Metal HT or Fenix NTM®
- Snap-on mounting

Order

Base-codes must be completed by adding extensions for material, colour and finishing (3 characters).

Dimensions [mm]



Order information

Code	Modularity * L x H [mm]	For use with	Package
EK-T1Q-...-ET2	square 60 x 60	Multisensor EK-ET3-TP	1 pcs.
EK-T1Q-...-ES2		Multisensor EK-ES3-TP	

*) The modularity indicated also takes into account the distance between the front cover and light-guides and, therefore, differs slightly from the actual size of the cover

Rockers removal accessory

WALL-MOUNT DEVICES



Description

New rockers removal accessory for wall-mounted devices FF and 71 series.

Order information

Code	For use with	Package
EK-AST-1	FF/71 series rockers removal	1 pcs.

Hole cover

WALL-MOUNT DEVICES



Description

Hole cover (55x55 mm).

Order information

Code	Modularity L x H [mm]	Package
EK-A55-...	square 55 x 55	1 pcs.



Thermoformed protection for Ekinex pushbuttons

WALL-MOUNT DEVICES

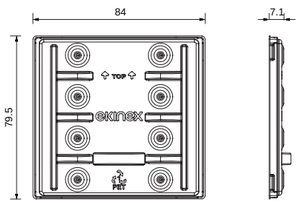
Description

Building site protection in transparent thermoformed plastic material for Ekinex® pushbuttons FF, 71, 20venti series. The use of the protection prevents soiling of the devices caused by painting. The reliefs in correspondence with each rocker allow the pushbutton to be operated even with the protection present.

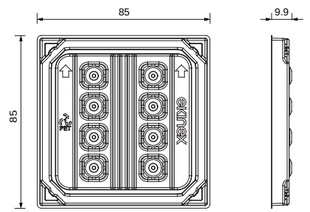
Order information

Code	For use with	Package
EK-PTC-5-FF	devices of FF series	5 pcs.
EK-PTC-5-20-DE	devices of 20venti Deep series	
EK-PTC-5-71-DE	devices of 71 Deep series	
EK-PTC-5-20-SU	devices of 20venti Surface series	
EK-PTC-5-71-SU	devices of 71 Surface series	

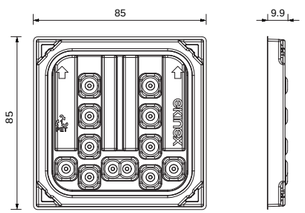
Dimensions [mm] - FF series



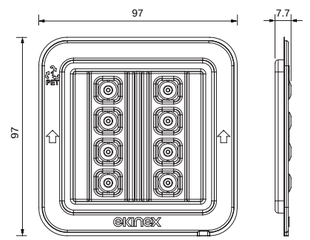
Dimensions [mm] - 71 Deep series



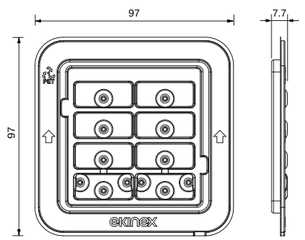
Dimensions [mm] - 20venti Deep series

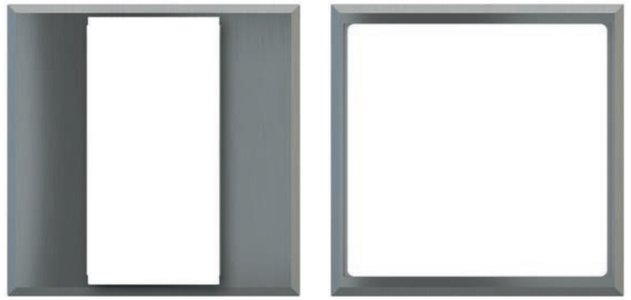


Dimensions [mm] - 71 Surface series



Dimensions [mm] - 20venti Surface series





Square frame ERA series

WALL-MOUNT DEVICES (PUSHBUTTONS)

Description

Square frames for completing Ekinex ERA series devices (pushbuttons). Available in numerous colours and materials.

Main features

- Mounting on round flush-mounted boxes (centre-to-centre distance of fixing holes: 60 mm)
- Made of metal alloy with metal finish
- Magnetic mounting on adapter

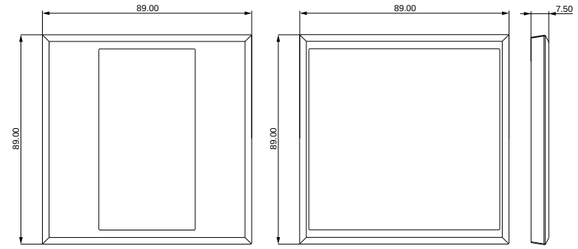
Order information

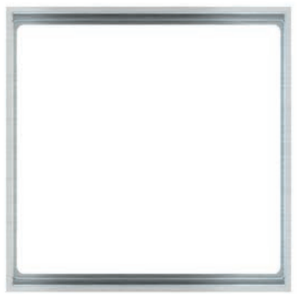
Code	For use with	Package
EK-FOD-...	pushbutton (1 rocker)	1 pcs.
	pushbutton (2 rockers)	
EK-FOE-...	pushbutton (4 rockers)	

Order

The code must be completed with extensions relating to material, colour and finish (3 characters).

Dimensions [mm]





Square frame Form version

WALL-MOUNT DEVICES

Description
Square frame of Form version for finishing Ekinex® devices of FF and 71 series. Available in several colours and materials.

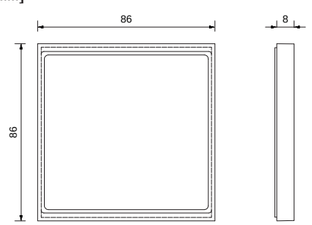
Main features
- In plastic material or aluminium
- Snap-on mounting

Order information

Code	Dimensions L x H x P [mm]	For use with	Package
EK-FOQ-...	86 x 86 x 8	devices of FF and 71 series	1 pcs.

Order
Base-codes (EK-FOQ) must be completed by adding extensions for material, colour and finishing (3 characters).

Dimensions [mm]





Rectangular frame Form version

WALL-MOUNT DEVICES

Description
Rectangular frame of Form version for finishing Ekinex® devices of FF and 71 series. Available in several colours and materials.

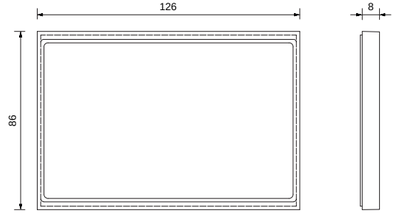
Main features
- In plastic material or aluminium
- Snap-on mounting

Order information

Code	Dimensions L x H x P [mm]	For use with	Package
EK-FOR-...	126 x 86 x 8	devices of FF and 71 series	1 pcs.

Order
Base-codes (EK-FOR) must be completed by adding extensions for material, colour and finishing (3 characters).

Dimensions [mm]





Double frame Form version

WALL-MOUNT DEVICES

Description
Double frame of Form version for finishing Ekinex® devices of 71 series. Available in several colours and materials.

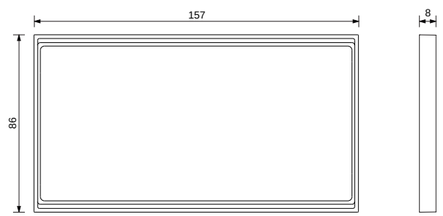
Main features
- In plastic material or aluminium
- Snap-on mounting

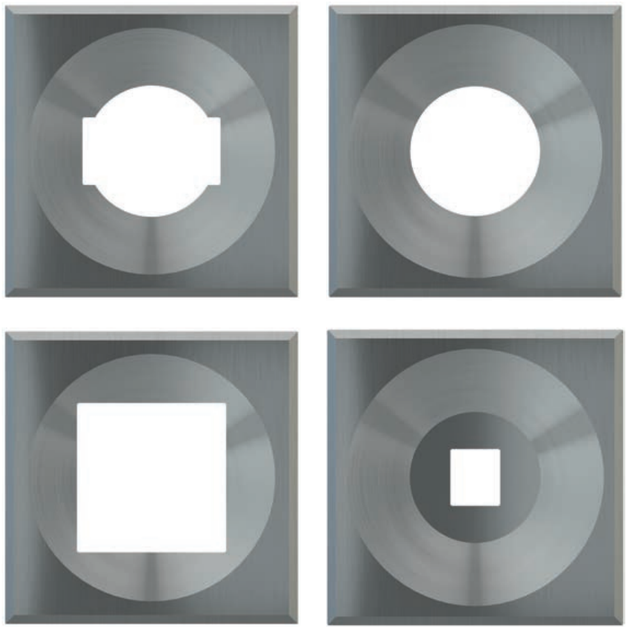
Order information

Code	Dimensions L x H x P [mm]	For use with	Package
EK-FO2-...	157 x 86 x 8	Ekinex® devices of 71 series	1 pcs.

Order
Base-codes (EK-FO2) must be completed by adding extensions for material, colour and finishing (3 characters).

Dimensions [mm]





Square plate ERA series

WALL-MOUNT DEVICES
(COMPONENTS AND MODULES FOR WIRING DEVICES / KEYSTONE)

Description

Square magnetic plate for completing Ekinex ERA series devices (wiring devices components and modules / keystone). Available in numerous colours and materials.

Main features

- Mounting on round flush-mounted boxes (centre-to-centre distance of fixing holes: 60 mm)
- Made of metal alloy with metal finish
- Magnetic mounting on adapter

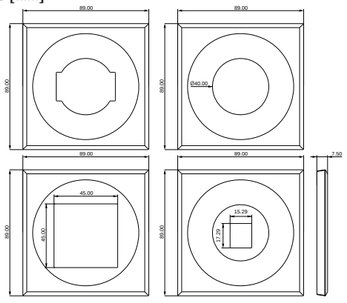
Order information

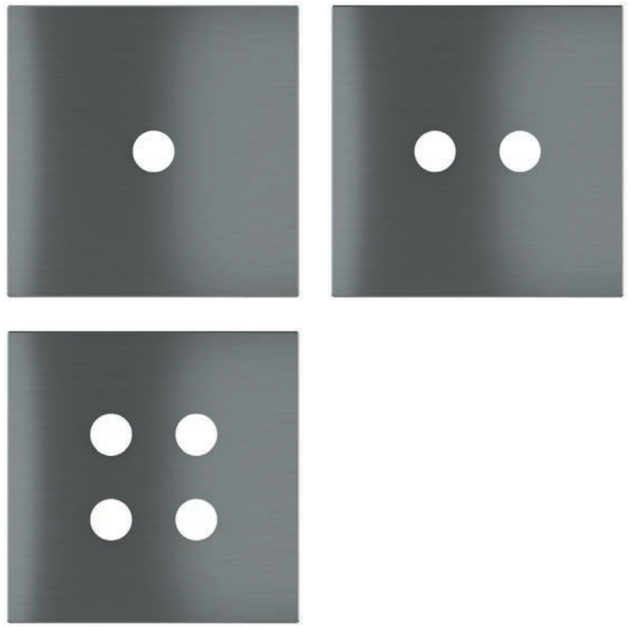
Code	For use with	Package
EK-DEA-U-...	IT power socket	1 pcs.
EK-DEA-T-...	Schuko, FR, IL power sockets	
EK-DEA-P-...	UK power sockets, multi-standard, wiring devices modules	
EK-DEA-K-...	keystone	

Order

The code must be completed with extensions relating to material, colour and finish (3 characters).

Dimensions [mm]





Square plate Proxima series

WALL-MOUNT DEVICES
(PUSHBUTTONS)

Description

Square magnetic plate for completing Ekinex Proxima series devices (pushbuttons). Available in numerous colours and materials.

Main features

- Mounting on round flush-mounted boxes (centre-to-centre distance of fixing holes: 60 mm)
- Made of metal alloy with metal finish or Metal HT
- Magnetic mounting on adapter

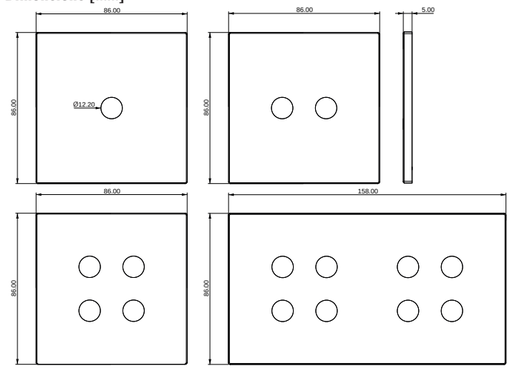
Order information

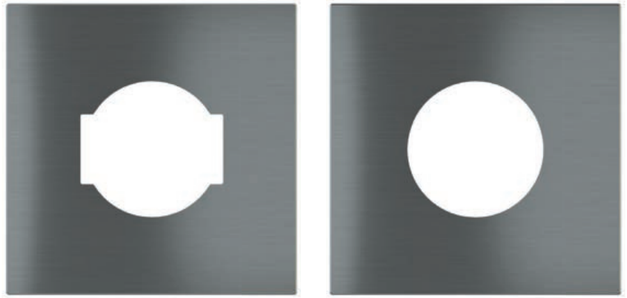
Code	For use with	Package
EK-PQA-1-...	pushbutton (1 rocker)	1 pcs.
EK-PQA-2-...	pushbutton (2 rockers)	
EK-PQA-4-...	pushbutton (4 rockers)	

Order

The code must be completed with extensions relating to material, colour and finish (3 characters).

Dimensions [mm]





Square plate Proxima series

WALL-MOUNT DEVICES
(COMPONENTS AND MODULES FOR WIRING DEVICES / KEYSTONE)

Description

Square magnetic plate for completing Ekinex Proxima series devices (wiring devices components and modules / keystone). Available in numerous colours and materials.

Main features

- Mounting on round flush-mounted boxes (centre-to-centre distance of fixing holes: 60 mm)
- Made of metal alloy with metal finish or Metal HT
- Magnetic mounting on adapter

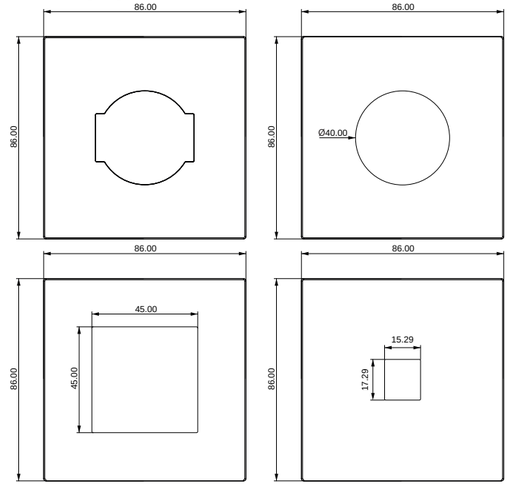
Order information

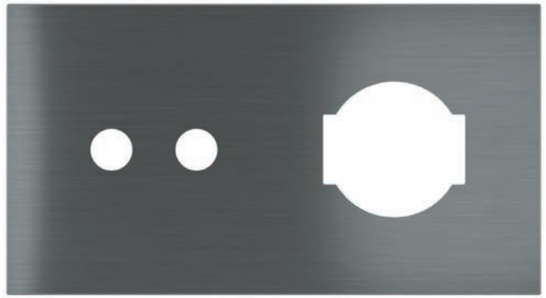
Code	For use with	Package
EK-PQA-U-...	IT power socket	1 pcs.
EK-PQA-T-...	Schuko, FR, IL power sockets	
EK-PQA-P-...	UK power sockets, multi-standard, wiring devices modules	
EK-PQA-K-...	keystone	

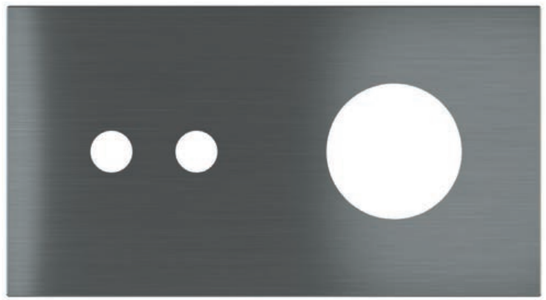
Order

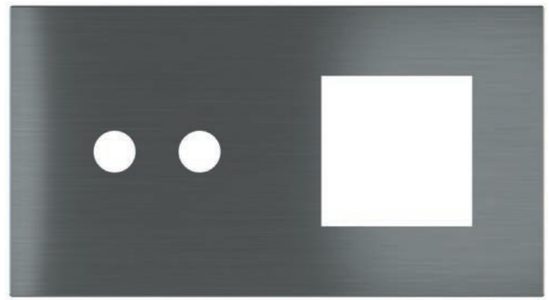
The code must be completed with extensions relating to material, colour and finish (3 characters).

Dimensions [mm]









Double plate Proxima series

WALL-MOUNT DEVICES
(2-ROCKERS PUSHBUTTONS +
COMPONENTS AND MODULES FOR WIRING DEVICES)

Description

Double magnetic plate for completing Ekinex Proxima series devices (2-rockers pushbuttons + components and modules for residential use). Available in numerous colours and materials.

Main features

- Mounting on flush-mounted boxes with a device centre distance of 71 mm
- Made of metal alloy with a metal or Metal HT finish
- Magnetic mounting on adapter

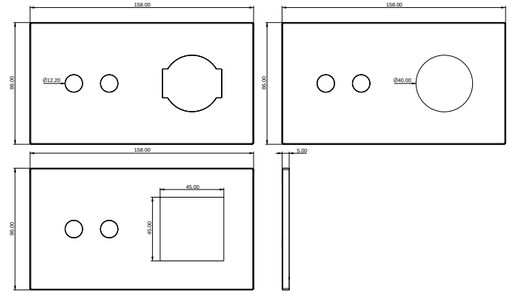
Order information

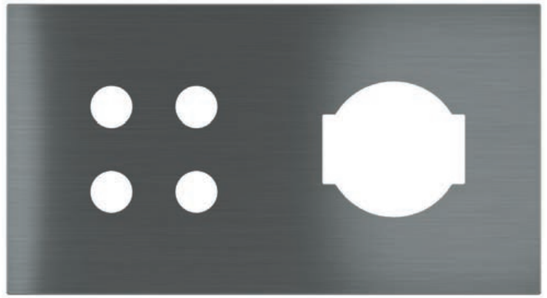
Code	For use with	Package
EK-P2A-2U-...	button (2 rockers) + IT electrical socket	1 pcs.
EK-P2A-2T...	button (2 rockers) + Schuko, FR, IL Power sockets	
EK-P2A-2P-...	button (2 rockers) + UK, Multistandard Power sockets, Wiring devices modules	

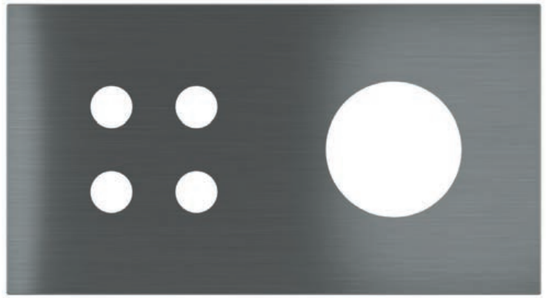
Order

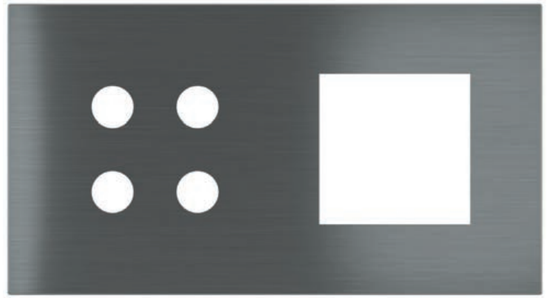
The code must be completed with extensions relating to material, colour and finish (3 characters).

Dimensions [mm]









Double plate Proxima series

WALL-MOUNT DEVICES
(4-ROCKERS PUSHBUTTONS + COMPONENTS AND MODULES FOR WIRING DEVICES)

Description

Double magnetic plate for completing Ekinex Proxima series devices (4-rockers pushbuttons + components and modules for residential use). Available in numerous colours and materials.

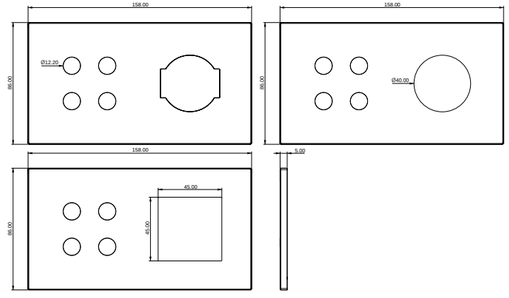
Main features

- Mounting on flush-mounted boxes with a device centre distance of 71 mm
- Made of metal alloy with a metal or Metal HT finish
- Magnetic mounting on adapter

Order

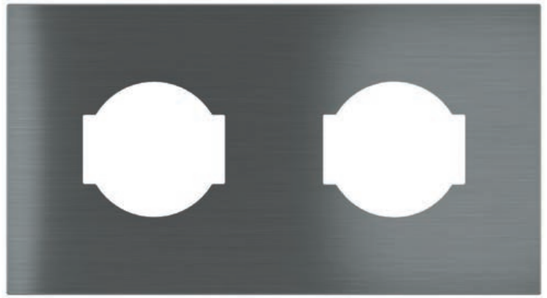
The code must be completed with extensions relating to material, colour and finish (3 characters).

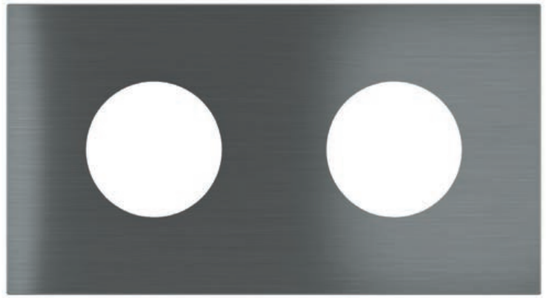
Dimensions [mm]

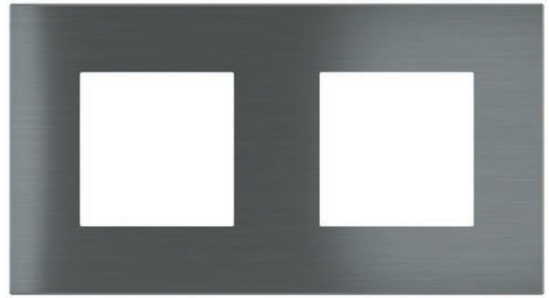


Order information

Code	For use with	Package
EK-P2A-4U-...	button (4 rockers) + IT electrical socket	1 pcs.
EK-P2A-4T...	button (4 rockers) + Schuko, FR, IL Power sockets	
EK-P2A-4P-...	button (4 rockers) + UK, Multistandard Power sockets, Wiring devices modules	







Double plate Proxima series

WALL-MOUNT DEVICES
(COMPONENTS AND MODULES FOR WIRING DEVICES)

Description

Double magnetic plate for completing Ekinex Proxima series devices (wiring devices components and modules). Available in numerous colours and materials.

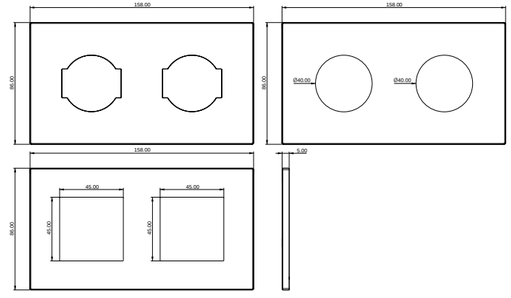
Main features

- Mounting on flush-mounted boxes with a device centre distance of 71 mm
- Made of metal alloy with a metal or Metal HT finish
- Magnetic mounting on adapter

Order

The code must be completed with extensions relating to material, colour and finish (3 characters).

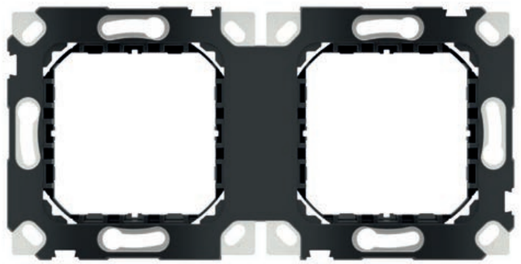
Dimensions [mm]



Order information

Code	For use with	Package
EK-P2A-UU-...	IT power sockets	1 pcs.
EK-P2A-TT...	Schuko, FR, IL power sockets	
EK-P2A-PP-...	UK power sockets, Multistandard, Wiring devices modules	





Mounting bracket ERA/Proxima series

WALL-MOUNT DEVICES

Description

The EK-SMP-71-1 moulded support is a key component of the ERA/Proxima series. Designed with solidity and versatility in mind, it is what makes the wide variety of configurations in the series possible.
The metal structure allows the magnetic plates to adhere, while the moulded polymer component allows the insertion of the numerous standard components available.

Main features

- Co-moulded metal and polymer support
- Suitable for ERA/Proxima series sockets and pushbuttons
- Suitable for single and double configurations (only Proxima with centre distance 71 mm)
- Suitable for 1 or 2 module wiring devices components

Delivery

- The supply includes 2 screw kits for fixing the support to the box.

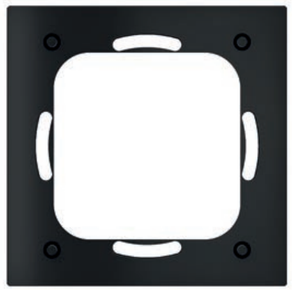
Mounting

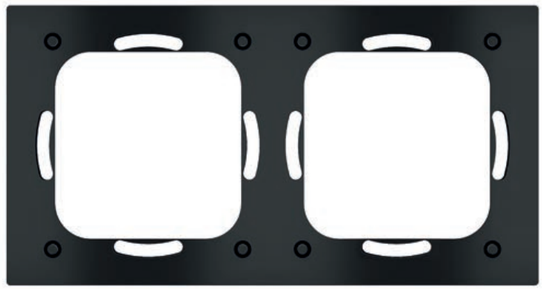
- Mounting to the flush-mounted box using screws

Order information

Code	For use with	Package
EK-SMP-71-1	for mounting 1 device/plate from the ERA/Proxima series	1 pcs.
EK-SDP-71-1	for mounting 2 devices/plate from the Proxima series	

*Not compatible with surrounded power sockets (45x45 mm module)





Additional support for compatibility with round flush-mount boxes Proxima series

WALL-MOUNT DEVICES

Description

The EK-SMP-Q-1 plastic spacer is required for installing Proxima series components inside special flush-mounted boxes. Check the planner for compatibility with your solution.

Main features

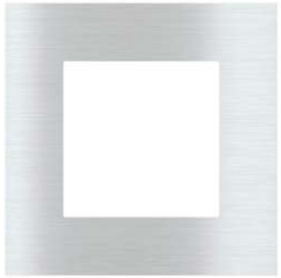
- ABS support
- Suitable for Proxima series installations
- Suitable for single configurations

Mounting

- Interlocking assembly between flush-mounting box and support EK-SMP-71-1.

Order information

Code	For use with	Package
EK-SMP-Q-1	for compatibility with round flush-mounted boxes	1 pcs.
EK-SMP-D-1	for compatibility with round flush-mounted boxes with 2 positions	



Square plate

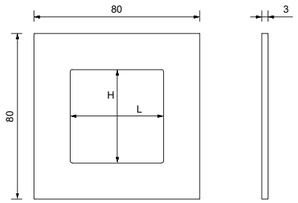
WALL-MOUNT DEVICES

Description
Square plate for finishing Ekinex® devices of 71 series or market-standard flush-mounted inserts. Available in several colours and materials. To be used in combination with a square frame of the Form version. The plate can be also mounted without frame in combination with an adapter of the 'NF version.

Main features
- In plastic material or aluminium or Fenix NTM®
- Snap-on mounting

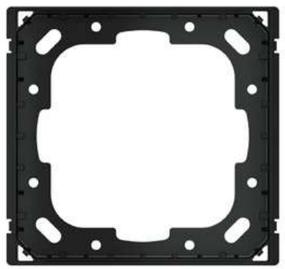
Order
Base-codes must be completed by adding extensions for material, colour and finishing (3 characters).

Dimensions [mm]



Order information

Code	Window L x H [mm]	For use with*	Package
EK-PQP-...	45 x 45	standard flush-mounted inserts or Ekinex® devices	1 pcs.
EK-PQG-...	55 x 55		
EK-PQS-...	60 x 60	Ekinex® devices of 71 series	
EK-PQN-...	50 x 50	motion sensor	



Adapter for square plate

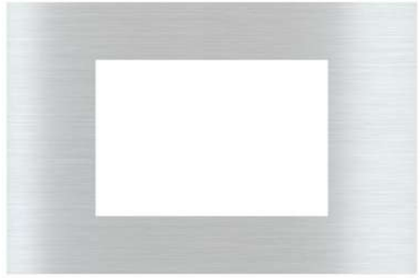
WALL-MOUNT DEVICES

Description
Adapter for snap-on mounting of a square plate.

Main features
- Technopolymer material
- Mounting onto round or square mounting box with fixing holes 60 mm apart

Order information

Code	For use with	Side profile	Package
EK-TAQE-1	square plate with a Form frame	black	1 pcs.
EK-TAQE-1-NF	square plate without frame ('NF version)	black	
EK-TAQE-1-NFW		white	



Rectangular plate

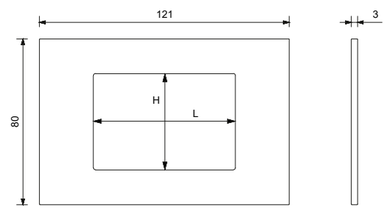
WALL-MOUNT DEVICES

Description
Rectangular plate for finishing market-standard flush-mounted inserts. Available in several colours and materials. To be used in combination with a rectangular frame of the Form version. The plate can be also mounted without frame in combination with an adapter of the 'NF version.

Main features
- In plastic material or aluminium or Fenix NTM®
- Snap-on mounting

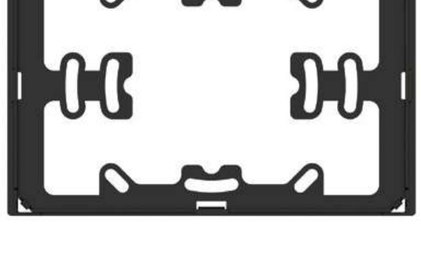
Order
Base-codes must be completed by adding extensions for material, colour and finishing (3 characters).

Dimensions [mm]



Order information

Code	Window L x H [mm]	For use with*	Package
EK-PRG-...	68 x 45	standard flush-mounted inserts	1 pcs.
EK-PRS	60 x 60	Ekinex® devices of 71 series	



Adapter for rectangular plate

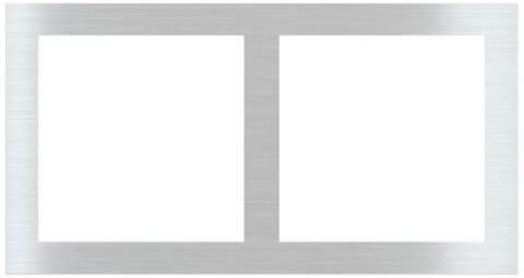
WALL-MOUNT DEVICES

Description
Adapter for snap-on mounting of a rectangular plate.

Main features
- Technopolymer material
- Mounting onto round or square mounting box with fixing holes 60 mm apart or onto rectangular mounting box with fixing holes 83,5 mm apart

Order information

Code	For use with	Side profile	Package
EK-TAR-1	rectangular plate and Form frame	black	1 pcs.
EK-TAR-1-NF	rectangular plate without frame ('NF version)	black	
EK-TAR-1-NFW		white	



Double plate

WALL-MOUNT DEVICES

Description
Double plate for finishing standard flush-mounting inserts and/or Ekinex® devices of 71 series. Available in several colours and materials. To be used in combination with a double frame of the Form version. The plate can be also mounted without frame in combination with an adapter of the 'NF version.

Main features
- In plastic material or aluminium or Fenix NTM®
- Snap-on mounting

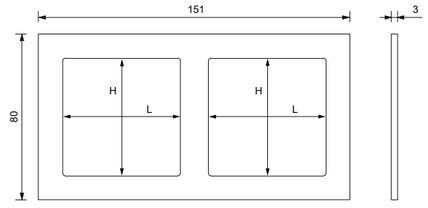
Order information

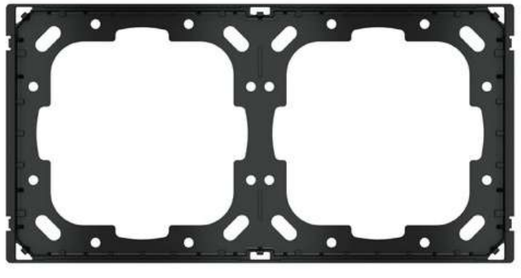
Code	Windows L x H [mm]	For use with*	Package
EK-P2E-...*	45 x 45 (2)	two Ekinex® devices installed 71 mm apart (devices of 71 series and/or flush-mounting inserts)	1 pcs.
EK-P2F-...*	45 x 45 (1), 60 x 60 (1)		
EK-P2P-...	55 x 55 (2)		
EK-P2G-...	55 x 55 (1), 60 x 60 (1)		
EK-P2S-...	60 x 60 (2)		

*) Not available in plastic

Order
Base-codes must be completed by adding extensions for material, colour and finishing (3 characters).

Dimensions [mm]





Adapter for double plate

WALL-MOUNT DEVICES

Description
Adapter for snap-on mounting of a double plate.

Main features
- In plastic material
- For mounting onto round modular flush-mounting boxes (71 mm apart)

Order information

Code	For use with	Side profile	Package
EK-A71E	double plate with a Form frame	black	1 pcs.
EK-A71E-1-NF	double plate of 71 series without frame ('NF version)	black	
EK-A71E-1-NFW		white	
EK-A71	double plate with a Form frame (at least one product not supplied by Ekinex)	black	
EK-A71-1-NF	double plate of 71 series without frame ('NF version)	black	



Deep square plate

WALL-MOUNT DEVICES

Description
Deep version square plate for finishing Ekinex® devices of Signum, 20venti and 71 series or market-standard flush-mounted inserts. Available in several colours and materials.

Main features
- For use on round mounting box with fixing holes 60 mm apart
- In plastic material, aluminium, Metal HT or Fenix NTM®
- Snap-on mounting on adapter

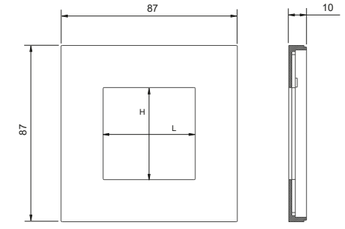
Order information

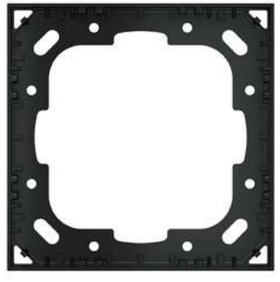
Code	Window L x H [mm]	For use with	Package
EK-DQP-...	45 x 45	standard flush-mounted inserts or Ekinex® devices	1 pcs.
EK-DQG-...	55 x 55		
EK-DQT-...	30 x 60	Ekinex® devices of 20venti series (4 rockers)	
EK-DQS-...	60 x 60	Ekinex® devices of 20venti and 71 series	
EK-DQZ-...*	30 x 60	Ekinex® devices of Signum series	
EK-DQN-...	50 x 50	motion sensor	

*) Not available in plastic

Order
Base-codes must be completed by adding extensions for material, colour and finishing (3 characters).

Dimensions [mm]





Adapter for Deep square plate

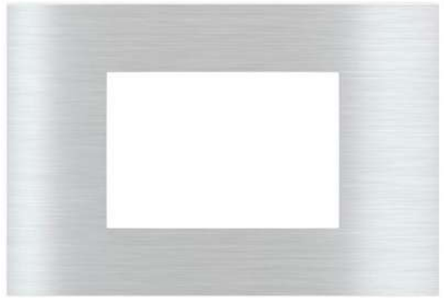
WALL-MOUNT DEVICES

Description
Adapter for snap-on mounting of a Deep square plate.

Main features
- Technopolymer material
- Mounting onto round or square mounting box with fixing holes 60 mm apart

Order information

Code	For use with	Side profile	Package
EK-TAQE-1-NF	Deep square plate	black	1 pcs.



Deep rectangular plate

WALL-MOUNT DEVICES

Description

Deep version rectangular plate for finishing Ekinex® devices of 20venti and 71 series or market-standard flush-mounted inserts. Available in several colours and materials.

Main features

- Mounting onto rectangular 3 seater mounting box according to the Italian installation standard provided with fixing holes 83,5 mm apart
- In plastic material, aluminium, Metal HT or Fenix NTM®
- Snap-on mounting on adapter

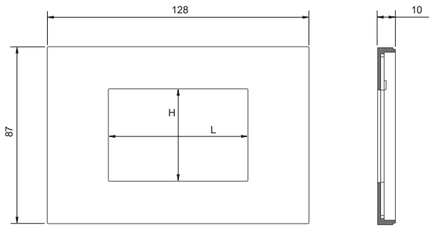
Order information

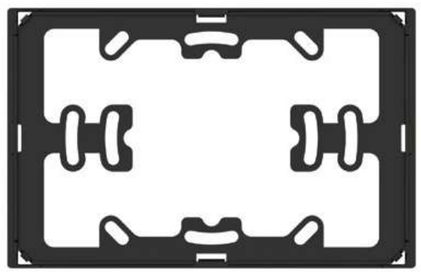
Code	Window L x H [mm]	For use with	Package
EK-DRG-...	68 x 45	standard flush-mounted inserts	1 pcs.
EK-DRS-...	60 x 60	Ekinex® devices of 20venti and 71 series	

Order

Base-codes must be completed by adding extensions for material, colour and finishing (3 characters).

Dimensions [mm]





Adapter for Deep rectangular plate

WALL-MOUNT DEVICES

Description

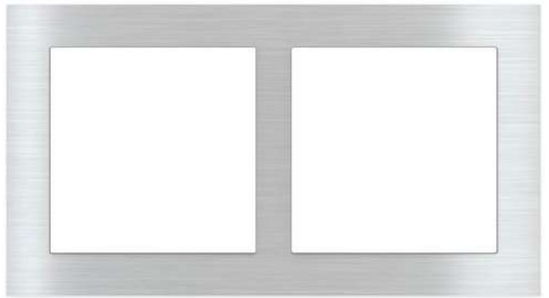
Adapter for snap-on mounting of a Deep rectangular plate.

Main features

- Technopolymer material
- Mounting onto round or square mounting box with fixing holes 60 mm apart or onto rectangular mounting box with fixing holes 83,5 mm apart

Order information

Code	For use with	Side profile	Package
EK-TAR-1-NF	Deep rectangular plate	black	1 pcs.



Deep double plate

WALL-MOUNT DEVICES

Description

Deep version double plate for finishing standard flush-mounting inserts and/or Ekinex® devices of 20venti and 71 series. Available in several colours and materials.

Main features

- For mounting onto mounting boxes with fixing holes 71 mm apart
- In plastic material, aluminium, Metal HT or Fenix NTM®
- Snap-on mounting on adapter

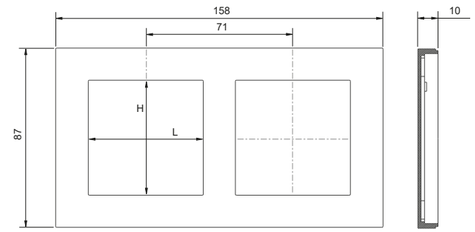
Order information

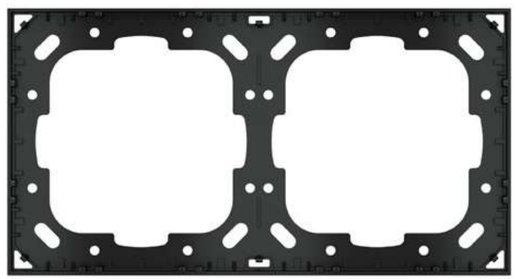
Code	Windows L x H [mm]	For use with	Package
EK-D2E	45 x 45 (2)	two Ekinex® devices installed 71 mm apart (devices of 20venti and 71 series and/or flush-mounting inserts)	1 pcs.
EK-D2F	45 x 45 (1), 60 x 60 (1)		
EK-D2P-...	55 x 55 (2)		
EK-D2G-...	55 x 55 (1), 60 x 60 (1)		
EK-D2S-...	60 x 60 (2)		

Order

Base-codes must be completed by adding extensions for material, colour and finishing (3 characters).

Dimensions [mm]





Adapter for Deep double plate

WALL-MOUNT DEVICES

Description

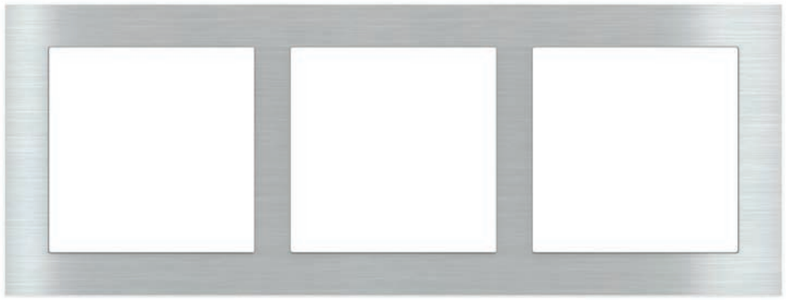
Adapter for snap-on mounting of a Deep double plate.

Main features

- In plastic material
- For mounting onto round modular flush-mounting boxes (71 mm apart)

Order information

Code	For use with	Side profile	Package
EK-A71E-1-NF	Deep double plate	black	1 pcs.
EK-A71-1-NF	double plate of 71 series without frame ('NF version) (at least one product not supplied by Ekinex)		



Deep triple plate

WALL-MOUNT DEVICES

Description

Deep version triple plate for finishing standard flush-mounting inserts and/or Ekinex® devices of 20venti and 71 series. Available in several colours and materials.

Main features

- For mounting onto mounting boxes with fixing holes 71 mm apart
- In aluminium, Metal HT or Fenix NTM®
- Snap-on mounting on adapter
- Customisation of windows on aluminium or Fenix NTM® plates on request

Order information

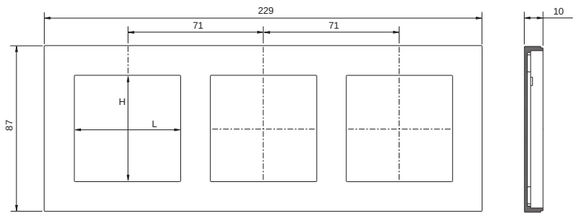
Code	Windows L x H [mm]	For use with	Package
EK-D3P-...	55 x 55 (3)	three Ekinex® devices installed 71 mm apart (devices of 20venti and 71 series and/or flush-mounting inserts)	1 pcs.
EK-D3G-...	60 x 60 (1) 55 x 55 (2)		
EK-D3X-XXX-...	XXX (4,5,6) Custom window*		

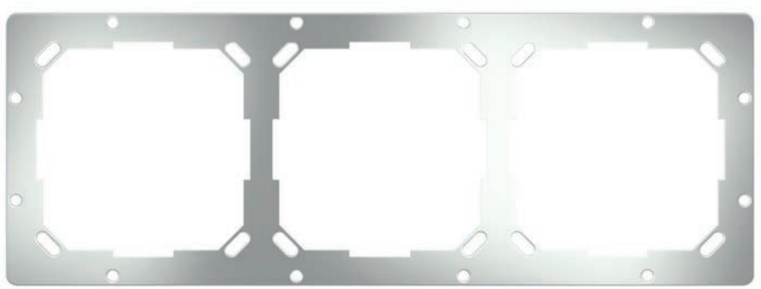
(*) 45 x 45 mm - 55 x 55 mm - 60 x 60 mm

Order

Base-codes must be completed by adding extensions for material, colour and finishing (3 characters).

Dimensions [mm]





Adapter for Deep triple plate

WALL-MOUNT DEVICES

Description

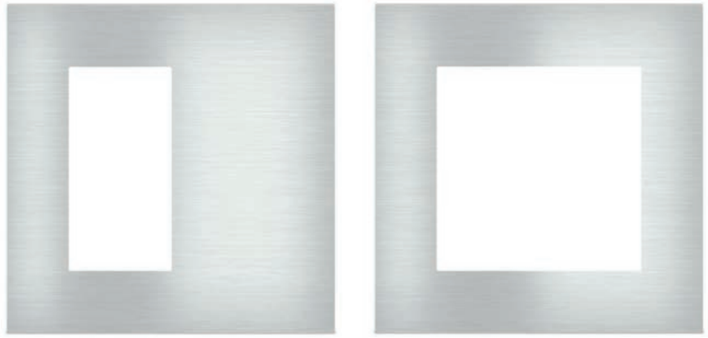
Adapter for snap-on mounting of a Deep triple plate.

Main features

- In aluminium
- For mounting onto round modular flush-mounting boxes (71 mm apart)

Order information

Code	For use with	Side profile	Package
EK-B71-1-NF	Deep triple plate	black	1 pcs.



Surface square plate

WALL-MOUNT DEVICES

Description

Surface version square plate for finishing Ekinex® devices of 20venti and 71 series or market-standard flush-mounted inserts. Available in several colours and materials.

Main features

- For use on round mounting box with fixing holes 60 mm apart
- In aluminium, Metal HT or Fenix NTM®
- Snap-on mounting on adapter

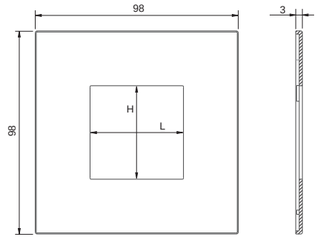
Order information

Code	Window L x H [mm]	For use with	Package
EK-SQP-...	45 x 45	standard flush-mounted inserts or Ekinex® devices	1 pcs.
EK-SQG-...	55 x 55		
EK-SQT-...	30 x 60	Ekinex® devices of 20venti series (4 rockers)	
EK-SQS-...	60 x 60	Ekinex® devices of 20venti and 71 series	
EK-SQZ-...	30 x 60	Ekinex® devices of Signum series	
EK-SQN-...	50 x 50	motion sensor	

Order

Base-codes must be completed by adding extensions for material, colour and finishing (3 characters).

Dimensions [mm]





Adapter for Surface square plate

WALL-MOUNT DEVICES

Description

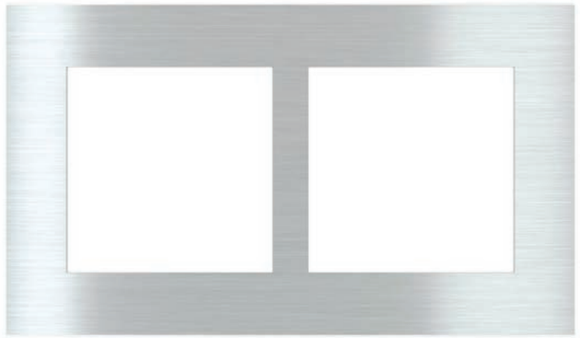
Adapter for mounting a square Surface plate.

Main features

- 1x plastic square Surface adapter frame
- 8x M3x6 countersunk flat head screws (EK-TAS-Q-W)
- 1x Surface square adjustment metal bracket with countersink (EK-TAS-Q-W)
- 4x guide inserts for Surface installation on walls up to 35 mm (EK-TAS-Q-N)
- 4x 44.5 mm long cavity wall anchor screws (EK-TAS-Q-N)
- 4x metal tabs (EK-TAS-Q-N)
- 4x M3x6 countersunk flat head screws with cross recess (EK-TAS-Q-N)
- 1x cardboard mounting template 86x86 mm (EK-TAS-Q-N)
- 2x 2.9x25 and 2.9x38 mm countersunk flat head cross recessed and self-tapping screws

Order information

Code	For use with	Side profile	Package
EK-TAS-Q-W	for mounting a square Surface plate on masonry walls	black	1 pcs.
EK-TAS-Q-N	for mounting a square Surface plate on walls up to 35 mm thick (plasterboard, wood paneling, marble, etc.)		



Surface double plate

WALL-MOUNT DEVICES

Description
Surface version double plate for finishing standard flush-mounting inserts and/or Ekinex® devices of 20venti and 71 series. Available in several colours and materials.

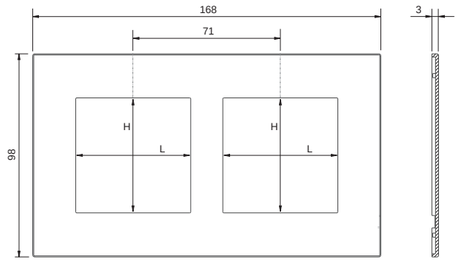
Main features
- For mounting onto mounting boxes with fixing holes 71 mm apart
- In aluminium, Metal HT or Fenix NTM®
- Snap-on mounting on adapter

Order information

Code	Windows L x H [mm]	For use with	Package
EK-S2E	45 x 45 (2)	two devices installed 71 mm apart (devices of 20venti and 71 series and/or flush-mounting inserts)	1 pcs.
EK-S2F	45 x 45 (1), 60 x 60 (1)		
EK-S2P-...	55 x 55 (2)		
EK-S2G-...	55 x 55 (1), 60 x 60 (1)		
EK-S2S-...	60 x 60 (2)		

Order
Base-codes must be completed by adding extensions for material, colour and finishing (3 characters).

Dimensions [mm]





Adapter for Surface double plate

WALL-MOUNT DEVICES

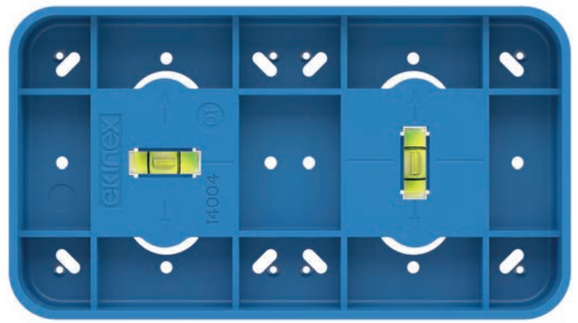
Description
Adapter for mounting of a Surface double plate.

Main features
- 1x Surface square plastic adapter frame
- 8x M3x6 countersunk flat head screws (EK-TAS-D-W)
- 2x square Surface adjustment metal bracket with countersink (EK-TAS-D-W)
- 6x guide inserts for Surface installation on walls up to 35 mm (EK-TAS-D-N)
- 6x 44.5 mm long cavity wall anchor screws (EK-TAS-D-N)
- 6x metal tabs (EK-TAS-D-N)
- 8x M3x6 countersunk flat head screws with cross recess (EK-TAS-D-N)
- 1x cardboard mounting template 156x86 mm (EK-TAS-D-N)
- 4x 2.9x25 and 2.9x38 mm countersunk flat head screws with cross recess and self-tapping

Order information

Code	For use with	Side profile	Package
EK-TAS-D-W	for mounting a double Surface plate on masonry walls	black	1 pcs.
EK-TAS-D-N	for mounting a double Surface plate on walls up to 35 mm thick (plasterboard, wood paneling, marble, etc.)		





Template for Surface plates

WALL-MOUNT DEVICES

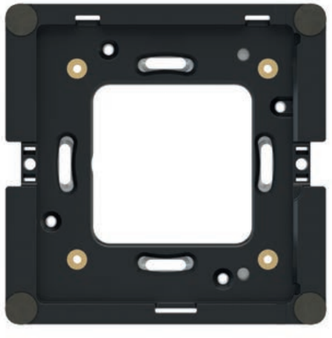
Description
Template for making holes during wall plastering in order to mount a Surface plate-adapter bundle.

Main features
- Technopolymer material
- With spirit level for perfect horizontal alignment
- Mounting onto round or square mounting box with fixing holes 60 mm apart
- Double template for flush-mounting boxes with centre distance 71 mm

Delivery
The template (EK-DDS-...) for mounting the Surface adapter-plate assembly must be ordered separately.

Order information

Code	Dimensions L x H x P [mm]	For use with	Package
EK-DSS-Q-W	87 x 87 x 10	Template for square plate	1 pcs.
EK-DSS-D-W	157 x 87 x 10	Template for double plate	



Adapter for Signum Surface square plate

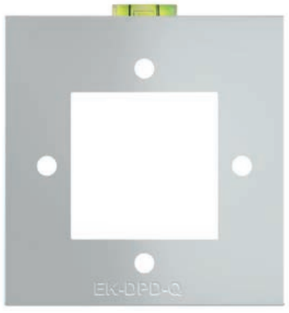
WALL-MOUNT DEVICES

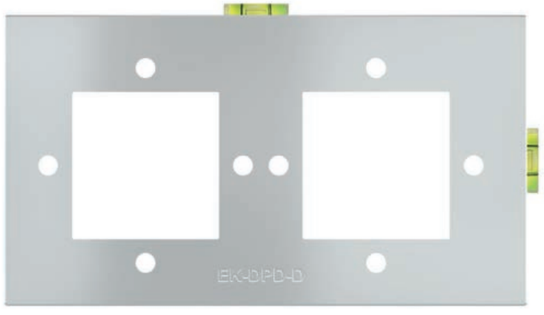
Description
Adapter for mounting a square Signum Surface plate.

Main features
- 1x plastic square Signum Surface adapter frame
- 8x M3x6 countersunk flat head screws (EK-TAS-V-W)
- 1x Surface square adjustment metal bracket with countersink (EK-TAS-V-W)
- 4x guide inserts for Surface installation on walls up to 35 mm (EK-TAS-V-N)
- 4x 44.5 mm long cavity wall anchor screws (EK-TAS-V-N)
- 4x metal tabs (EK-TAS-V-N)
- 4x M3x6 countersunk flat head screws with cross recess (EK-TAS-V-N)
- 1x cardboard mounting template 86x86 mm (EK-TAS-V-N)
- 2x 2.9x25 and 2.9x38 mm countersunk flat head cross recessed and self-tapping screws

Order information

Code	For use with	Side profile	Package
EK-TAS-V-W	for mounting a square Signum Surface plate on masonry walls	black	1 pcs.
EK-TAS-V-N	for mounting a square Signum Surface plate on walls up to 35 mm thick (plasterboard, wood paneling, marble, etc.)		





Templates for installation of wiring devices components on 'NF/Deep applications

WALL-MOUNT DEVICES

Description

Templates facilitating the placement (pre-assembly) of commercial wiring devices components on NF' and Deep applications. Mounting on 2-position box.

Main features

- Made of machined, unpainted aluminium
- With spirit level for perfect horizontal alignment
- Mounting on round or square flush-mounting box (hole spacing 60 mm)
- Double template for mounting on flush-mounting box with device centre distance 71 mm

Order information

Code	Dimensions L x H x P [mm]	For use with	Package
EK-DPD-Q	87 x 90 x 8.7	Template for square plate	1 pcs.
EK-DPD-D	160 x 90 x 9.7	Template for double plate	



Square mounting support (for devices not supplied by Ekinex)

WALL-MOUNT DEVICES

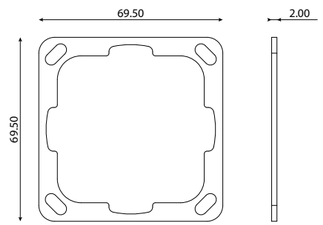
Description

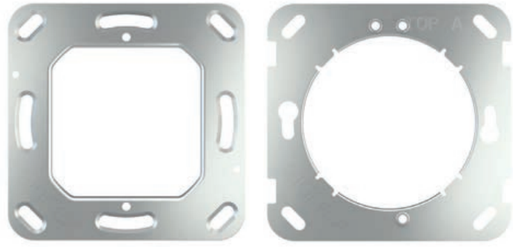
Square rubber mounting support for mounting devices or components not supplied by Ekinex.

Order information

Code	Dimensions L x H x P [mm]	For use with	Package
EK-TFC-1	69.5 x 69.5 x 2	devices not supplied by Ekinex	1 pcs..

Dimensions [mm]





Square mounting support

WALL-MOUNT DEVICES

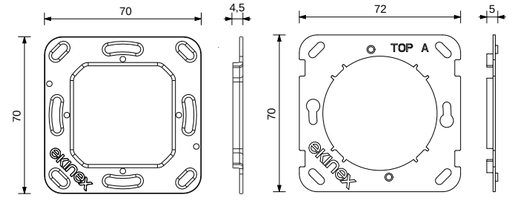
Description

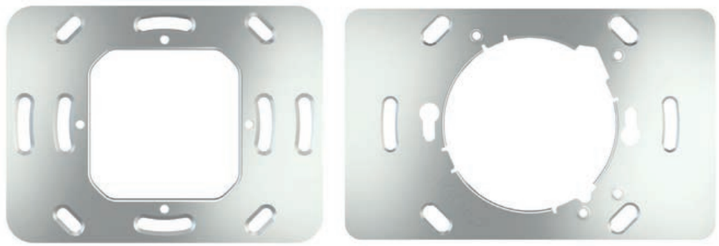
Square metallic support for mounting Ekinex® devices onto round or square mounting boxes with fixing holes 60 mm apart.

Order information

Code	Dimensions L x H x P [mm]	For use with	Package
EK-SMQ-1	72 x 70 x 5	thermostats and Touch&See FF series	1 pcs.
EK-SMQ-71-1	70 x 70 x 4,5	devices of 20venti or 71 series and 4-fold pushbutton of FF series	
EK-SMQ-71-S	70 x 70 x 4,5	devices of Signum	

Dimensions [mm]





Rectangular mounting support

WALL-MOUNT DEVICES

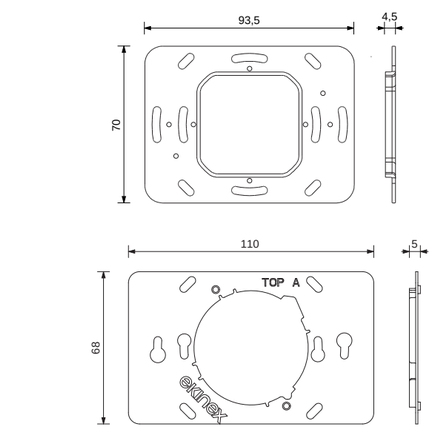
Description

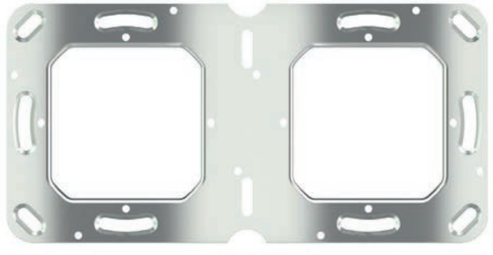
Rectangular metallic support for mounting Ekinex® devices onto round or square mounting boxes with fixing holes 60 mm apart or onto rectangular, 3-seater mounting box with fixing holes 85 mm apart.

Order information

Code	Dimensions L x H x P [mm]	For use with	Package
EK-SMR-1	110 x 68 x 5	Touch&See with 2-fold pushbutton of FF series	1 pcs.
EK-SMR-71-1	93,5 x 70 x 4,5	devices of 20venti or 71 series and 4/6-fold pushbutton of FF series	

Dimensions [mm]





2-place mounting support

WALL-MOUNT DEVICES

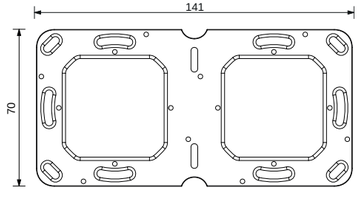
Description

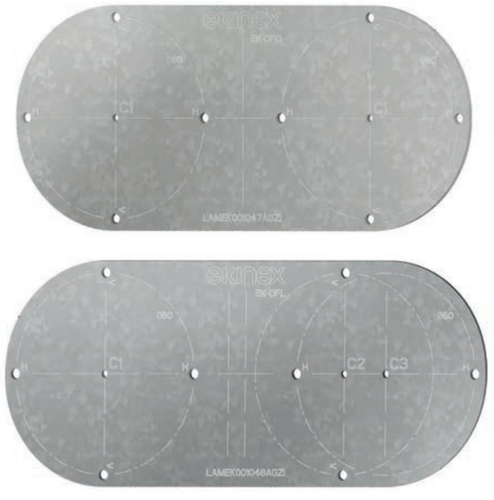
2-place metal support for mounting a 20venti and 71 series device on a 2-place flush-mount box (fixing holes with 71 mm spacing). Fixing screws included.

Order information

Code	Dimensions L x H x P [mm]	For use with	Package
EK-SM2-71-1	141 x 70 x 5	20venti and 71 series devices	1 pcs.

Dimensions [mm]





Template for side-by-side mounting of FF series with Form/Flank frames

WALL-MOUNT DEVICES

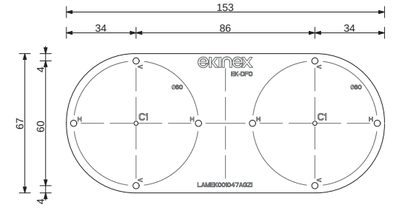
Description

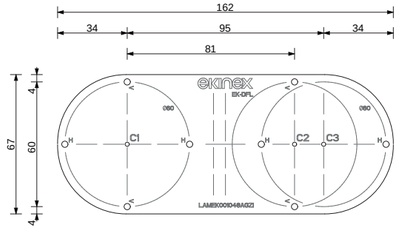
Template for horizontal or vertical double-mounting of two Ekinex® devices of FF series with square frame of the Form and Flank version. Made of zinc-plated metal sheet, 1 mm thick. Employ depends on wall type (brick or movable walls).

Order information

Code	Frames	For use with	Package
EK-DFO	Form	2 devices of FF series completed with square Form frames	5 pcs.
EK-DFL	Flank	2 devices of FF series completed with square Flank frames	

Dimensions [mm]







Round flush-mounted box

WALL-MOUNT DEVICES

Description

Round flush-mounted box compatible with movable walls (7–40 mm). Allows installation of the Proxima series without the EK-SMP-Q-1 spacer.

Main features

- Allows installation of the Proxima series without the need for the EK-SMP-Q-1 spacer
- Flush-mounting box for movable walls (7–40 mm)
- Box depth 60 mm
- Usable internal dimensions 53 x 55 mm
- Compatible with all Ekinex products for box 502
- Model Kaiser 9264-22
- Not stackable

Order information

Code	For use with	Package
EK-SI2-1T-W	movable walls with a thickness between 7 and 40 mm.	1 pcs.



Descrizione

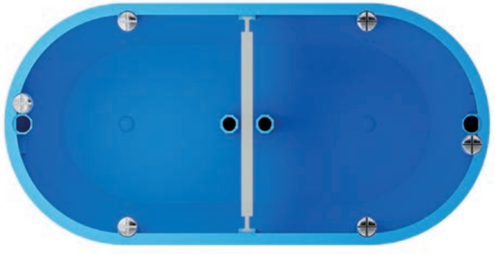
Round flush-mounted box compatible with movable walls (7–40 mm).
Allows installation of the Proxima series without the EK-SMP-Q-1 spacer.

Main features

- Allows installation of the Proxima series without the need for the EK-SMP-Q-1 spacer
- Flush-mounting box for movable walls (7–40 mm)
- Box depth 60 mm
- Usable internal dimensions 53 x 55 mm
- Compatible with all Ekinex products for box 502
- Model Simet PV60D - Halogen-Free
- Stackable (using the EK-ACS-71S accessory, available separately)
- Easy installation using the EK-DSI-71 Ø 68 mm centring template (available separately)

Order information

Code	For use with	Package
EK-SI2-1T-W	movable walls with a thickness between 7 and 40 mm.	1 pcs.



2-fold flush-mounted box

WALL-MOUNT DEVICES

Description

2-fold flush-mounting box compatible with movable walls (7–40 mm). Allows installation of the Proxima series in dual configuration without the EK-SMP-D-1 spacer.

Main features

- Allows installation of the Proxima series in dual configuration without the need
- for the EK-SMP-D-1 spacer
- Flush-mounted box for movable walls (7–40 mm)
- Box depth 59 mm
- Usable internal dimensions: 2 slots 55 x 55 mm
- Compatible with all Ekinex products with 71 mm centre-to-centre distance
- Model Simet P2X60D
- Not stackable

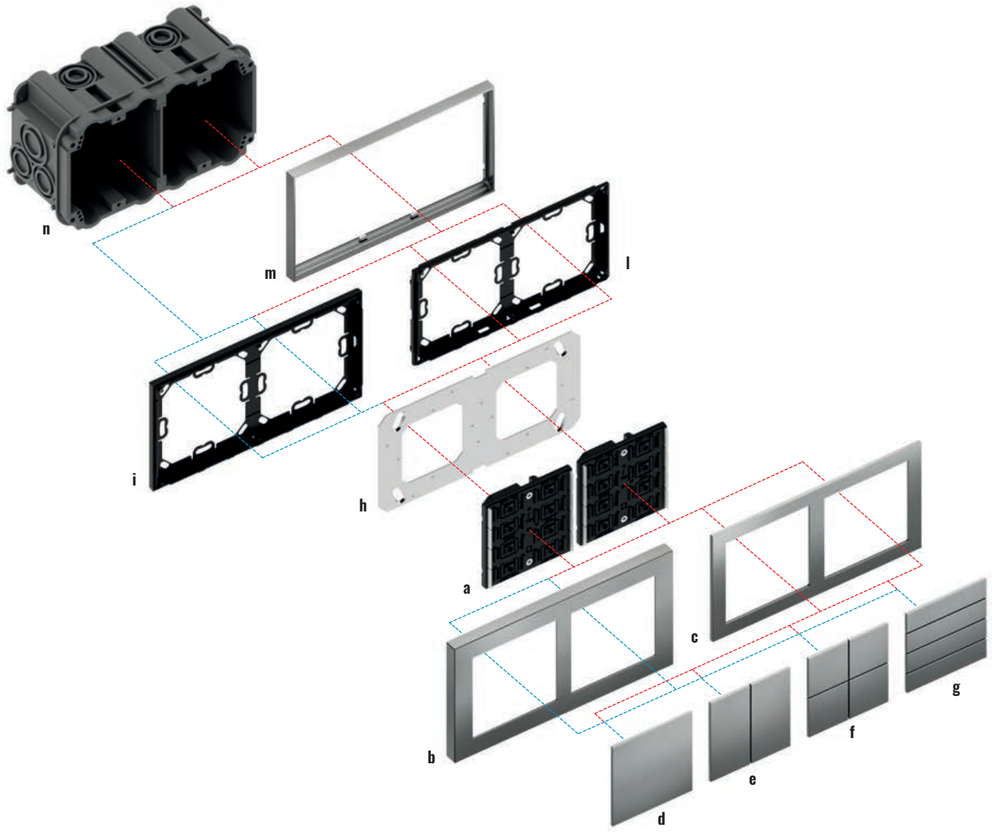
Order information

Code	For use with	Package
EK-SI2-2T-W	pareti mobili di spessore compreso tra 7 e 40mm.	1 pcs.

Solutions for the Swiss market

WALL-MOUNT DEVICES





The following components are used for the Swiss market:

- Double plate with 60 x 60 mm windows that allows the side-by-side installation of an Ekinex® device from 20venti or 71 series and a power socket (Feller) with 60 x 60 mm modularity or two power sockets (Feller) with 60 x 60 mm modularity with 68 mm spacing.
- Double plate with 60 x 60 mm windows that allows two Ekinex® devices from 20venti or 71 series to be mounted side by side with a distance between centres of 71 mm.
- Square plate with 60 x 60 mm windows allowing the mounting of a power socket (Feller) with 60 x 60 mm modularity. Installation is only possible if the corresponding support (EK-TAQ-1-CH) is used.
- Single and double metal mounting supports for horizontal/vertical installation

The plate can be mounted without frame ('NF or Deep) or with double frame Form version.
The double plate with 60 x 60 mm modularity and 68 mm spacing is available in aluminium or Fenix NTM®.
Installation can be done horizontally or vertically using the mounting supports.

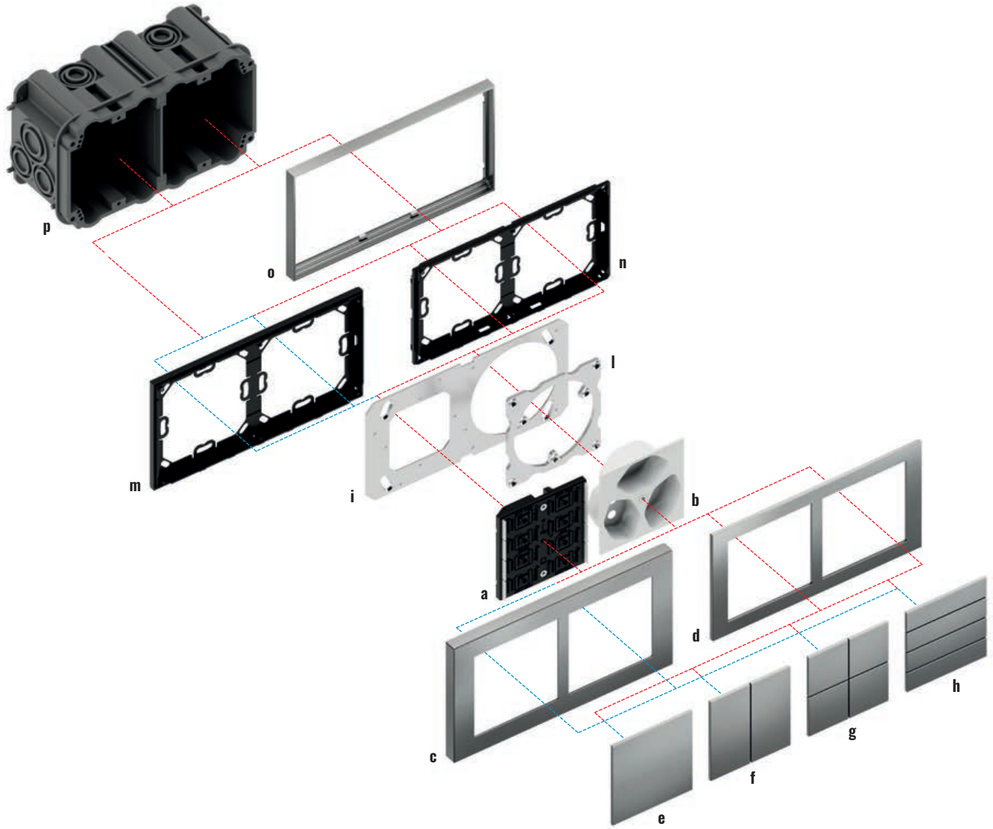
Requirements for the flush mount box(es)

- Fixing holes in corner position

Double pushbutton installation 71 series

Description	Code
a) Pushbutton 71 series	EK-E13-TP-... o EK-E23-TP-...
b) Deep double plate*	EK-D2S-...
c) Double plate*	EK-P2S-...
d) Square rocker (1)	EK-T1Q-...
e) Rectangular vertical rockers (2)	EK-T2R-...
f) Square rockers (4)	EK-T4Q-...
g) Rectangular horizontal rockers (4)	EK-T4R-...
h) Metal mounting support**	EK-SM2-CHX

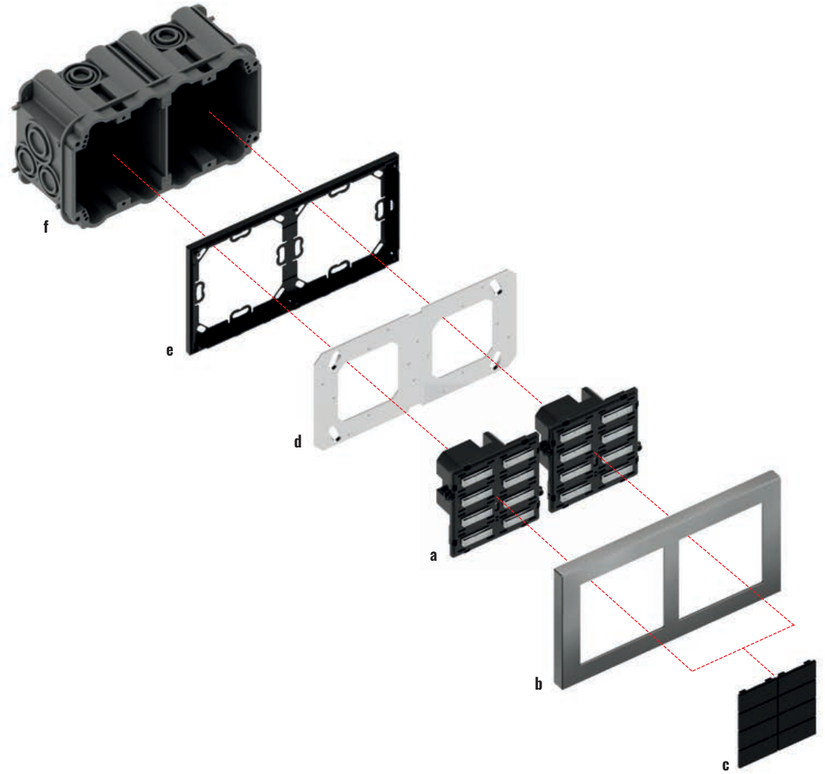
Description	Code
i) Double adapter for frame-free installation	EK-A71E-1-NF
l) Adapter for double plate with a Form frame	EK-A71E
m) Form version double frame	EK-F02-...
n) Double box for masonry walls (centre distance 60 mm)	not delivered by Ekinex®
*) 60 x 60 mm windows	
**) Available for horizontal or vertical mounting	



Double pushbutton installation 71 series + power socket (60 x 60 mm)

Description	Code
a) Pushbutton 71 series	EK-E13-TP-... or EK-E23-TP-...
b) Power socket 60 x 60 mm	not delivered by Ekinex®
c) Deep double plate*	EK-D2H-...
d) Double plate*	EK-P2H-...
e) Square rocker (1)	EK-T1Q-...
f) Rectangular vertical rockers (2)	EK-T2R-...
g) Square rockers (4)	EK-T4Q-...
h) Rectangular horizontal rockers (4)	EK-T4R-...
i) Metal mounting support**	EK-SM2-CHY

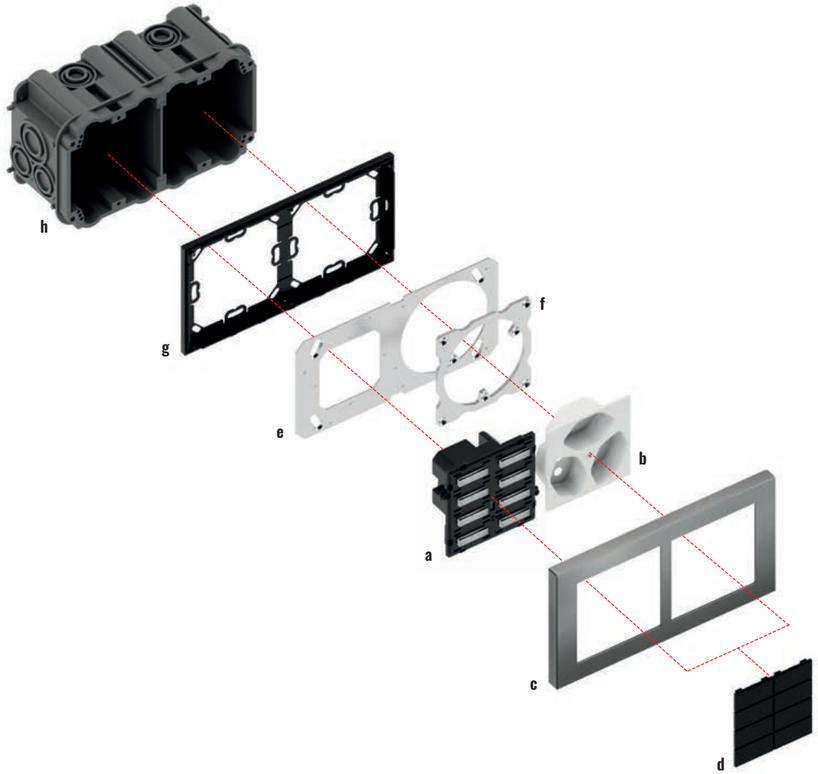
Description	Code
l) Metal mounting support**	EK-SM1-CHT
m) Double adapter for frame-free installation	EK-A71-1-NF
n) Adapter for double plate with a Form frame	EK-A71
o) Form version double frame	EK-FO2-...
p) Double box for masonry walls (centre distance 60 mm)	not delivered by Ekinex®
*) 60 x 60 mm windows	
**) Available for horizontal or vertical mounting	



Double pushbutton installation 20venti series

Description	Code
a) Pushbutton 20venti series	EK-E2E-TP-8
b) Deep double plate*	EK-D2S-...
c) Rectangular horizontal rockers	EK-T4R-20-...
d) Metal mounting support**	EK-SM2-CHX

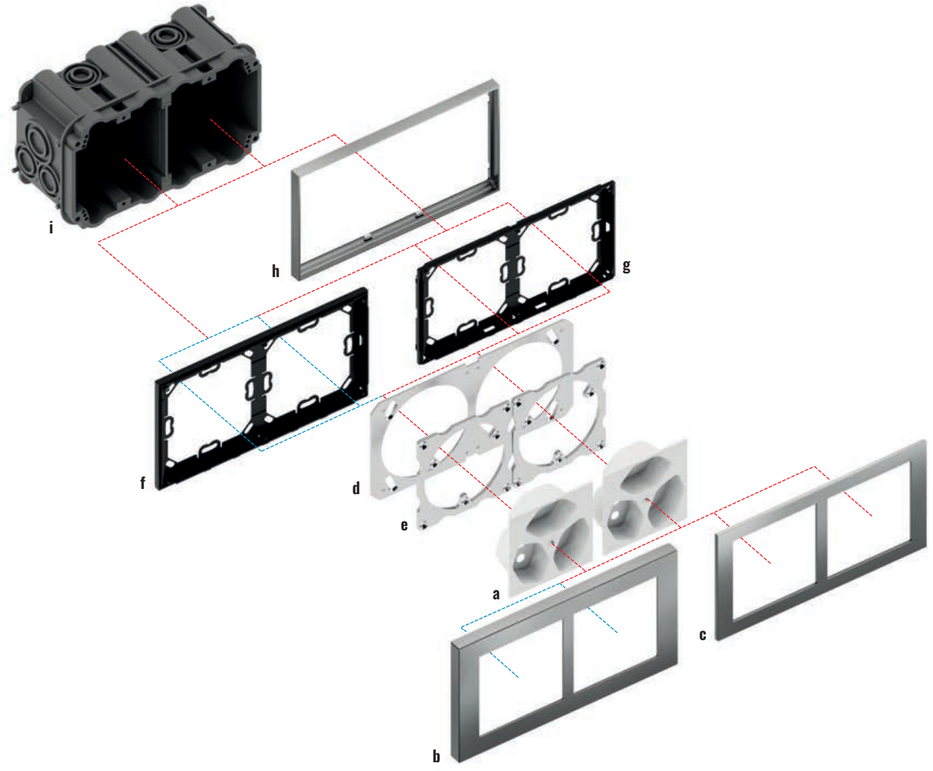
Description	Code
e) Double adapter for frame-free installation	EK-A71E-1-NF
f) Double box for masonry walls (centre distance 60 mm)	not delivered by Ekinex®
*) 60 x 60 mm windows	
**) Available for horizontal or vertical mounting	



Double pushbutton installation 20venti series + power socket (60 x 60 mm)

Description	Code
a) Pushbutton 20venti series	EK-E2E-TP-8
b) Power socket 60 x 60 mm	not delivered by Ekinex®
c) Deep double plate*	EK-D2H-...
d) Rectangular horizontal rockers	EK-T4R-20-...
e) Metal mounting support**	EK-SM2-CHY

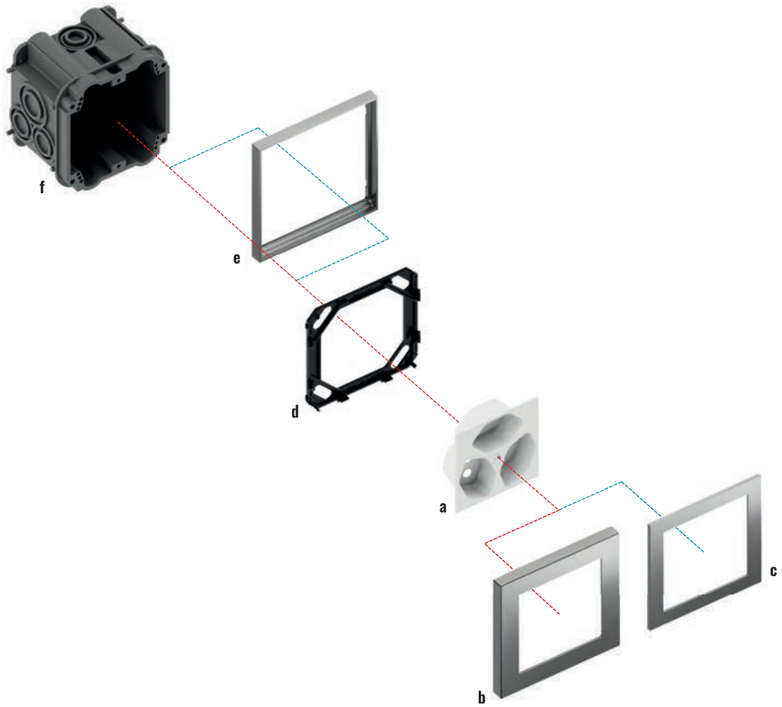
Description	Code
f) Metal mounting support**	EK-SM1-CHT
g) Double adapter for frame-free installation	EK-A71-1-NF
h) Double box for masonry walls (centre distance 60 mm)	not delivered by Ekinex®
*) 60 x 60 mm windows	
**) Available for horizontal or vertical mounting	



Double power sockets installation (60 x 60 mm)

Description	Code
a) Power socket 60 x 60 mm	not delivered by Ekinex®
b) Deep double plate*	EK-D2H-...
c) Double plate*	EK-P2H-...
d) Metal mounting support**	EK-SM2-CHZ
e) Metal mounting support**	EK-SM1-CHT
f) Double adapter for frame-free installation	EK-A71-1-NF

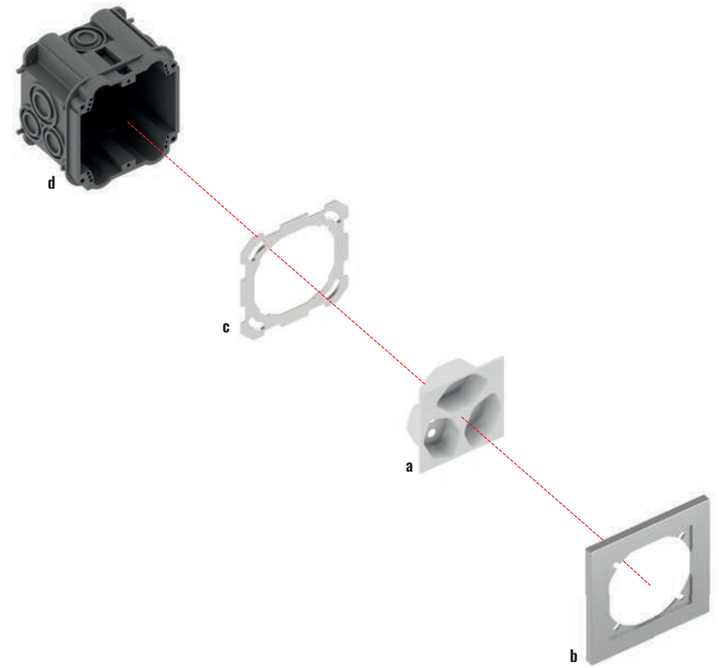
Description	Code
g) Adapter for double plate with a Form frame	EK-A71
h) Form version double frame	EK-FO2-...
i) Double box for masonry walls (centre distance 60 mm)	not delivered by Ekinex®
*) 60 x 60 mm windows	
**) Available for horizontal or vertical mounting	



Power socket installation (60 x 60 mm)

Description	Code
a) Power socket 60 x 60 mm	not delivered by Ekinex®
b) Deep square plate*	EK-D2C-...
c) Square plate*	EK-P2C-...
d) Adapter for square plate	EK-TAQ-1-CH

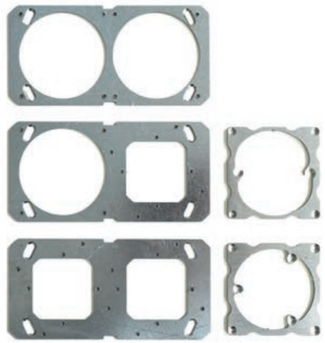
Description	Code
e) Form version square frame	EK-FOQ-...
f) Double box for masonry walls (centre distance 60 mm)	not delivered by Ekinex®
*) 60 x 60 mm windows	



Power socket installation Proxima series (60 x 60 mm)

Description	Code
a) Power socket 60 x 60 mm	not delivered by Ekinex®
b) Proxima square plate*	EK-PQA-F-...
c) Power socket adapter	not delivered by Ekinex®

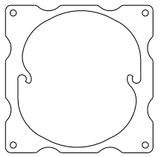
Description	Code
d) Double box for masonry walls (centre distance 60 mm)	not delivered by Ekinex®
*) 60 x 60 mm windows	



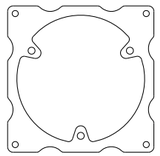
Mounting supports

WALL-MOUNT DEVICES

Single mounting supports
Single replacement metal support for mounting of single or triple socket (Feller). Fixing screws included.

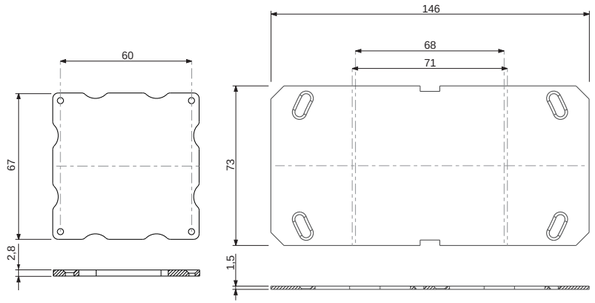


EK-SM1-CHS



EK-SM1-CHT

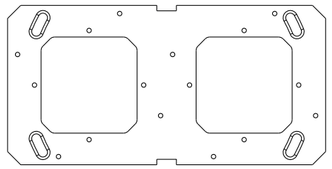
Dimensions [mm]



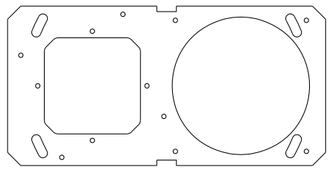
Order information

Code	Installation	Description
EK-SM1-CHS	single	Replacement metal support for (Feller 60 x 60 mm) single socket
EK-SM1-CHT		Replacement metal support for (Feller 60 x 60 mm) triple socket
EK-SM2-CHX	double horizontal vertical	2 seats for Ekinex® 20venti or 71 series devices
EK-SM2-CHY		1 seat for Ekinex® 20venti or 71 series device 1 seat for 1 single socket (Feller 60 x 60 mm)
EK-SM2-CHZ		2 seats for sockets (Feller 60 x 60 mm)

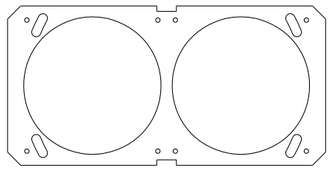
Double mounting supports (horizontal/vertical)
Double metal support for mounting two power sockets (Feller), one Ekinex® device from 20venti or 71 series and one power sockets (Feller), two Ekinex® devices from 20venti or 71 series. Fixing screws included.



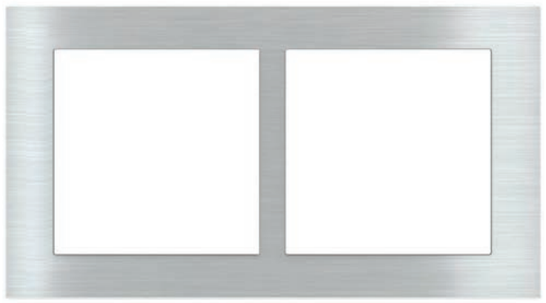
EK-SM2-CHX (centre distance 71 mm)



EK-SM2-CHY (centre distance 68 mm)



EK-SM2-CHZ (centre distance 68 mm)



Double plate with 68 or 71 mm centre distance window

WALL-MOUNT DEVICES

Description
Double plate with 60 x 60 mm windows for mounting two power sockets (Feller) at 68 mm centre distance, an Ekinex® 20venti or 71 series device and a power socket (Feller) and for mounting two Ekinex® 20venti or 71 series devices at 71 mm centre distance. Round box components must be 60 x 60 mm in size.

Main features
- In aluminium, Metal HT or Fenix NTM®
- Snap-on mounting on adapter

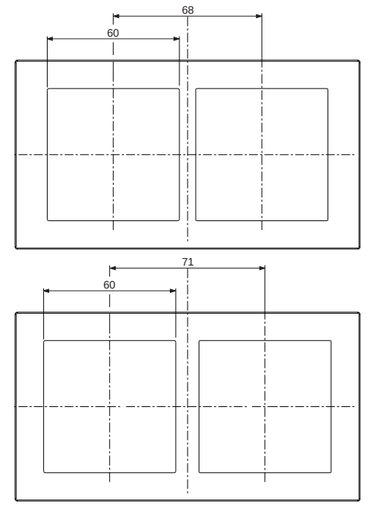
Order information

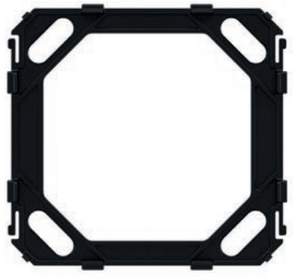
Code	Windows L x H [mm]	For use with	Package
EK-P2H-... ('NF)**	60 x 60	mounting with centre distance 68 mm	1 pcs.
EK-D2H-... (Deep)*			
EK-P2S-... ('NF)		mounting with centre distance 71 mm	
EK-D2S-... (Deep)			

For mounting P2H and D2H: please order adapter separately (see next page).
*) Not available in Technopolymer
**) Not available in Technopolymer and Metal HT

Order
Base-codes must be completed by adding extensions for material, colour and finishing (3 characters).

Dimensions [mm]





Adapter for square plate and power socket (Feller)

WALL-MOUNT DEVICES

Description

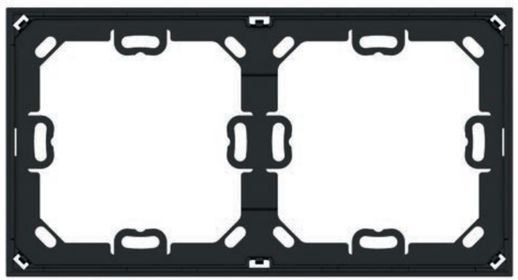
Adapter for snap-on mounting of a square plate together with a power socket (Feller).

Main features

- In plastic material

Order information

Code	For use with	Side profile	Package
EK-TAQ-1-CH	square plate with Form frame or without frame ('NF or Deep version) and a power socket (Feller)	black	1 pcs.



Adapter for double plate

WALL-MOUNT DEVICES

Description

Adapter for snap-on mounting of a double plate.

Main features

- In plastic material

Order information

Code	For use with	Side profile	Package
EK-A71	double plate with a Form frame	black	1 pcs.
EK-A71-1-NF	double plate of 71 series without frame ('NF version)		

Materials and finishes

WALL-MOUNT DEVICES

SIGNUM - 20VENTI - 71 - FF

Metal HT (Plates* - Rockers)



CRO Chrome | CBM Black Metal | CHA Champagne

Metal (Frames - Plates - Rockers)



GBQ Aluminium | GBR Nickel | GBS Titanium | GBU Carbon | GBC Brass 26

Fenix NTM® (Plates* - Rockers)



FBM White Malè | FBL Beige Luxor | FCO Beaver Ottawa | FGE Grey Efeso | FGL Grey London



FGB Grey Bromine | FVC Green Commodore | FCC Cocoa Orinoco | FNI Black Ingo

Technopolymer (Frames - Plates - Rockers)



GAR Pure White (RAL 9016) | GAA Warm White | GAE Intense Black (RAL 9005) | GAG Silver

PROXIMA

Metal (Frames - Plates - Rockers)



LAR Pure White (RAL 9016) | LAE Intense Black (RAL 9005) | SSB Steel Brushed | SBV Quantum Carbon | LBC Brass

Metal on request (Plates - Rockers)



LAA Warm White | LBL Beige Luxor | GBD Bronze Corked | GBH Dark Chocolate | GBO Antique Brass

ERA

Metallo (Frames - Plates - Rockers)



SSB Steel Brushed | SBV Quantum Carbon | GWB Warm Brass | GBD Bronze Corked

The finishes of our products are obtained through careful, high-quality processes.
Therefore, slight colour variations between different production batches are normal and reflect the uniqueness of our production process. * Deep and Surface plates only

Ekinex chooses Fenix NTM®

WALL-MOUNT DEVICES

A super opaque nanotech material, is an innovative interior design product, that combines elegant aesthetic solutions with state-of-the-art technological performance.

Fenix NTM® is an innovative interior design product, that combines elegant aesthetic solutions with state-of-the-art technological performance. The external surface involves the use of nanotechnology and it is characterized by next generation acrylic resins, hardened and fixed with Electron Beam Curing process opening up new avenues in the field of interior design. With low light reflectivity, its surface is extremely opaque, anti-fingerprint and features a very pleasant soft touch.

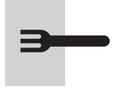
More information:
ekinex.com/en/material-and-finishes/fenix-ntm.html


Low light reflectivity


Thermal healing of micro scratches


Anti-fingerprint


Soft touch


Resistance to scratches and abrasion


Resistance to dry heat


High resistance to acid solvents and household reagents


Enhanced anti-bacterial properties


Hygienic


Suitable for contact with food


Easy to clean


Mold-resistant


Antistatic


Hydro-repellent


Dimensional stability even at high temperature changes


Resistance to impact


Light fastness


Excellent intensity and colour depth


Rub resistance


Self-supporting (only for 10 and 12 mm)

Symbols for customising rockers ERA series

WALL-MOUNT DEVICES

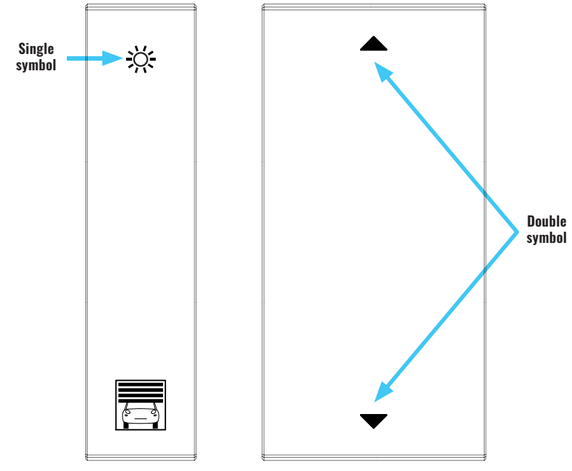
The ERA series device buttons can be customised using the symbols in the library shown on the following pages. On request, customisation using symbols and text specified by the customer is also possible.

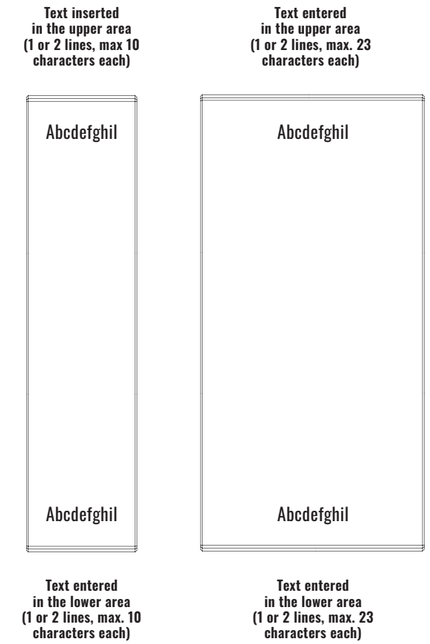
Vertical rectangular rockers
The base code extension includes 3 characters for material, colour and finish and 3 characters for symbols: of the latter, the first identifies the double symbol, the second and third the single symbol.

Single symbol
The single symbol is reproduced in the middle of the rectangular key, centred vertically and horizontally. If the second and third characters of the code extension are “0” (zero), this means that the key does not have a single symbol.

Double symbol
The double symbol is reproduced in the upper and lower areas of the rectangular key, centred horizontally. If the first character of the code extension is ‘0’ (zero), it means that the key does not have a double symbol.

Text
Vertical rectangular keys can be customised with text in the upper, middle and lower areas on 1 or 2 lines.





Symbols for customising plates Proxima series

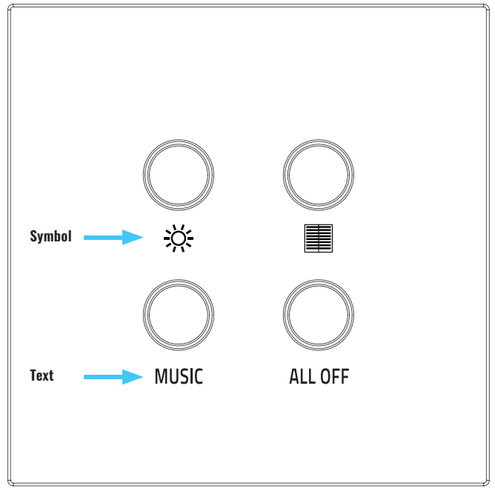
WALL-MOUNT DEVICES

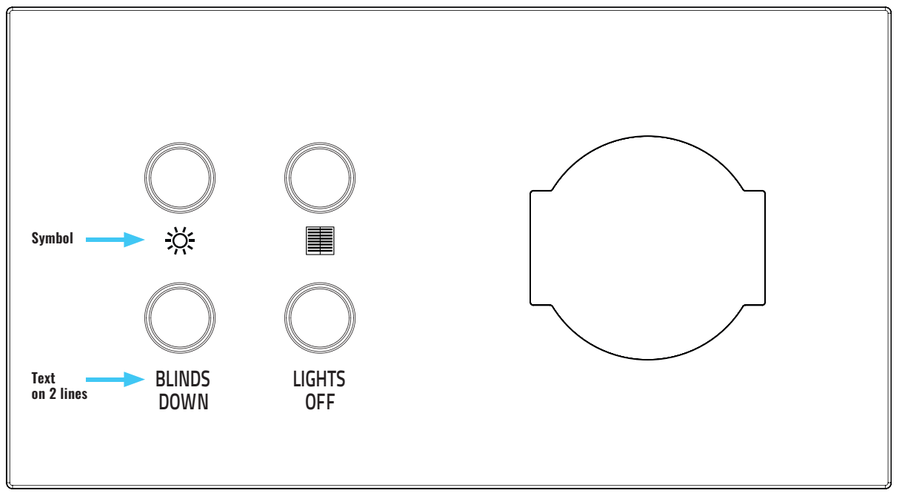
The plates for the Proxima series pushbuttons can be customised using the symbols in the library shown on the following pages. On request, customisation using symbols and text specified by the customer is also possible.

Square and double plate
The base code extension includes 3 characters for material, colour and finish and the letter 'P' indicating customisation using symbols or text.

Symbol
The symbol is reproduced in the centre below the round button, centred vertically and horizontally.

Text
The text is reproduced in the centre below the round button, centred vertically and horizontally on 1 or 2 lines and can contain a maximum of 12 characters (including spaces) per line.





Symbols for rockers customization

WALL-MOUNT DEVICES

Rockers for devices of 20venti, FF and 71 series can be customized with symbols from the library on the following pages. Upon request, it is also possible to customize rockers with symbols and text provided by the customer.

Square rockers
The code extension includes 3 characters identifying material, colour and finishing and 3 more characters identifying symbols. Within the last 3-character group, the first character identifies a double symbol, while the second and third characters identify a single symbol.

Single symbol
The single symbol is reproduced in the central part of the square rocker, centred both horizontally and vertically. If the second and third characters of the extension-code equal "0", the rocker has no single symbol.

Double symbol
The double symbol is reproduced in the upper and lower part of the square rocker, both centred horizontally. If the first character in the extension-code equals "0", the rocker has no double symbol.

Vertical rectangular rockers
The code extension includes 3 characters identifying material, colour and finishing and 3 more characters identifying symbols. Within the last 3-character group, the first character identifies a double symbol, while the second and third characters identify a single symbol.

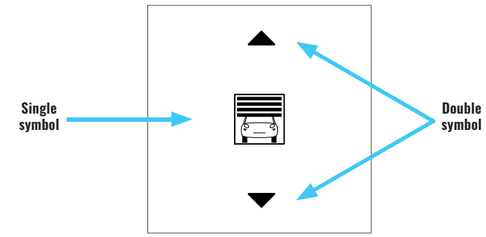
Single symbol
The single symbol is reproduced in the central part of the rectangular rocker, centred both horizontally and vertically. If the second and third characters of the extension-code equal "0", the rocker has no single symbol.

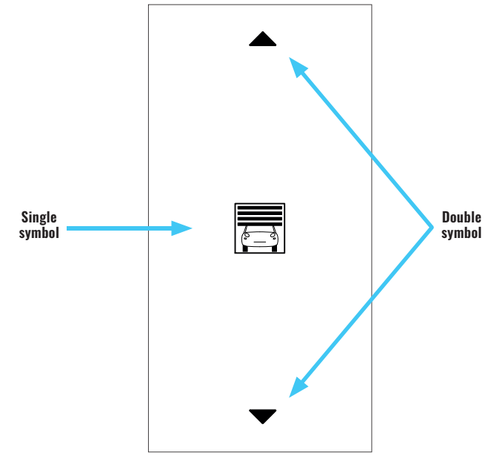
Double symbol
The double symbol is reproduced in the upper and lower part of the rectangular rocker, both centred horizontally. If the first character in the extension-code equals "0", the rocker has no double symbol.

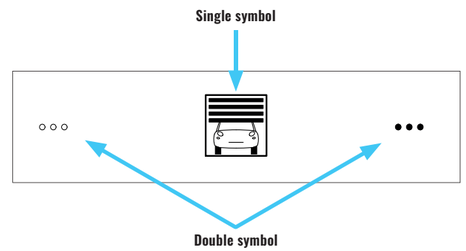
Horizontal rectangular rockers
The code extension includes 3 characters identifying material, colour and finishing and 3 more characters identifying symbols. Within the last 3-character group, the first character identifies a double symbol, while the second and third characters identify a single symbol.

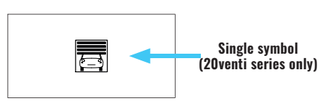
Single symbol
The single symbol is reproduced in the central part of the rectangular rocker, centred both horizontally and vertically. If the second and third characters of the extension-code equal "0", the rocker has no single symbol.

Double symbol
The double symbol is reproduced on the left and right sides of the rectangular rocker, vertically centred. If the first character in the extension-code equals "0", the rocker has no double symbol.

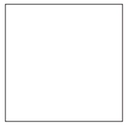








Single symbols



NS00 No symbol

Lighting



LI01 Dimming



LI02 Floor lamp



LI03 Wall lamp



LI04 Ceiling light pendant



LI05 Spotlight



LI06 Staircase lamp



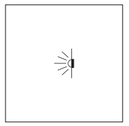
LI07 Outdoor lighting



LI08 Ceiling light



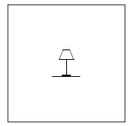
LI09 Lighting scene



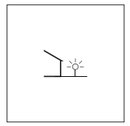
LI010 Wall lamp



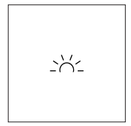
LI011 Floor lamp On



LI012 Floor lamp Off



LI013 External light



LI014 General lamp



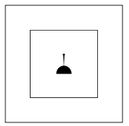
LI015 Spotlight pendant



LI016 Bulb light



LI016A Bulb light On



LI017 Ceiling light 2



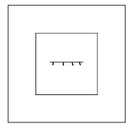
LI018 Ceiling light 3



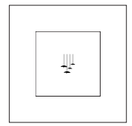
LI019 Ceiling light 4



LI020 Ceiling light 5



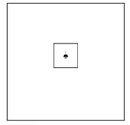
LI021 Ceiling light 6



LI022 Ceiling light 7



LI023 Ceiling light 8



LI024 Ceiling light 9



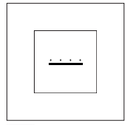
LI025 Ceiling light 10



LI026 Ceiling light 11



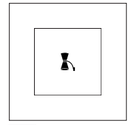
LI027 Ceiling light 12



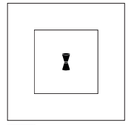
LI028 LED lighting



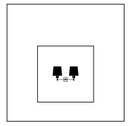
LI029 Strip LED



LI030 Wall lamp 2



LI031 Wall lamp 3



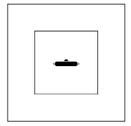
LI032 Wall lamp 4



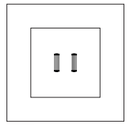
LI033 Wall lamp 5



LI034 Wall lamp 6



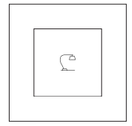
LI035 Wall lamp 7



LI036 Wall lamp 8



LI037 Wall lamp 9



LI038 Table Lighting

LI039 Floor lamp 2

LI040 Floor lamp 3

LI041 Ceiling light 13

Multimedia

MU01 Projector screen

MU02 Loudspeaker

MU03 Loudspeaker 2

MU04 Music On

MU05 Sound system

MU06 Sound system 2

MU07 Play

MU08 Stop

MU09 Pause

MU010 Rew

MU011 FFwd

MU012 TV

MU013 Wi-fi

Health and care

HC01 Buzzer

HC02 Disabled

HC03 First aid

HC04 Disabled 2

HC05 WC Women

HC06 WC Man

Door and garage

DO01 Garage open

DO02 Gate

DO03 Barrier

DO04 Pedestrian entrance

DO05 Roller, blind

DO06 Internal curtain

DO07 External curtain

DO08 Door lock

DO09 Unlock

DO010 Lock

DO011 Roof light windows open

DO012 Roof light window closed

DO013 External curtain 2

DO014 Garage closed

DO015 Garage open

DO016 Curtains open

DO017 Window closed

DO018 Window open

DO019 Roller, blind open

DO020 Roller, blind open (50%)

DO021 Roller, blind closed

DO022 Mosquito net

DO023 Curtain with embrasse

DO024 Door lock 2

DO025 Horizontal curtain

DO026 Vertical curtain

DO027 Classical curtain

DO028 Classical curtain 2

DO029 French curtain

DO030 Drapery

DO031 Tab top curtain

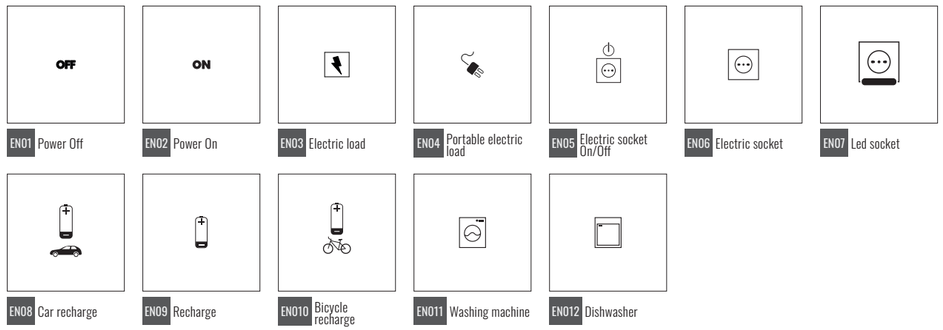
DO032 Pleat tent

Hotel



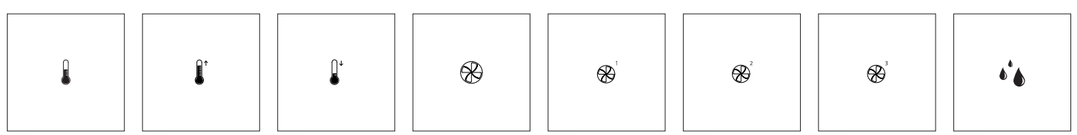
H001 Room service
H002 Service
H004 Make up room
H005 Hotel Card
H006 Do not disturb card
H008 Make up room 2
H009 Make up room 3
H010 Make up room 4

Energy



EN01 Power Off
EN02 Power On
EN03 Electric load
EN04 Portable electric load
EN05 Electric socket On/Off
EN06 Electric socket
EN07 Led socket
EN08 Car recharge
EN09 Recharge
EN010 Bicycle recharge
EN011 Washing machine
EN012 Dishwasher

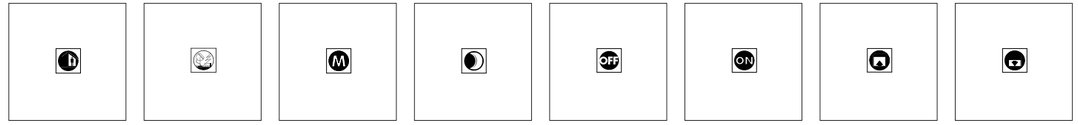
Climate



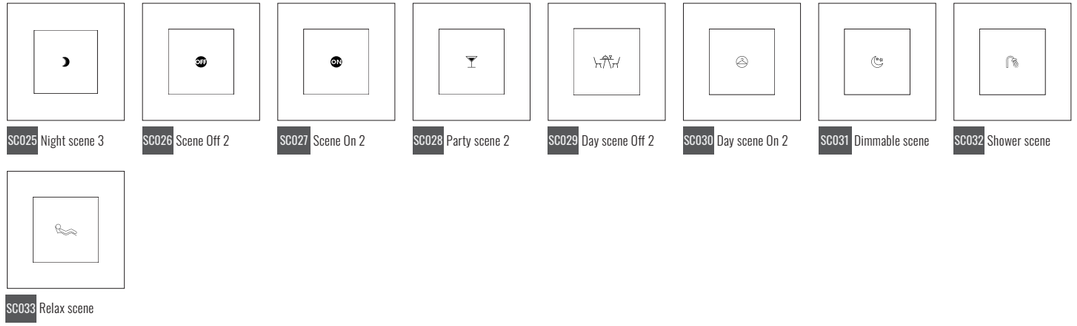
CL01 Temperature
CL02 Temperature increase
CL03 Temperature reduction
CL04 Fan
CL05 Fan speed 1
CL06 Fan speed 2
CL07 Fan speed 3
CL08 Humidity
CL09 Radiator

* Not available for 20venti series with backlit texts and symbols

Scenarios

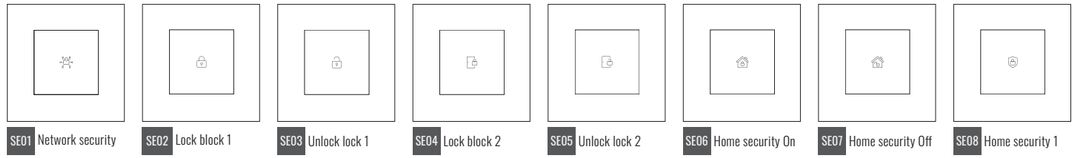


SC01 Comfort scenarios
SC02 External light scenarios
SC03 Manual scenarios
SC04 Night scenarios
SC05 Scenarios Off
SC06 Scenarios On
SC07 Roller opening scenarios
SC08 Roller closing scenarios
SC09 Curtains opening scenarios
SC010 Curtains closing scenarios
SC011 Party scenarios
SC012 Presence scenarios
SC013 Standby scenarios
SC014 Day scenarios On
SC015 Day scenarios Off
SC016 Presence
SC017 Presence 2
SC018 No presence scenarios
SC019 Irrigation scenarios
SC020 Clock
SC021 Day scene Off 2
SC022 Day scene On 2
SC023 Scenario dimmerazione
SC024 Night scene 2



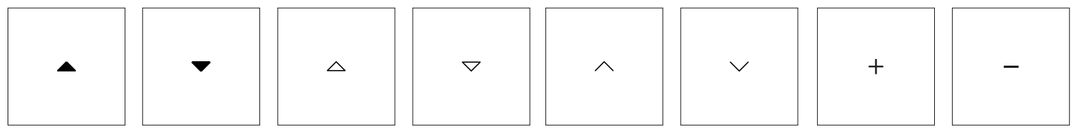
SC025 Night scene 3
SC026 Scene Off 2
SC027 Scene On 2
SC028 Party scene 2
SC029 Day scene Off 2
SC030 Day scene On 2
SC031 Dimmable scene
SC032 Shower scene
SC033 Relax scene

Security



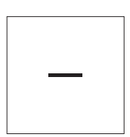
SE01 Network security
SE02 Lock block 1
SE03 Unlock lock 1
SE04 Lock block 2
SE05 Unlock lock 2
SE06 Home security On
SE07 Home security Off
SE08 Home security 1
SE09 Home security 2
SE010 Fire protection system
SE011 Fire sensor
SE012 Outdoor sensor
SE013 Security alarm (siren)
SE014 Light alert
SE015 Audible alarm
SE016 Smoke detector
SE017 Environmental alarm 1
SE018 Environmental alarm 2
SE019 Corner camera 1
SE020 Corner camera 2
SE021 Camera 3
SE022 Fixed camera
SE023 Active surveillance
SE023 Surveillance deactivated

Markers



MA01 Increment (full arrow)
MA02 Decrement (full arrow)
MA03 Increment (empty arrow)
MA04 Decrement (empty arrow)
MA05 Increment (simple arrow)
MA06 Decrement (simple arrow)
MA05 Increment (plus)
MA06 Decrement (minus)

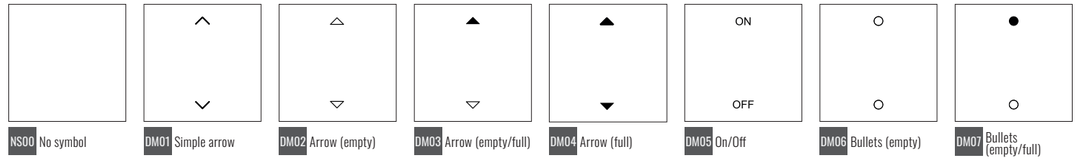
Status Led (20venti)



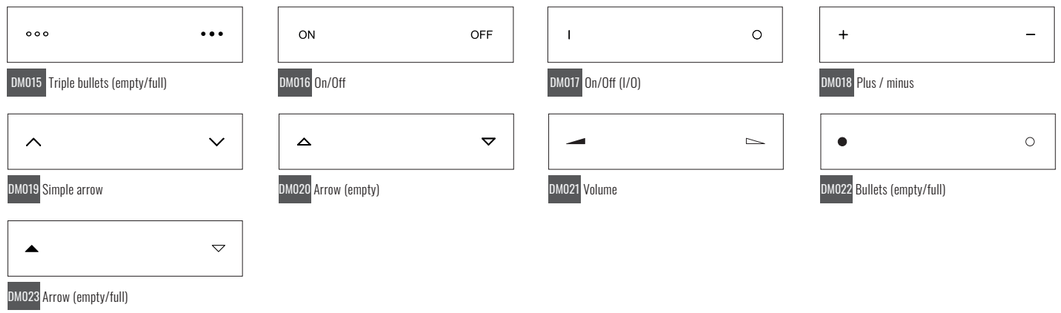
MA09 Status Led

Note. For convenience, all the symbols in this page are shown as they appear on square rockers. The same symbols may also be requested for rectangular rockers. The symbols shown here can be replaced by customised symbols or text on request.

Double symbols



NS00 No symbol
DM01 Simple arrow
DM02 Arrow (empty)
DM03 Arrow (empty/full)
DM04 Arrow (full)
DM05 On/Off
DM06 Bullets (empty)
DM07 Bullets (empty/full)
DM08 On/Off (I/O)
DM09 Plus / minus
DM010 Speed 1
DM011 Speed 2
DM012 Speed 3
DM013 Triple bullets (empty/full)
DM014 Volume

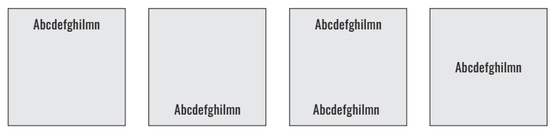


DM015 Triple bullets (empty/full)
DM016 On/Off
DM017 On/Off (I/O)
DM018 Plus / minus
DM019 Simple arrow
DM020 Arrow (empty)
DM021 Volume
DM022 Bullets (empty/full)
DM023 Arrow (empty/full)

Customization with text

WALL-MOUNT DEVICES

Square rockers can be customized with text to be shown in the upper, central or lower areas. Texts must be specified at order time.



Text added to upper area only (max 12 characters)
Text added to lower area only (max. 12 characters)
Text added to both upper and lower areas (max. 12 chars each)
Text added to central area only (1 or 2 lines, max. 12 chars each)

Horizontal rectangular rockers can be customized by means of text in their central area.



Text added to central area only (1 or 2 lines, max. 12 chars each)
Text added to central area only (max. 11 chars each) 20venti series only

Vertical rectangular rockers can be customized with text to be shown in the upper, central or lower areas.



Text added to upper area (max. 12 chars each)
Text added to central area (1 or 2 lines, max. 12 chars each)
Text added to lower area (max. 12 chars each)

How to order a rocker

Rockers for pushbuttons ERA series

WALL-MOUNT DEVICES

Rockers for pushbuttons ERA series.
The ordering code of a rocker is formed by a fixed part (EK-T2V- / EK-TEV-) plus a variable part which represents modularity, material, colour and finishing.

METAL

Modularity	Colour	Finishing	Code
rectangular vertical	steel brushed	brushed	EK-T2V-SSB
	quantum carbon		EK-T2V-SBV
	warm brass		EK-T2V-GWB
	bronze corked		EK-T2V-GBD
rectangular vertical	steel brushed	brushed	EK-TEV-2-SSB
	quantum carbon		EK-TEV-2-SBV
	warm brass		EK-TEV-2-GWB
	bronze corked		EK-TEV-2-GBD
rectangular vertical	steel brushed	brushed	EK-TEV-4-SSB
	quantum carbon		EK-TEV-4-SBV
	warm brass		EK-TEV-4-GWB
	bronze corked		EK-TEV-4-GBD

Rockers for pushbuttons Proxima series

WALL-MOUNT DEVICES

Rockers for pushbuttons Proxima series.
The ordering code of a rocker is formed by a fixed part (EK-TTP-) plus a variable part which represents modularity, material, colour and finishing.

METAL

Modularity	Colour	Finishing	Code
○ round (1 rocker Ø 11 mm)	steel brushed	brushed	EK-TTP-1-SSB
	quantum carbon		EK-TTP-1-SBV
	brass		EK-TTP-1-LBC
	dark chocolate		EK-TTP-1-GBH
	antique brass		EK-TTP-1-GBO
	bianco puro RAL 9016		EK-TTP-1-LAR
	bianco caldo		EK-TTP-1-LAA
	nero opaco RAL 9005		EK-TTP-1-LAE
	beige luxor		EK-TTP-1-LBL
	bronze corked		EK-TTP-1-GBD
○ ○ round (2 rockers Ø 11 mm)	steel brushed	brushed	EK-TTP-2-SSB
	quantum carbon		EK-TTP-2-SBV
	brass		EK-TTP-2-LBC
	dark chocolate		EK-TTP-2-GBH
	antique brass		EK-TTP-2-GBO
	bianco puro RAL 9016		EK-TTP-2-LAR
	bianco caldo		EK-TTP-2-LAA
	nero opaco RAL 9005		EK-TTP-2-LAE
	beige luxor		EK-TTP-2-LBL
	bronze corked		EK-TTP-2-GBD
○ ○ ○ ○ round (4 rockers Ø 11 mm)	steel brushed	brushed	EK-TTP-4-SSB
	quantum carbon		EK-TTP-4-SBV
	brass		EK-TTP-4-LBC
	dark chocolate		EK-TTP-4-GBH
	antique brass		EK-TTP-4-GBO
	bianco puro RAL 9016		EK-TTP-4-LAR
	bianco caldo		EK-TTP-4-LAA
	nero opaco RAL 9005		EK-TTP-4-LAE
	beige luxor		EK-TTP-4-LBL
	bronze corked		EK-TTP-4-GBD

How to order a rocker

Rockers for pushbuttons 20venti series

WALL-MOUNT DEVICES

Rockers for 4-fold pushbutton 20venti series.
The ordering code of a rocker is formed by a fixed part (EK-T) plus a variable part which represents modularity, material, colour, finishing and customization codes as shown in symbol library.

PLASTIC MATERIAL

Modularity	Colour	Code
rectangular backlit text/symbols (4 rockers 30 x 15 mm)	white	EK-T4R-20-GAA
	pure white RAL 9016	EK-T4R-20-GAR
	intense black RAL 9005	EK-T4R-20-GAE
	silver	EK-T4R-20-GAG
rectangular dimmer (1 rocker 30 x 15 mm)	white	EK-T2B-20-GAA
	pure white RAL 9016	EK-T2B-20-GAR
	intense black RAL 9005	EK-T2B-20-GAE
	silver	EK-T2B-20-GAG

METAL-EFFECT PAINTING

Modularity	Colour	Code
rectangular backlit text/symbols (4 rockers 30 x 15 mm)	aluminium	EK-T4R-20-GBQ
	nickel	EK-T4R-20-GBR
	titanium	EK-T4R-20-GBS
	carbon	EK-T4R-20-GBU
	brass	EK-T4R-20-GBB
rectangular dimmer (1 rocker 30 x 15 mm)	aluminium	EK-T2B-20-GBQ
	nickel	EK-T2B-20-GBR
	titanium	EK-T2B-20-GBS
	carbon	EK-T2B-20-GBU
	brass	EK-T2B-20-GBB

FENIX NTM®-EFFECT PAINTING

Modularity	Colour	Code
rectangular backlit text/symbols (4 rockers 30 x 15 mm)	malè white	EK-T4R-20-FBM
	beige luxor	EK-T4R-20-FBL
	beaver ottawa	EK-T4R-20-FCO
	cocoa orinoco	EK-T4R-20-FCC
	grey efeso	EK-T4R-20-FGE
	grey london	EK-T4R-20-FGL
	grey bromine	EK-T4R-20-FGB
	green commodore	EK-T4R-20-FVC
	black ingo	EK-T4R-20-FNI
rectangular dimmer (1 rocker 30 x 15 mm)	malè white	EK-T2B-20-FBM
	beige luxor	EK-T2B-20-FBL
	beaver ottawa	EK-T2B-20-FCO
	cocoa orinoco	EK-T2B-20-FCC
	grey efeso	EK-T2B-20-FGE
	grey london	EK-T2B-20-FGL
	grey bromine	EK-T2B-20-FGB
	green commodore	EK-T2B-20-FVC
	black ingo	EK-T2B-20-FNI

Rockers for pushbuttons FF series

WALL-MOUNT DEVICES

Rockers for 4-fold pushbutton FF series.
The ordering code of a rocker is formed by a fixed part (EK-T) plus a variable part which represents modularity, material, colour, finishing and customization codes as shown in symbol library.

PLASTIC MATERIAL

Modularity	Colour	Finishing	Code
square	white	normal	EK-TQQ-GAA
	pure white RAL 9016		EK-TQQ-GAR
	intense black RAL 9005		EK-TQQ-GAE
	silver		EK-TQQ-GAG
rectangular (vertical)	white		EK-TRV-GAA
	pure white RAL 9016		EK-TRV-GAR
	intense black RAL 9005		EK-TRV-GAE
	silver		EK-TRV-GAG
rectangular (horizontal)	white		EK-TRO-GAA
	pure white RAL 9016		EK-TRO-GAR
	intense black RAL 9005		EK-TRO-GAE
	silver		EK-TRO-GAG

METAL HT

Modularity	Colour	Finishing	Code
square	chrome	chrome plated	EK-TQQ-CRO
	black metal		EK-TQQ-CBM
	champagne		EK-TQQ-CHA
rectangular (vertical)	chrome		EK-TRV-CRO
	black metal		EK-TRV-CBM
	champagne		EK-TRV-CHA
rectangular (horizontal)	chrome		EK-TRO-CRO
	black metal		EK-TRO-CBM
	champagne		EK-TRO-CHA

ALUMINIUM

Modularity	Colour	Finishing	Code
square	aluminium	brushed	EK-TQQ-GBQ
	nickel		EK-TQQ-GBR
	titanium		EK-TQQ-GBS
	carbon		EK-TQQ-GBU
	brass		EK-TQQ-GBB
rectangular (vertical)	aluminium		EK-TRV-GBQ
	nickel		EK-TRV-GBR
	titanium		EK-TRV-GBS
	carbon		EK-TRV-GBU
	brass		EK-TRV-GBB
rectangular (horizontal)	aluminium		EK-TRO-GBQ
	nickel		EK-TRO-GBR
	titanium		EK-TRO-GBS
	carbon		EK-TRO-GBU
	brass		EK-TRO-GBB

FENIX NTM®

Modularity	Colour	Code
square	malè white	EK-TQQ-FBM
	beige luxor	EK-TQQ-FBL
	beaver ottawa	EK-TQQ-FCO
	cocoa orinoco	EK-TQQ-FCC
	grey efeso	EK-TQQ-FGE
	grey london	EK-TQQ-FGL
	grey bromine	EK-TQQ-FGB
	green commodore	EK-TQQ-FVC
	black ingo	EK-TQQ-FNI
rectangular vertical	malè white	EK-TRV-FBM
	beige luxor	EK-TRV-FBL
	beaver ottawa	EK-TRV-FCO
	cocoa orinoco	EK-TRV-FCC
	grey efeso	EK-TRV-FGE
	grey london	EK-TRV-FGL
	grey bromine	EK-TRV-FGB
	green commodore	EK-TRV-FVC
	black ingo	EK-TRV-FNI
rectangular horizontal	malè white	EK-TRO-FBM
	beige luxor	EK-TRO-FBL
	beaver ottawa	EK-TRO-FCO
	cocoa orinoco	EK-TRO-FCC
	grey efeso	EK-TRO-FGE
	grey london	EK-TRO-FGL
	grey bromine	EK-TRO-FGB
	green commodore	EK-TRO-FVC
	black ingo	EK-TRO-FNI

Kit 2 rockers for room thermostats FF series

WALL-MOUNT DEVICES

PLASTIC MATERIAL

Modularity	Colour	Finishing	Code
square	white	normal	EK-TQQ-GAA-EP2
	pure white RAL 9016		EK-TQQ-GAR-EP2
	intense black RAL 9005		EK-TQQ-GAE-EP2
	silver		EK-TQQ-GAG-EP2

Note. The kit includes 2 rockers customized with symbols for the control of thermostats functions.

ALUMINIUM

Modularity	Colour	Finishing	Code
square	aluminium	brushed	EK-TQQ-GBQ-EP2
	nickel		EK-TQQ-GBR-EP2
	titanium		EK-TQQ-GBS-EP2
	carbon		EK-TQQ-GBU-EP2
	brass		EK-TQQ-GBB-EP2

Note. The kit includes 2 rockers customized with symbols for the control of thermostats functions.

METAL HT

Modularity	Colour	Finishing	Code
square	chrome	chrome plated	EK-TQQ-CRO-EP2
	black metal		EK-TQQ-CBM-EP2
	champagne		EK-TQQ-CHA-EP2

Note. The kit includes 2 rockers customized with symbols for the control of thermostats functions.

FENIX NTM®

Modularity	Colour	Code
square	malè white	EK-TQQ-FBM-EP2
	beige luxor	EK-TQQ-FBL-EP2
	beaver ottawa	EK-TQQ-FCO-EP2
	cocoa orinoco	EK-TQQ-FCC-EP2
	grey efeso	EK-TQQ-FGE-EP2
	grey london	EK-TQQ-FGL-EP2
	grey bromine	EK-TQQ-FGB-EP2
	green commodore	EK-TQQ-FVC-EP2
	black ingo	EK-TQQ-FNI-EP2

Note. The kit includes 2 rockers customized with symbols for the control of thermostats functions.

Rockers for pushbuttons 71 series

WALL-MOUNT DEVICES

Rockers for 4-fold pushbutton 71 series.

The ordering code of a rocker is formed by a fixed part (EK-T) plus a variable part which represents modularity, material, colour, finishing and customization codes as shown in symbol library.

PLASTIC MATERIAL

Modularity	Colour	Finishing	Code
square (1 rocker 60 x 60 mm)	white	normal	EK-T1Q-GAA
	pure white RAL 9016		EK-T1Q-GAR
	intense black RAL 9005		EK-T1Q-GAE
	silver		EK-T1Q-GAG
rectangular vertical (2 rockers 30 x 60 mm)	white		EK-T2R-GAA
	pure white RAL 9016		EK-T2R-GAR
	intense black RAL 9005		EK-T2R-GAE
	silver		EK-T2R-GAG
square (4 rockers 30 x 30 mm)	white		EK-T4Q-GAA
	pure white RAL 9016		EK-T4Q-GAR
	intense black RAL 9005		EK-T4Q-GAE
	silver		EK-T4Q-GAG
rectangular horizontal (4 rockers 60 x 15 mm)	white		EK-T4R-GAA
	pure white RAL 9016		EK-T4R-GAR
	intense black RAL 9005		EK-T4R-GAE
	silver		EK-T4R-GAG

METAL

Modularity	Colour	Finishing	Code
square (1 rocker 60 x 60 mm)	aluminium	brushed	EK-T1Q-GBQ
	nickel		EK-T1Q-GBR
	titanium		EK-T1Q-GBS
	carbon		EK-T1Q-GBU
	brass		EK-T1Q-GBB
rectangular vertical (2 rockers 30 x 60 mm)	aluminium		EK-T2R-GBQ
	nickel		EK-T2R-GBR
	titanium		EK-T2R-GBS
	carbon		EK-T2R-GBU
	brass		EK-T2R-GBB
square (4 rockers 30 x 30 mm)	aluminium		EK-T4Q-GBQ
	nickel		EK-T4Q-GBR
	titanium		EK-T4Q-GBS
	carbon		EK-T4Q-GBU
	brass		EK-T4Q-GBB
rectangular horizontal (4 rockers 60 x 15 mm)	aluminium		EK-T4R-GBQ
	nickel		EK-T4R-GBR
	titanium		EK-T4R-GBS
	carbon		EK-T4R-GBU
	brass		EK-T4R-GBB

METAL HT

Modularity	Colour	Finishing	Code
square (1 rocker 60 x 60 mm)	chrome	chrome plated	EK-T1Q-CRO
	black metal		EK-T1Q-CBM
	champagne		EK-T1Q-CHA
rectangular vertical (2 rockers 30 x 60 mm)	chrome		EK-T2R-CRO
	black metal		EK-T2R-CBM
	champagne		EK-T2R-CHA
square (4 rockers 30 x 30 mm)	chrome		EK-T4Q-CRO
	black metal		EK-T4Q-CBM
	champagne		EK-T4Q-CHA
rectangular horizontal (4 rockers 60 x 15 mm)	chrome		EK-T4R-CRO
	black metal		EK-T4R-CBM
	champagne		EK-T4R-CHA

FENIX NTM®

Modularity	Colour	Code
square (1 rocker 60 x 60 mm)	malè white	EK-T1Q-FBM
	beige luxor	EK-T1Q-FBL
	beaver ottawa	EK-T1Q-FCO
	cocoa orinoco	EK-T1Q-FCC
	grey efeso	EK-T1Q-FGE
	grey london	EK-T1Q-FGL
	grey bromine	EK-T1Q-FGB
	green commodore	EK-T1Q-FVC
	black ingo	EK-T1Q-FNI
rectangular vertical (2 rockers 30 x 60 mm)	malè white	EK-T2R-FBM
	beige luxor	EK-T2R-FBL
	beaver ottawa	EK-T2R-FCO
	cocoa orinoco	EK-T2R-FCC
	grey efeso	EK-T2R-FGE
	grey london	EK-T2R-FGL
	grey bromine	EK-T2R-FGB
	green commodore	EK-T2R-FVC
	black ingo	EK-T2R-FNI
square (4 rockers 30 x 30 mm)	malè white	EK-T4Q-FBM
	beige luxor	EK-T4Q-FBL
	beaver ottawa	EK-T4Q-FCO
	cocoa orinoco	EK-T4Q-FCC
	grey efeso	EK-T4Q-FGE
	grey london	EK-T4Q-FGL
	grey bromine	EK-T4Q-FGB
	green commodore	EK-T4Q-FVC
	black ingo	EK-T4Q-FNI
rectangular horizontal (4 rockers 60 x 15 mm)	malè white	EK-T4R-FBM
	beige luxor	EK-T4R-FBL
	beaver ottawa	EK-T4R-FCO
	cocoa orinoco	EK-T4R-FCC
	grey efeso	EK-T4R-FGE
	grey london	EK-T4R-FGL
	grey bromine	EK-T4R-FGB
	green commodore	EK-T4R-FVC
	black ingo	EK-T4R-FNI

How to order a front cover

Multisensors

WALL-MOUNT DEVICES

Front cover - Multisensors
The ordering code of a rocker is formed by a fixed part (EK-T) plus a variable part which represents modularity, material, colour, finishing and model.

PLASTIC MATERIAL

Modularity	Colour	Finishing	Code	
Front cover Multisensor (60 x 60 mm)	white	normal	EK-T1Q-GAA-ET2	EK-T1Q-GAA-ES2
	pure white RAL 9016		EK-T1Q-GAR-ET2	EK-T1Q-GAR-ES2
	intense black RAL 9005		EK-T1Q-GAE-ET2	EK-T1Q-GAE-ES2
	silver		EK-T1Q-GAG-ET2	EK-T1Q-GAG-ES2

METAL

Modularity	Colour	Finishing	Code	
Front cover Multisensor (60 x 60 mm)	aluminium	brushed	EK-T1Q-GBQ-ET2	EK-T1Q-GBQ-ES2
	nickel		EK-T1Q-GBR-ET2	EK-T1Q-GBR-ES2
	titanium		EK-T1Q-GBS-ET2	EK-T1Q-GBS-ES2
	carbon		EK-T1Q-GBU-ET2	EK-T1Q-GBU-ES2
	brass		EK-T1Q-GBB-ET2	EK-T1Q-GBB-ES2

METAL HT

Modularity	Colour	Finishing	Code	
Front cover Multisensor (60 x 60 mm)	chrome	chrome plated	EK-T1Q-CRO-ET2	EK-T1Q-CRO-ES2
	black metal		EK-T1Q-CBM-ET2	EK-T1Q-CBM-ES2
	champagne		EK-T1Q-CHA-ET2	EK-T1Q-CHA-ES2

FENIX NTM®

Modularity	Colour	Finishing	Code	
Front cover Multisensor (60 x 60 mm)	malè white		EK-T1Q-FBM-ET2	EK-T1Q-FBM-ES2
	beige luxor		EK-T1Q-FBL-ET2	EK-T1Q-FBL-ES2
	beaver ottawa		EK-T1Q-FCO-ET2	EK-T1Q-FCO-ES2
	cocoa orinoco		EK-T1Q-FCC-ET2	EK-T1Q-FCC-ES2
	grey efeso		EK-T1Q-FGE-ET2	EK-T1Q-FGE-ES2
	grey london		EK-T1Q-FGL-ET2	EK-T1Q-FGL-ES2
	grey bromine		EK-T1Q-FGB-ET2	EK-T1Q-FGB-ES2
	green commodore		EK-T1Q-FVC-ET2	EK-T1Q-FVC-ES2
	black ingo		EK-T1Q-FNI-ET2	EK-T1Q-FNI-ES2

Keystone system

WALL-MOUNT DEVICES

Keystone cover.
The ordering code of a rocker is formed by a fixed part (EK-KSC) plus a variable part which represents modularity, material, colour and finishing.

PLASTIC MATERIAL

Modularity	Colour	Code	
Keystone cover (55 x 55 mm)	white	EK-KSC-1-GAA	EK-KSC-2-GAA
	pure white RAL 9016	EK-KSC-1-GAR	EK-KSC-2-GAR
	intense black RAL 9005	EK-KSC-1-GAE	EK-KSC-2-GAE
	silver	EK-KSC-1-GAG	EK-KSC-2-GAG

METAL-EFFECT PAINTING

Modularity	Colour	Code	
Keystone cover (55 x 55 mm)	aluminium	EK-KSC-1-GBQ	EK-KSC-2-GBQ
	nickel	EK-KSC-1-GBR	EK-KSC-2-GBR
	titanium	EK-KSC-1-GBS	EK-KSC-2-GBS
	carbon	EK-KSC-1-GBU	EK-KSC-2-GBU
	brass	EK-KSC-1-GBB	EK-KSC-2-GBB

METAL HT

Modularity	Colour	Finishing	Code	
Keystone cover (55 x 55 mm)	chrome	chrome plated	EK-KSC-1-CRO	EK-KSC-2-CRO
	black metal		EK-KSC-1-CBM	EK-KSC-2-CBM
	champagne		EK-KSC-1-CHA	EK-KSC-2-CHA

FENIX NTM®-EFFECT PAINTING

Modularity	Colour	Code	
Keystone cover (55 x 55 mm)	malè white	EK-KSC-1-FBM	EK-KSC-2-FBM
	beige luxor	EK-KSC-1-FBL	EK-KSC-2-FBL
	beaver ottawa	EK-KSC-1-FCO	EK-KSC-2-FCO
	cocoa orinoco	EK-KSC-1-FCC	EK-KSC-2-FCC
	grey efeso	EK-KSC-1-FGE	EK-KSC-2-FGE
	grey london	EK-KSC-1-FGL	EK-KSC-2-FGL
	grey bromine	EK-KSC-1-FGB	EK-KSC-2-FGB
	green commodore	EK-KSC-1-FVC	EK-KSC-2-FVC
	black ingo	EK-KSC-1-FNI	EK-KSC-2-FNI

Hole cover

WALL-MOUNT DEVICES

Hole cover.
The ordering code of a rocker is formed by a fixed part (EK-A55) plus a variable part which represents modularity, material, colour and finishing.

PLASTIC MATERIAL

Modularity	Colour	Code
Hole cover (55 x 55 mm)	white	EK-A55-GAA
	pure white RAL 9016	EK-A55-GAR
	intense black RAL 9005	EK-A55-GAE
	silver	EK-A55-GAG

METAL-EFFECT PAINTING

Modularity	Colour	Code
Hole cover (55 x 55 mm)	aluminium	EK-A55-GBQ
	nickel	EK-A55-GBR
	titanium	EK-A55-GBS
	carbon	EK-A55-GBU
	brass	EK-A55-GBB

METAL HT

Modularity	Colour	Finishing	Code
Hole cover (55 x 55 mm)	chrome	chrome plated	EK-A55-CRO
	black metal		EK-A55-CBM
	champagne		EK-A55-CHA

FENIX NTM®-EFFECT PAINTING

Modularity	Colour	Code
Hole cover (55 x 55 mm)	malè white	EK-A55-FBM
	beige luxor	EK-A55-FBL
	beaver ottawa	EK-A55-FCO
	cocoa orinoco	EK-A55-FCC
	grey efeso	EK-A55-FGE
	grey london	EK-A55-FGL
	grey bromine	EK-A55-FGB
	green commodore	EK-A55-FVC
	black ingo	EK-A55-FNI

Power sockets

WALL-MOUNT DEVICES

Power socket

The ordering code for the coloured cover of an power socket is formed by a fixed part (EK-PSC) and a variable part depending on the version (Italian or Schuko) and the colour. The ordering code for the power socket body only is EK-PWS-. (IT - DE - FR - UK).

PLASTIC MATERIAL

Version	Dimensions	Colour	Finishing	Code
Italian	55 x 55 mm	white	normal	EK-PSC-IT-GAA
		pure white RAL 9016		EK-PSC-IT-GAR
		intense black RAL 9005		EK-PSC-IT-GAE
		silver		EK-PSC-IT-GAG
UK	55 x 55 mm	white		EK-PSC-UK-GAA
		pure white RAL 9016		EK-PSC-UK-GAR
		intense black RAL 9005		EK-PSC-UK-GAE
		silver		EK-PSC-UK-GAG

Version	Dimensions	Colour	Finishing	Code
Schuko	55 x 55 mm	white	normal	EK-PSC-DE-GAA
		pure white RAL 9016		EK-PSC-DE-GAR
		intense black RAL 9005		EK-PSC-DE-GAE
		silver		EK-PSC-DE-GAG
French	55 x 55 mm	white		EK-PSC-FR-GAA
		pure white RAL 9016		EK-PSC-FR-GAR
		intense black RAL 9005		EK-PSC-FR-GAE
		silver		EK-PSC-FR-GAG

METAL-EFFECT PAINTING

Version	Dimensions	Colour	Code
Italian	55 x 55 mm	aluminium	EK-PSC-IT-GBQ
		nickel	EK-PSC-IT-GBR
		titanium	EK-PSC-IT-GBS
		carbon	EK-PSC-IT-GBU
		brass	EK-PSC-IT-GBB
UK	55 x 55 mm	aluminium	EK-PSC-UK-GBQ
		nickel	EK-PSC-UK-GBR
		titanium	EK-PSC-UK-GBS
		carbon	EK-PSC-UK-GBU
		brass	EK-PSC-UK-GBB

Version	Dimensions	Colour	Code
Schuko	55 x 55 mm	aluminium	EK-PSC-FR-GBQ
		nickel	EK-PSC-FR-GBR
		titanium	EK-PSC-FR-GBS
		carbon	EK-PSC-FR-GBU
		brass	EK-PSC-FR-GBB
French	55 x 55 mm	aluminium	EK-PSC-FR-GBQ
		nickel	EK-PSC-FR-GBR
		titanium	EK-PSC-FR-GBS
		carbon	EK-PSC-FR-GBU
		brass	EK-PSC-FR-GBB

METAL HT

Version	Dimensions	Colour	Code
Italian	55 x 55 mm	chrome	EK-PSC-IT-CRO
		black metal	EK-PSC-IT-CBM
		champagne	EK-PSC-IT-CHA
UK	55 x 55 mm	chrome	EK-PSC-UK-CRO
		black metal	EK-PSC-UK-CBM
		champagne	EK-PSC-UK-CHA

Version	Dimensions	Colour	Code
Schuko	55 x 55 mm	chrome	EK-PSC-DE-CRO
		black metal	EK-PSC-DE-CBM
		champagne	EK-PSC-DE-CHA
French	55 x 55 mm	chrome	EK-PSC-FR-CRO
		black metal	EK-PSC-FR-CBM
		champagne	EK-PSC-FR-CHA

FENIX NTM®-EFFECT PAINTING

Version	Dimensions	Colour	Code
Italian	55 x 55 mm	malè white	EK-PSC-IT-FBM
		beige luxor	EK-PSC-IT-FBL
		beaver ottawa	EK-PSC-IT-FCO
		cocoa orinoco	EK-PSC-IT-FCC
		grey efeso	EK-PSC-IT-FGE
		grey london	EK-PSC-IT-FGL
		grey bromine	EK-PSC-IT-FGB
		green commodore	EK-PSC-IT-FVC
		black ingo	EK-PSC-IT-FNI
UK	55 x 55 mm	malè white	EK-PSC-UK-FBM
		beige luxor	EK-PSC-UK-FBL
		beaver ottawa	EK-PSC-UK-FCO
		cocoa orinoco	EK-PSC-UK-FCC
		grey efeso	EK-PSC-UK-FGE
		grey london	EK-PSC-UK-FGL
		grey bromine	EK-PSC-UK-FGB
		green commodore	EK-PSC-UK-FVC
		black ingo	EK-PSC-UK-FNI

Version	Dimensions	Colour	Code
Schuko	55 x 55 mm	malè white	EK-PSC-DE-FBM
		beige luxor	EK-PSC-DE-FBL
		beaver ottawa	EK-PSC-DE-FCO
		cocoa orinoco	EK-PSC-DE-FCC
		grey efeso	EK-PSC-DE-FGE
		grey london	EK-PSC-DE-FGL
		grey bromine	EK-PSC-DE-FGB
		green commodore	EK-PSC-DE-FVC
		black ingo	EK-PSC-DE-FNI
French	55 x 55 mm	malè white	EK-PSC-FR-FBM
		beige luxor	EK-PSC-FR-FBL
		beaver ottawa	EK-PSC-FR-FCO
		cocoa orinoco	EK-PSC-FR-FCC
		grey efeso	EK-PSC-FR-FGE
		grey london	EK-PSC-FR-FGL
		grey bromine	EK-PSC-FR-FGB
		green commodore	EK-PSC-FR-FVC
		black ingo	EK-PSC-FR-FNI

Power sockets USB

WALL-MOUNT DEVICES

Power socket USB A/C

The ordering code for the coloured cover of an power socket is formed by a fixed part (EK-PSC) and a variable part depending on the version (Italian or Schuko) and the colour. The ordering code for the power socket USB body only is EK-PWS-..-USB (IT - DE - FR - UK).

PLASTIC MATERIAL

Version	Dimensions	Colour	Finishing	Code
Italian	55 x 55 mm	white	normal	EK-PSC-IT-USB-GAA
		pure white RAL 9016		EK-PSC-IT-USB-GAR
		intense black RAL 9005		EK-PSC-IT-USB-GAE
		silver		EK-PSC-IT-USB-GAG
UK	55 x 55 mm	white		EK-PSC-UK-USB-GAA
		pure white RAL 9016		EK-PSC-UK-USB-GAR
		intense black RAL 9005		EK-PSC-UK-USB-GAE
		silver		EK-PSC-UK-USB-GAG

Version	Dimensions	Colour	Finishing	Code
Schuko	55 x 55 mm	white	normal	EK-PSC-DE-USB-GAA
		pure white RAL 9016		EK-PSC-DE-USB-GAR
		intense black RAL 9005		EK-PSC-DE-USB-GAE
		silver		EK-PSC-DE-USB-GAG
French	55 x 55 mm	white		EK-PSC-FR-USB-GAA
		pure white RAL 9016		EK-PSC-FR-USB-GAR
		intense black RAL 9005		EK-PSC-FR-USB-GAE
		silver		EK-PSC-FR-USB-GAG

METAL-EFFECT PAINTING

Version	Dimensions	Colour	Code
Italian	55 x 55 mm	aluminium	EK-PSC-IT-USB-GBQ
		nickel	EK-PSC-IT-USB-GBR
		titanium	EK-PSC-IT-USB-GBS
		carbon	EK-PSC-IT-USB-GBU
		brass	EK-PSC-IT-USB-GBB
UK	55 x 55 mm	aluminium	EK-PSC-UK-USB-GBQ
		nickel	EK-PSC-UK-USB-GBR
		titanium	EK-PSC-UK-USB-GBS
		carbon	EK-PSC-UK-USB-GBU
		brass	EK-PSC-UK-USB-GBB

Version	Dimensions	Colour	Code
Schuko	55 x 55 mm	aluminium	EK-PSC-DE-USB-GBQ
		nickel	EK-PSC-DE-USB-GBR
		titanium	EK-PSC-DE-USB-GBS
		carbon	EK-PSC-DE-USB-GBU
		brass	EK-PSC-DE-USB-GBB
French	55 x 55 mm	aluminium	EK-PSC-FR-USB-GBQ
		nickel	EK-PSC-FR-USB-GBR
		titanium	EK-PSC-FR-USB-GBS
		carbon	EK-PSC-FR-USB-GBU
		brass	EK-PSC-FR-USB-GBB

METAL HT

Version	Dimensions	Colour	Code
Italian	55 x 55 mm	chrome	EK-PSC-IT-USB-CRO
		black metal	EK-PSC-IT-USB-CBM
		champagne	EK-PSC-IT-USB-CHA
UK	55 x 55 mm	chrome	EK-PSC-UK-USB-CRO
		black metal	EK-PSC-UK-USB-CBM
		champagne	EK-PSC-UK-USB-CHA

Version	Dimensions	Colour	Code
Schuko	55 x 55 mm	chrome	EK-PSC-DE-USB-CRO
		black metal	EK-PSC-DE-USB-CBM
		champagne	EK-PSC-DE-USB-CHA
French	55 x 55 mm	chrome	EK-PSC-FR-USB-CRO
		black metal	EK-PSC-FR-USB-CBM
		champagne	EK-PSC-FR-USB-CHA

FENIX NTM®-EFFECT PAINTING

Version	Dimensions	Colour	Code
Italian	55 x 55 mm	malè white	EK-PSC-IT-USB-FBM
		beige luxor	EK-PSC-IT-USB-FBL
		beaver ottawa	EK-PSC-IT-USB-FCO
		cocoa orinoco	EK-PSC-IT-USB-FCC
		grey efeso	EK-PSC-IT-USB-FGE
		grey london	EK-PSC-IT-USB-FGL
		grey bromine	EK-PSC-IT-USB-FGB
		green commodore	EK-PSC-IT-USB-FVC
		black ingo	EK-PSC-IT-USB-FNI
UK	55 x 55 mm	malè white	EK-PSC-UK-USB-FBM
		beige luxor	EK-PSC-UK-USB-FBL
		beaver ottawa	EK-PSC-UK-USB-FCO
		cocoa orinoco	EK-PSC-UK-USB-FCC
		grey efeso	EK-PSC-UK-USB-FGE
		grey london	EK-PSC-UK-USB-FGL
		grey bromine	EK-PSC-UK-USB-FGB
		green commodore	EK-PSC-UK-USB-FVC
		black ingo	EK-PSC-UK-USB-FNI

Version	Dimensions	Colour	Code
Schuko	55 x 55 mm	malè white	EK-PSC-DE-USB-FBM
		beige luxor	EK-PSC-DE-USB-FBL
		beaver ottawa	EK-PSC-DE-USB-FCO
		cocoa orinoco	EK-PSC-DE-USB-FCC
		grey efeso	EK-PSC-DE-USB-FGE
		grey london	EK-PSC-DE-USB-FGL
		grey bromine	EK-PSC-DE-USB-FGB
		green commodore	EK-PSC-DE-USB-FVC
		black ingo	EK-PSC-DE-USB-FNI
French	55 x 55 mm	malè white	EK-PSC-FR-USB-FBM
		beige luxor	EK-PSC-FR-USB-FBL
		beaver ottawa	EK-PSC-FR-USB-FCO
		cocoa orinoco	EK-PSC-FR-USB-FCC
		grey efeso	EK-PSC-FR-USB-FGE
		grey london	EK-PSC-FR-USB-FGL
		grey bromine	EK-PSC-FR-USB-FGB
		green commodore	EK-PSC-FR-USB-FVC
		black ingo	EK-PSC-FR-USB-FNI

How to order a frame

WALL-MOUNT DEVICES

ERA series device frames.
The ordering numbe consists of a fixed part (EK-) and a variable part that depends on the version (1, 2 or 4 rockers), material, colour and finish.

Frames ERA series

WALL-MOUNT DEVICES

METAL

Series	Modularity	Colour	Finishing	Code
ERA	quadrata	steel brushed	brushed	EK-FOD-SSB
		quantum carbon		EK-FOD-SBV
		warm brass		EK-FOD-GWB
		bronze corked		EK-FOD-GBD
	quadrata	steel brushed	brushed	EK-FOE-SSB
		quantum carbon		EK-FOE-SBV
		warm brass		EK-FOE-GWB
		bronze corked		EK-FOE-GBD

Form frames for devices of FF and 71 series.
The ordering number of a frame includes a fixed part (EK-) and a variable part which depends on the series (Form), shape (square, rectangular or double), material, colour and finishing.

Frame Form version

WALL-MOUNT DEVICES

PLASTIC MATERIAL

Series	Modularity	Colour	Finishing	Code
FF - 71	square	white	normal	EK-FOQ-GAA
		pure white RAL 9016		EK-FOQ-GAR
		intense black RAL 9005		EK-FOQ-GAE
		silver		EK-FOQ-GAG
	rectangular	white		EK-FOR-GAA
		pure white RAL 9016		EK-FOR-GAR
		intense black RAL 9005		EK-FOR-GAE
		silver		EK-FOR-GAG
	double	white		EK-FO2-GAA
		pure white RAL 9016		EK-FO2-GAR
		intense black RAL 9005		EK-FO2-GAB
		silver		EK-FO2-GAD

METAL

Series	Modularity	Colour	Finishing	Code
FF - 71	square	aluminium	brushed	EK-FOQ-GBQ
		nickel		EK-FOQ-GBR
		titanium		EK-FOQ-GBS
		carbon		EK-FOQ-GBU
		brass		EK-FOQ-GBB
	rectangular	aluminium		EK-FOR-GBQ
		nickel		EK-FOR-GBR
		titanium		EK-FOR-GBS
		carbon		EK-FOR-GBU
		brass		EK-FOR-GBB
	double	aluminium		EK-FO2-GBQ
		nickel		EK-FO2-GBR
		titanium		EK-FO2-GBS
		carbon		EK-FO2-GBU
		brass		EK-FO2-GBB

How to order a plate

WALL-MOUNT DEVICES

Plates for IP65 waterproof cover
The order code consists of a fixed part (EK-DQW) and a variable part that depends on the material, colour and finish.

Square plate Waterproof cover IP65

WALL-MOUNT DEVICES

METAL

Type	Modularity	Colour	Finishing	Code
Waterproof cover	square	white	brushed	EK-DQW-GAA
		pure white RAL 9016		EK-DQW-GAR
		intense black RAL 9005		EK-DQW-GAE
		silver		EK-DQW-GAG
		brass		EK-DQW-GBC
		bronze corked		EK-DQW-GBD
		aluminium		EK-DQW-GBQ
		nickel		EK-DQW-GBR
		titanium		EK-DQW-GBS
		carbon		EK-DQW-GBU
		brass		EK-DQW-GBC
		steel brushed		EK-DQW-SSB
		quantum carbon		EK-DQW-SBV
		dark chocolate		EK-DQW-GBH
		antique brass		EK-DQW-GBO
Waterproof cover ERA	square	steel brushed	brushed	EK-DWE-SSB
		quantum carbon		EK-DWE-SBV
		warm brass		EK-DWE-GWB
		bronze corked		EK-DWE-GBD

FENIX NTM® EFFECT PAINTED METAL

Type	Modularity	Colour	Code
Waterproof cover	square	malè white	EK-DQW-FBM
		beige luxor	EK-DQW-FBL
		beaver ottawa	EK-DQW-FCO
		cocoa orinoco	EK-DQW-FCC
		grey efeso	EK-DQW-FGE
		grey london	EK-DQW-FGL
		grey bromine	EK-DQW-FGB
		green commodore	EK-DQW-FVC
		black ingo	EK-DQW-FNI

METAL HT

Type	Modularity	Colour	Finishing	Code
Waterproof cover	square	chrome	chrome plated	EK-DQW-CRO
		black metal		EK-DQW-CBM
		champagne		EK-DQW-CHA

How to order a plate

WALL-MOUNT DEVICES

Plates for devices and components for wiring devices ERA.
The order code consists of a fixed part (EK-DEA) and a variable part that depends on the modularity of the window(s), the material, the colour and the finish.

Square plates ERA series

WALL-MOUNT DEVICES

METAL

Series	Window	Colour	Finishing	Code
ERA		steel brushed	brushed	EK-DEA-U-SSB
		quantum carbon		EK-DEA-U-SBV
		warm brass		EK-DEA-U-GWB
		bronze corked		EK-DEA-U-GBD
		steel brushed	brushed	EK-DEA-T-SSB
		quantum carbon		EK-DEA-T-SBV
		warm brass		EK-DEA-T-GWB
		bronze corked		EK-DEA-T-GBD
	45 x 45 mm	steel brushed	brushed	EK-DEA-P-SSB
		quantum carbon		EK-DEA-P-SBV
		warm brass		EK-DEA-P-GWB
		bronze corked		EK-DEA-P-GBD
		steel brushed	brushed	EK-DEA-K-SSB
		quantum carbon		EK-DEA-K-SBV
		warm brass		EK-DEA-K-GWB
		bronze corked		EK-DEA-K-GBD

Square plates Proxima series

WALL-MOUNT DEVICES

Plates for devices and components for wiring devices Proxima.
The order code consists of a fixed part (EK-PQA) and a variable part that depends on the shape (square or double), the modularity of the window(s), the material, the colour and the finish.

METAL

Series	Window	Colour	Finishing	Code
Proxima	○	steel brushed	brushed	EK-PQA-1-SSB
		quantum carbon		EK-PQA-1-SBV
		brass		EK-PQA-1-LBC
		dark chocolate		EK-PQA-1-GBH
		antique brass		EK-PQA-1-GBO
		bianco puro RAL 9016		EK-PQA-1-LAR
		bianco caldo		EK-PQA-1-LAA
		nero opaco RAL 9005		EK-PQA-1-LAE
		beige luxor		EK-PQA-1-LBL
		bronze corked		EK-PQA-1-GBD
	○ ○	steel brushed	brushed	EK-PQA-2-SSB
		quantum carbon		EK-PQA-2-SBV
		brass		EK-PQA-2-LBC
		dark chocolate		EK-PQA-2-GBH
		antique brass		EK-PQA-2-GBO
		bianco puro RAL 9016		EK-PQA-2-LAR
		bianco caldo		EK-PQA-2-LAA
		nero opaco RAL 9005		EK-PQA-2-LAE
		beige luxor		EK-PQA-2-LBL
		bronze corked		EK-PQA-2-GBD
	○ ○ ○ ○	steel brushed	brushed	EK-PQA-4-SSB
		quantum carbon		EK-PQA-4-SBV
		brass		EK-PQA-4-LBC
		dark chocolate		EK-PQA-4-GBH
		antique brass		EK-PQA-4-GBO
		bianco puro RAL 9016		EK-PQA-4-LAR
		bianco caldo		EK-PQA-4-LAA
		nero opaco RAL 9005		EK-PQA-4-LAE
		beige luxor		EK-PQA-4-LBL
		bronze corked		EK-PQA-4-GBD

Square plates Proxima series

WALL-MOUNT DEVICES

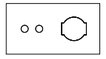
METAL

Series	Window	Colour	Finishing	Code
Proxima		steel brushed	brushed	EK-PQA-U-SSB
		quantum carbon		EK-PQA-U-SBV
		brass		EK-PQA-U-LBC
		dark chocolate		EK-PQA-U-GBH
		antique brass		EK-PQA-U-GBO
		bianco puro RAL 9016		EK-PQA-U-LAR
		bianco caldo		EK-PQA-U-LAA
		nero opaco RAL 9005		EK-PQA-U-LAE
		beige luxor		EK-PQA-U-LBL
		bronze corked		EK-PQA-U-GBD
	○	steel brushed	brushed	EK-PQA-T-SSB
		quantum carbon		EK-PQA-T-SBV
		brass		EK-PQA-T-LBC
		dark chocolate		EK-PQA-T-GBH
		antique brass		EK-PQA-T-GBO
		bianco puro RAL 9016		EK-PQA-T-LAR
		bianco caldo		EK-PQA-T-LAA
		nero opaco RAL 9005		EK-PQA-T-LAE
		beige luxor		EK-PQA-T-LBL
		bronze corked		EK-PQA-T-GBD
	□ 45 x 45 mm	steel brushed	brushed	EK-PQA-P-SSB
		quantum carbon		EK-PQA-P-SBV
		brass		EK-PQA-P-LBC
		dark chocolate		EK-PQA-P-GBH
		antique brass		EK-PQA-P-GBO
		bianco puro RAL 9016		EK-PQA-P-LAR
		bianco caldo		EK-PQA-P-LAA
		nero opaco RAL 9005		EK-PQA-P-LAE
		beige luxor		EK-PQA-P-LBL
		bronze corked		EK-PQA-P-GBD
	□	steel brushed	brushed	EK-PQA-K-SSB
		quantum carbon		EK-PQA-K-SBV
		brass		EK-PQA-K-LBC
		dark chocolate		EK-PQA-K-GBH
		antique brass		EK-PQA-K-GBO
		bianco puro RAL 9016		EK-PQA-K-LAR
		bianco caldo		EK-PQA-K-LAA
		nero opaco RAL 9005		EK-PQA-K-LAE
		beige luxor		EK-PQA-K-LBL
		bronze corked		EK-PQA-K-GBD

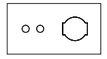
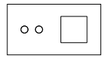
Double plates Proxima series

WALL-MOUNT DEVICES

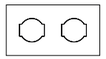
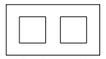
METAL

Series	Window	Colour	Finishing	Code
Proxima		steel brushed	brushed	EK-P2A-2U-SSB
		quantum carbon		EK-P2A-2U-SBV
		brass		EK-P2A-2U-LBC
		dark chocolate		EK-P2A-2U-GBH
		antique brass		EK-P2A-2U-GBO
		bianco puro		EK-P2A-2U-LAR
		bianco caldo		EK-P2A-2U-LAA
		nero opaco		EK-P2A-2U-LAE
		beige luxor		EK-P2A-2U-LBL
		bronze corked		EK-P2A-2U-GBD
		steel brushed	brushed	EK-P2A-2T-SSB
		quantum carbon		EK-P2A-2T-SBV
		brass		EK-P2A-2T-LBC
		dark chocolate		EK-P2A-2T-GBH
		antique brass		EK-P2A-2T-GBO
		bianco puro		EK-P2A-2T-LAR
		bianco caldo		EK-P2A-2T-LAA
		nero opaco		EK-P2A-2T-LAE
		beige luxor		EK-P2A-2T-LBL
		bronze corked		EK-P2A-2T-GBD
	 45 x 45 mm	steel brushed	brushed	EK-P2A-2P-SSB
		quantum carbon		EK-P2A-2P-SBV
		brass		EK-P2A-2P-LBC
		dark chocolate		EK-P2A-2P-GBH
		antique brass		EK-P2A-2P-GBO
		bianco puro		EK-P2A-2P-LAR
		bianco caldo		EK-P2A-2P-LAA
		nero opaco		EK-P2A-2P-LAE
		beige luxor		EK-P2A-2P-LBL
		bronze corked		EK-P2A-2P-GBD

METAL

Series	Window	Colour	Finishing	Code
Proxima		steel brushed	brushed	EK-P2A-2U-SSB
		quantum carbon		EK-P2A-2U-SBV
		brass		EK-P2A-2U-LBC
		dark chocolate		EK-P2A-2U-GBH
		antique brass		EK-P2A-2U-GBO
		bianco puro		EK-P2A-2U-LAR
		bianco caldo		EK-P2A-2U-LAA
		nero opaco		EK-P2A-2U-LAE
		beige luxor		EK-P2A-2U-LBL
		bronze corked		EK-P2A-2U-GBD
		steel brushed	brushed	EK-P2A-2T-SSB
		quantum carbon		EK-P2A-2T-SBV
		brass		EK-P2A-2T-LBC
		dark chocolate		EK-P2A-2T-GBH
		antique brass		EK-P2A-2T-GBO
		bianco puro		EK-P2A-2T-LAR
		bianco caldo		EK-P2A-2T-LAA
		nero opaco		EK-P2A-2T-LAE
		beige luxor		EK-P2A-2T-LBL
		bronze corked		EK-P2A-2T-GBD
	 45 x 45 mm	steel brushed	brushed	EK-P2A-2P-SSB
		quantum carbon		EK-P2A-2P-SBV
		brass		EK-P2A-2P-LBC
		dark chocolate		EK-P2A-2P-GBH
		antique brass		EK-P2A-2P-GBO
		bianco puro		EK-P2A-2P-LAR
		bianco caldo		EK-P2A-2P-LAA
		nero opaco		EK-P2A-2P-LAE
		beige luxor		EK-P2A-2P-LBL
		bronze corked		EK-P2A-2P-GBD

METAL

Series	Window	Colour	Finishing	Code
Proxima		steel brushed	brushed	EK-P2A-UU-SSB
		quantum carbon		EK-P2A-UU-SBV
		brass		EK-P2A-UU-LBC
		dark chocolate		EK-P2A-UU-GBH
		antique brass		EK-P2A-UU-GBO
		bianco puro		EK-P2A-UU-LAR
		bianco caldo		EK-P2A-UU-LAA
		nero opaco		EK-P2A-UU-LAE
		beige luxor		EK-P2A-UU-LBL
		bronze corked		EK-P2A-UU-GBD
		steel brushed	brushed	EK-P2A-TT-SSB
		quantum carbon		EK-P2A-TT-SBV
		brass		EK-P2A-TT-LBC
		dark chocolate		EK-P2A-TT-GBH
		antique brass		EK-P2A-TT-GBO
		bianco puro		EK-P2A-TT-LAR
		bianco caldo		EK-P2A-TT-LAA
		nero opaco		EK-P2A-TT-LAE
		beige luxor		EK-P2A-TT-LBL
		bronze corked		EK-P2A-TT-GBD
	 45 x 45 mm (2)	steel brushed	brushed	EK-P2A-PP-SSB
		quantum carbon		EK-P2A-PP-SBV
		brass		EK-P2A-PP-LBC
		dark chocolate		EK-P2A-PP-GBH
		antique brass		EK-P2A-PP-GBO
		bianco puro		EK-P2A-PP-LAR
		bianco caldo		EK-P2A-PP-LAA
		nero opaco		EK-P2A-PP-LAE
		beige luxor		EK-P2A-PP-LBL
		bronze corked		EK-P2A-PP-GBD

Square plate

WALL-MOUNT DEVICES

Plates for devices of 71 series and flush-mounting inserts.
The ordering code of a plate consists of a fixed part (EK-P) and a variable part depending on shape (square or rectangular), window size (small or large), material, colour and finishing.

FENIX NTM®

Series	Window	Colour	Code
FF - 71	45 x 45 mm	malè white	EK-PQP-FBM
		beige luxor	EK-PQP-FBL
		beaver ottawa	EK-PQP-FCO
		cocoa orinoco	EK-PQP-FCC
		grey efeso	EK-PQP-FGE
		grey london	EK-PQP-FGL
		grey bromine	EK-PQP-FGB
		green commodore	EK-PQP-FVC
		black ingo	EK-PQP-FNI
	55 x 55 mm	malè white	EK-PQG-FBM
		beige luxor	EK-PQG-FBL
		beaver ottawa	EK-PQG-FCO
		cocoa orinoco	EK-PQG-FCC
		grey efeso	EK-PQG-FGE
		grey london	EK-PQG-FGL
		grey bromine	EK-PQG-FGB
		green commodore	EK-PQG-FVC
		black ingo	EK-PQG-FNI
	60 x 60 mm	malè white	EK-PQS-FBM
		beige luxor	EK-PQS-FBL
		beaver ottawa	EK-PQS-FCO
		cocoa orinoco	EK-PQS-FCC
		grey efeso	EK-PQS-FGE
		grey london	EK-PQS-FGL
		grey bromine	EK-PQS-FGB
		green commodore	EK-PQS-FVC
		black ingo	EK-PQS-FNI
Movement sensor	50 x 50 mm	malè white	EK-PQN-FBM
		beige luxor	EK-PQN-FBL
		beaver ottawa	EK-PQN-FCO
		cocoa orinoco	EK-PQN-FCC
		grey efeso	EK-PQN-FGE
		grey london	EK-PQN-FGL
		grey bromine	EK-PQN-FGB
		green commodore	EK-PQN-FVC
		black ingo	EK-PQN-FNI

METAL

Series	Window	Colour	Finishing	Code
FF - 71	45 x 45 mm	aluminium	brushed	EK-PQP-GBQ
		nickel		EK-PQP-GBR
		titanium		EK-PQP-GBS
		carbon		EK-PQP-GBU
		brass		EK-PQP-GBB
	55 x 55 mm	aluminium		EK-PQG-GBQ
		nickel		EK-PQG-GBR
		titanium		EK-PQG-GBS
		carbon		EK-PQG-GBU
		brass		EK-PQG-GBB
	60 x 60 mm	aluminium		EK-PQS-GBQ
		nickel		EK-PQS-GBR
		titanium		EK-PQS-GBS
		carbon		EK-PQS-GBU
		brass		EK-PQS-GBB
Movement sensor	50 x 50 mm	aluminium		EK-PQN-GBQ
		nickel		EK-PQN-GBR
		titanium		EK-PQN-GBS
		carbon		EK-PQN-GBU
		brass		EK-PQN-GBB

PLASTIC MATERIAL

Series	Window	Colour	Finishing	Code
FF - 71	45 x 45 mm	white	normal	EK-PQP-GAA
		pure white RAL 9016		EK-PQP-GAR
		intense black RAL 9005		EK-PQP-GAE
		silver		EK-PQP-GAG
	55 x 55 mm	white		EK-PQG-GAA
		pure white RAL 9016		EK-PQG-GAR
		intense black RAL 9005		EK-PQG-GAE
		silver		EK-PQG-GAG
	60 x 60 mm	white		EK-PQS-GAA
		pure white RAL 9016		EK-PQS-GAR
		intense black RAL 9005		EK-PQS-GAE
		silver		EK-PQS-GAG
Movement sensor	50 x 50 mm	white		EK-PQN-GAA
		intense black RAL 9005		EK-PQN-GAE
		silver		EK-PQN-GAG

Rectangular plate

WALL-MOUNT DEVICES

PLASTIC MATERIAL

Series	Window	Colour	Finishing	Code
FF - 71	68 x 45 mm	white	normal	EK-PRG-GAA
		pure white RAL 9016		EK-PRG-GAR
		intense black RAL 9005		EK-PRG-GAE
		silver		EK-PRG-GAG
	60 x 60 mm	white		EK-PRS-GAA
		pure white RAL 9016		EK-PRS-GAR
		intense black RAL 9005		EK-PRS-GAE
		silver		EK-PRS-GAG

METAL

Series	Window	Colour	Finishing	Code
FF - 71	68 x 45 mm	aluminium	brushed	EK-PRG-GBQ
		nickel		EK-PRG-GBR
		titanium		EK-PRG-GBS
		carbon		EK-PRG-GBU
		brass		EK-PRG-GBB
	60 x 60 mm	aluminium		EK-PRS-GBQ
		nickel		EK-PRS-GBR
		titanium		EK-PRS-GBS
		carbon		EK-PRS-GBU
		brass		EK-PRS-GBB

FENIX NTM®

Series	Window	Colour	Code
	68 x 45 mm	malè white	EK-PRG-FBM
		beige luxor	EK-PRG-FBL
		beaver ottawa	EK-PRG-FCO
		cocoa orinoco	EK-PRG-FCC
		grey efeso	EK-PRG-FGE
		grey london	EK-PRG-FGL
		grey bromine	EK-PRG-FGB
		green commodore	EK-PRG-FVC
		black ingo	EK-PRG-FNI
	60 x 60 mm	malè white	EK-PRS-FBM
		beige luxor	EK-PRS-FBL
		beaver ottawa	EK-PRS-FCO
		cocoa orinoco	EK-PRS-FCC
		grey efeso	EK-PRS-FGE
		grey london	EK-PRS-FGL
		grey bromine	EK-PRS-FGB
		green commodore	EK-PRS-FVC
		black ingo	EK-PRS-FNI

Double plate

WALL-MOUNT DEVICES

PLASTIC MATERIAL

Series	Window	Colour	Finishing	Code
FF - 71	55 x 55 mm (2)	white	normal	EK-P2P-GAA
		pure white RAL 9016		EK-P2P-GAR
		intense black RAL 9005		EK-P2P-GAE
		silver		EK-P2P-GAG
	55 x 55 mm (1) 60 x 60 mm (1)	white		EK-P2G-GAA
		pure white RAL 9016		EK-P2G-GAR
		intense black RAL 9005		EK-P2G-GAE
		silver		EK-P2G-GAG
	60 x 60 mm (2)	white		EK-P2S-GAA
		pure white RAL 9016		EK-P2S-GAR
		intense black RAL 9005		EK-P2S-GAE
		silver		EK-P2S-GAG
	60 x 60 mm (2) swiss market	white		EK-P2H-GAA
		pure white RAL 9016		EK-P2H-GAR
		intense black RAL 9005		EK-P2H-GAE
		silver		EK-P2H-GAG

METAL

Series	Window	Colour	Finishing	Code
FF - 71	45 x 45 mm (2)	aluminium	brushed	EK-P2E-GBQ
		nickel		EK-P2E-GBR
		titanium		EK-P2E-GBS
		carbon		EK-P2E-GBU
		brass		EK-P2E-GBB
	45 x 45 mm (1) 60 x 60 mm (1)	aluminium		EK-P2F-GBQ
		nickel		EK-P2F-GBR
		titanium		EK-P2F-GBS
		carbon		EK-P2F-GBU
		brass		EK-P2F-GBB
	55 x 55 mm (2)	aluminium		EK-P2P-GBQ
		nickel		EK-P2P-GBR
		titanium		EK-P2P-GBS
		carbon		EK-P2P-GBU
		brass		EK-P2P-GBB
	55 x 55 mm (1) 60 x 60 mm (1)	aluminium		EK-P2G-GBQ
		nickel		EK-P2G-GBR
		titanium		EK-P2G-GBS
		carbon		EK-P2G-GBU
		brass		EK-P2G-GBB
	60 x 60 mm (2)	aluminium		EK-P2S-GBQ
		nickel		EK-P2S-GBR
		titanium		EK-P2S-GBS
		carbon		EK-P2S-GBU
		brass		EK-P2S-GBB
	60 x 60 mm (2) swiss market	aluminium		EK-P2H-GBQ
		nickel		EK-P2H-GBR
		titanium		EK-P2H-GBS
		carbon		EK-P2H-GBU
		brass		EK-P2H-GBB

Double plate

WALL-MOUNT DEVICES

FENIX NTM®

Series	Window	Colour	Code
FF - 71	45 x 45 mm (2)	malè white	EK-P2E-FBM
		beige luxor	EK-P2E-FBL
		beaver ottawa	EK-P2E-FCO
		cocoa orinoco	EK-P2E-FCC
		grey efeso	EK-P2E-FGE
		grey london	EK-P2E-FGL
		grey bromine	EK-P2E-FGB
		green commodore	EK-P2E-FVC
		black ingo	EK-P2E-FNI
	45 x 45 mm (1) 60 x 60 mm (1)	malè white	EK-P2F-FBM
		beige luxor	EK-P2F-FBL
		beaver ottawa	EK-P2F-FCO
		cocoa orinoco	EK-P2F-FCC
		grey efeso	EK-P2F-FGE
		grey london	EK-P2F-FGL
		grey bromine	EK-P2F-FGB
		green commodore	EK-P2F-FVC
		black ingo	EK-P2F-FNI
	55 x 55 mm (2)	malè white	EK-P2P-FBM
		beige luxor	EK-P2P-FBL
		beaver ottawa	EK-P2P-FCO
		cocoa orinoco	EK-P2P-FCC
		grey efeso	EK-P2P-FGE
		grey london	EK-P2P-FGL
		grey bromine	EK-P2P-FGB
		green commodore	EK-P2P-FVC
		black ingo	EK-P2P-FNI

FENIX NTM®

Series	Window	Colour	Code
FF - 71	55 x 55 mm (1) 60 x 60 mm (1)	malè white	EK-P2G-FBM
		beige luxor	EK-P2G-FBL
		beaver ottawa	EK-P2G-FCO
		cocoa orinoco	EK-P2G-FCC
		grey efeso	EK-P2G-FGE
		grey london	EK-P2G-FGL
		grey bromine	EK-P2G-FGB
		green commodore	EK-P2G-FVC
		black ingo	EK-P2G-FNI
	60 x 60 mm (2)	malè white	EK-P2S-FBM
		beige luxor	EK-P2S-FBL
		beaver ottawa	EK-P2S-FCO
		cocoa orinoco	EK-P2S-FCC
		grey efeso	EK-P2S-FGE
		grey london	EK-P2S-FGL
		grey bromine	EK-P2S-FGB
		green commodore	EK-P2S-FVC
		black ingo	EK-P2S-FNI
	60 x 60 mm (2) swiss market	malè white	EK-P2H-FBM
		beige luxor	EK-P2H-FBL
		beaver ottawa	EK-P2H-FCO
		cocoa orinoco	EK-P2H-FCC
		grey efeso	EK-P2H-FGE
		grey london	EK-P2H-FGL
		grey bromine	EK-P2H-FGB
		green commodore	EK-P2H-FVC
		black ingo	EK-P2H-FNI

How to order a Deep plate

WALL-MOUNT DEVICES

Deep plates for devices of Signum, 20venti and 71 series. The ordering code of a Deep plate consists of a fixed part (EK-D) and a variable part depending on shape (square or rectangular), window size (small or large), material, colour and finishing.

Deep square plate

WALL-MOUNT DEVICES

PLASTIC MATERIAL

Series	Window	Colour	Finishing	Code
20venti (4 rockers)	30 x 60 mm	white	normal	EK-DQT-GAA
		pure white RAL 9016		EK-DQT-GAR
		intense black RAL 9005		EK-DQT-GAE
		silver		EK-DQT-GAG
20venti FF 71	45 x 45 mm	white		EK-DQP-GAA
		pure white RAL 9016		EK-DQP-GAR
		intense black RAL 9005		EK-DQP-GAE
		silver		EK-DQP-GAG
	55 x 55 mm	white		EK-DQG-GAA
		pure white RAL 9016		EK-DQG-GAR
		intense black RAL 9005		EK-DQG-GAE
		silver		EK-DQG-GAG
	60 x 60 mm	white		EK-DQS-GAA
		pure white RAL 9016		EK-DQS-GAR
		intense black RAL 9005		EK-DQS-GAE
		silver		EK-DQS-GAG
Movement sensor	50 x 50 mm	white		EK-DQN-GAA
		intense black RAL 9005		EK-DQN-GAE
		silver		EK-DQN-GAG

METAL

Series	Window	Colour	Finishing	Code
Signum	30 x 60 mm	aluminium	brushed	EK-DQZ-GBQ
		nickel		EK-DQZ-GBR
		titanium		EK-DQZ-GBS
		carbon		EK-DQZ-GBU
		brass		EK-DQZ-GBB
20venti (4 rockers)	30 x 60 mm	aluminium		EK-DQT-GBQ
		nickel		EK-DQT-GBR
		titanium		EK-DQT-GBS
		carbon		EK-DQT-GBU
		brass		EK-DQT-GBB
20venti FF 71	45 x 45 mm	aluminium		EK-DQP-GBQ
		nickel		EK-DQP-GBR
		titanium		EK-DQP-GBS
		carbon		EK-DQP-GBU
		brass		EK-DQP-GBB
	55 x 55 mm	aluminium		EK-DQG-GBQ
		nickel		EK-DQG-GBR
		titanium		EK-DQG-GBS
		carbon		EK-DQG-GBU
		brass		EK-DQG-GBB
	60 x 60 mm	aluminium		EK-DQS-GBQ
		nickel		EK-DQS-GBR
		titanium		EK-DQS-GBS
		carbon		EK-DQS-GBU
		brass		EK-DQS-GBB
Movement sensor	50 x 50 mm	aluminium		EK-DQN-GBQ
		nickel		EK-DQN-GBR
		titanium		EK-DQN-GBS
		carbon		EK-DQN-GBU
		brass		EK-DQN-GBB

METAL HT

Series	Window	Colour	Finishing	Code
Signum	30 x 60 mm	chrome	chrome plated	EK-DQZ-CRO
		black metal		EK-DQZ-CBM
		champagne		EK-DQZ-CHA
20venti (4 rockers)	30 x 60 mm	chrome		EK-DQT-CRO
		black metal		EK-DQT-CBM
		champagne		EK-DQT-CHA
20venti FF 71	45 x 45 mm	chrome		EK-DQP-CRO
		black metal		EK-DQP-CBM
		champagne		EK-DQP-CHA
	55 x 55 mm	chrome		EK-DQG-CRO
		black metal		EK-DQG-CBM
		champagne		EK-DQG-CHA
	60 x 60 mm	chrome		EK-DQS-CRO
		black metal		EK-DQS-CBM
		champagne		EK-DQS-CHA

FENIX NTM®

Series	Window	Colour	Code
Signum	30 x 60 mm	malè white	EK-DQZ-FBM
		beige luxor	EK-DQZ-FBL
		beaver ottawa	EK-DQZ-FCO
		cocoa orinoco	EK-DQZ-FCC
		grey efeso	EK-DQZ-FGE
		grey london	EK-DQZ-FGL
		grey bromine	EK-DQZ-FGB
		green commodore	EK-DQZ-FVC
		black ingo	EK-DQZ-FNI
20venti (4 rockers)	30 x 60 mm	malè white	EK-DQT-FBM
		beige luxor	EK-DQT-FBL
		beaver ottawa	EK-DQT-FCO
		cocoa orinoco	EK-DQT-FCC
		grey efeso	EK-DQT-FGE
		grey london	EK-DQT-FGL
		grey bromine	EK-DQT-FGB
		green commodore	EK-DQT-FVC
		black ingo	EK-DQT-FNI
20venti FF 71	45 x 45 mm	malè white	EK-DQP-FBM
		beige luxor	EK-DQP-FBL
		beaver ottawa	EK-DQP-FCO
		cocoa orinoco	EK-DQP-FCC
		grey efeso	EK-DQP-FGE
		grey london	EK-DQP-FGL
		grey bromine	EK-DQP-FGB
		green commodore	EK-DQP-FVC
		black ingo	EK-DQP-FNI
	55 x 55 mm	malè white	EK-DQG-FBM
		beige luxor	EK-DQG-FBL
		beaver ottawa	EK-DQG-FCO
		cocoa orinoco	EK-DQG-FCC
		grey efeso	EK-DQG-FGE
		grey london	EK-DQG-FGL
		grey bromine	EK-DQG-FGB
		green commodore	EK-DQG-FVC
		black ingo	EK-DQG-FNI
	60 x 60 mm	malè white	EK-DQS-FBM
		beige luxor	EK-DQS-FBL
		beaver ottawa	EK-DQS-FCO
		cocoa orinoco	EK-DQS-FCC
		grey efeso	EK-DQS-FGE
		grey london	EK-DQS-FGL
		grey bromine	EK-DQS-FGB
		green commodore	EK-DQS-FVC
		black ingo	EK-DQS-FNI
Movement sensor	50 x 50 mm	malè white	EK-DQN-FBM
		beige luxor	EK-DQN-FBL
		beaver ottawa	EK-DQN-FCO
		cocoa orinoco	EK-DQN-FCC
		grey efeso	EK-DQN-FGE
		grey london	EK-DQN-FGL
		grey bromine	EK-DQN-FGB
		green commodore	EK-DQN-FVC
		black ingo	EK-DQN-FNI

Deep rectangular plate

WALL-MOUNT DEVICES

PLASTIC MATERIAL

Series	Window	Colour	Finishing	Code
20venti FF 71	68 x 45 mm	white	normal	EK-DRG-GAA
		pure white RAL 9016		EK-DRG-GAR
		intense black RAL 9005		EK-DRG-GAE
		silver		EK-DRG-GAG
	60 x 60 mm	white		EK-DRS-GAA
		pure white RAL 9016		EK-DRS-GAR
		intense black RAL 9005		EK-DRS-GAE
		silver		EK-DRS-GAG

FENIX NTM®

Series	Window	Colour	Code
20venti FF 71	68 x 45 mm	malè white	EK-DRG-FBM
		beige luxor	EK-DRG-FBL
		beaver ottawa	EK-DRG-FCO
		cocoa orinoco	EK-DRG-FCC
		grey efeso	EK-DRG-FGE
		grey london	EK-DRG-FGL
		grey bromine	EK-DRG-FGB
		green commodore	EK-DRG-FVC
		black ingo	EK-DRG-FNI
	60 x 60 mm	malè white	EK-DRS-FBM
		beige luxor	EK-DRS-FBL
		beaver ottawa	EK-DRS-FCO
		cocoa orinoco	EK-DRS-FCC
		grey efeso	EK-DRS-FGE
		grey london	EK-DRS-FGL
		grey bromine	EK-DRS-FGB
		green commodore	EK-DRS-FVC
		black ingo	EK-DRS-FNI

METAL

Series	Window	Colour	Finishing	Code
20venti FF 71	68 x 45 mm	aluminium	brushed	EK-DRG-GBQ
		nickel		EK-DRG-GBR
		titanium		EK-DRG-GBS
		carbon		EK-DRG-GBU
		brass		EK-DRG-GBB
	60 x 60 mm	aluminium		EK-DRS-GBQ
		nickel		EK-DRS-GBR
		titanium		EK-DRS-GBS
		carbon		EK-DRS-GBU
		brass		EK-DRS-GBB

METAL HT

Series	Window	Colour	Finishing	Code
20venti FF 71	68 x 45 mm	chrome	chrome plated	EK-DRG-CRO
		black metal		EK-DRG-CBM
		champagne		EK-DRG-CHA
	60 x 60 mm	chrome		EK-DRS-CRO
		black metal		EK-DRS-CBM
		champagne		EK-DRS-CHA

Deep double plate

WALL-MOUNT DEVICES

PLASTIC MATERIAL

Series	Window	Colour	Finishing	Code
20venti FF 71	55 x 55 mm (2)	white	normal	EK-D2P-GAA
		pure white RAL 9016		EK-D2P-GAR
		intense black RAL 9005		EK-D2P-GAE
		silver		EK-D2P-GAG
	45 x 45 mm (1) 60 x 60 mm (1)	white		EK-D2F-GAA
		pure white RAL 9016		EK-D2F-GAR
		intense black RAL 9005		EK-D2F-GAE
		silver		EK-D2F-GAG
	55 x 55 mm (1) 60 x 60 mm (1)	white		EK-D2G-GAA
		pure white RAL 9016		EK-D2G-GAR
		intense black RAL 9005		EK-D2G-GAE
		silver		EK-D2G-GAG
	60 x 60 mm (2)	white		EK-D2S-GAA
		pure white RAL 9016		EK-D2S-GAR
		intense black RAL 9005		EK-D2S-GAE
		silver		EK-D2S-GAG
	60 x 60 mm (2) swiss market	white		EK-D2H-GAA
		pure white RAL 9016		EK-D2H-GAR
		intense black RAL 9005		EK-D2H-GAE
		silver		EK-D2H-GAG

METAL

Series	Window	Colour	Finishing	Code
FF - 71	45 x 45 mm (2)	aluminium	brushed	EK-D2E-GBQ
		nickel		EK-D2E-GBR
		titanium		EK-D2E-GBS
		carbon		EK-D2E-GBU
		brass		EK-D2E-GBB
	45 x 45 mm (1) 60 x 60 mm (1)	aluminium		EK-D2F-GBQ
		nickel		EK-D2F-GBR
		titanium		EK-D2F-GBS
		carbon		EK-D2F-GBU
		brass		EK-D2F-GBB
	55 x 55 mm (2)	aluminium		EK-D2P-GBQ
		nickel		EK-D2P-GBR
		titanium		EK-D2P-GBS
		carbon		EK-D2P-GBU
		brass		EK-D2P-GBB
	55 x 55 mm (1) 60 x 60 mm (1)	aluminium		EK-D2G-GBQ
		nickel		EK-D2G-GBR
		titanium		EK-D2G-GBS
		carbon		EK-D2G-GBU
		brass		EK-D2G-GBB
	60 x 60 mm (2)	aluminium		EK-D2S-GBQ
		nickel		EK-D2S-GBR
		titanium		EK-D2S-GBS
		carbon		EK-D2S-GBU
		brass		EK-D2S-GBB
	60 x 60 mm (2) swiss market	aluminium		EK-D2H-GBQ
		nickel		EK-D2H-GBR
		titanium		EK-D2H-GBS
		carbon		EK-D2H-GBU
		brass		EK-D2H-GBB

Deep double plate

WALL-MOUNT DEVICES

METAL HT

Series	Window	Colour	Finishing	Code
20venti FF 71	45 x 45 mm (2)	chrome	chrome plated	EK-D2E-CRO
		black metal		EK-D2E-CBM
		champagne		EK-D2E-CHA
	45 x 45 mm (1) 60 x 60 mm (1)	chrome		EK-D2F-CRO
		black metal		EK-D2F-CBM
		champagne		EK-D2F-CHA
	55 x 55 mm (2)	chrome		EK-D2P-CRO
		black metal		EK-D2P-CBM
		champagne		EK-D2P-CHA
	55 x 55 mm (1) 60 x 60 mm (1)	chrome		EK-D2G-CRO
		black metal		EK-D2G-CBM
		champagne		EK-D2G-CHA
	60 x 60 mm (2)	chrome		EK-D2S-CRO
		black metal		EK-D2S-CBM
		champagne		EK-D2S-CHA
	60 x 60 mm (2) swiss market	chrome		EK-D2H-CRO
		black metal		EK-D2H-CBM
		champagne		EK-D2H-CHA

FENIX NTM®

Series	Window	Colour	Code
20venti FF 71	45 x 45 mm (2)	malè white	EK-D2E-FBM
		beige luxor	EK-D2E-FBL
		beaver ottawa	EK-D2E-FCO
		cocoa orinoco	EK-D2E-FCC
		grey efeso	EK-D2E-FGE
		grey london	EK-D2E-FGL
		grey bromine	EK-D2E-FGB
		green commodore	EK-D2E-FVC
		black ingo	EK-D2E-FNI
	45 x 45 mm (1) 60 x 60 mm (1)	malè white	EK-D2F-FBM
		beige luxor	EK-D2F-FBL
		beaver ottawa	EK-D2F-FCO
		cocoa orinoco	EK-D2F-FCC
		grey efeso	EK-D2F-FGE
		grey london	EK-D2F-FGL
		grey bromine	EK-D2F-FGB
		green commodore	EK-D2F-FVC
		black ingo	EK-D2F-FNI
	55 x 55 mm (2)	malè white	EK-D2P-FBM
		beige luxor	EK-D2P-FBL
		beaver ottawa	EK-D2P-FCO
		cocoa orinoco	EK-D2P-FCC
		grey efeso	EK-D2P-FGE
		grey london	EK-D2P-FGL
		grey bromine	EK-D2P-FGB
		green commodore	EK-D2P-FVC
		black ingo	EK-D2P-FNI
	55 x 55 mm (1) 60 x 60 mm (1)	malè white	EK-D2G-FBM
		beige luxor	EK-D2G-FBL
		beaver ottawa	EK-D2G-FCO
		cocoa orinoco	EK-D2G-FCC
		grey efeso	EK-D2G-FGE
		grey london	EK-D2G-FGL
		grey bromine	EK-D2G-FGB
		green commodore	EK-D2G-FVC
		black ingo	EK-D2G-FNI
	60 x 60 mm (2)	malè white	EK-D2S-FBM
		beige luxor	EK-D2S-FBL
		beaver ottawa	EK-D2S-FCO
		cocoa orinoco	EK-D2S-FCC
		grey efeso	EK-D2S-FGE
		grey london	EK-D2S-FGL
		grey bromine	EK-D2S-FGB
		green commodore	EK-D2S-FVC
		black ingo	EK-D2S-FNI
	60 x 60 mm (2) swiss market	malè white	EK-D2H-FBM
		beige luxor	EK-D2H-FBL
		beaver ottawa	EK-D2H-FCO
		cocoa orinoco	EK-D2H-FCC
		grey efeso	EK-D2H-FGE
		grey london	EK-D2H-FGL
		grey bromine	EK-D2H-FGB
		green commodore	EK-D2H-FVC
		black ingo	EK-D2H-FNI

Deep triple plate

WALL-MOUNT DEVICES

ALUMINIUM

Series	Window	Colour	Finishing	Code
20venti FF 71	55 x 55 mm (3)	aluminium	brushed	EK-D3P-GBQ
		nickel		EK-D3P-GBR
		titanium		EK-D3P-GBS
		carbon		EK-D3P-GBU
		brass		EK-D3P-GBB
	60 x 60 mm (1) 55 x 55 mm (2)	aluminium		EK-D3G-GBQ
		nickel		EK-D3G-GBR
		titanium		EK-D3G-GBS
		carbon		EK-D3G-GBU
		brass		EK-D3G-GBB

METAL HT

Series	Window	Colour	Finishing	Code
20venti FF 71	55 x 55 mm (3)	chrome	chrome plated	EK-D3P-CRO
		black metal		EK-D3P-CBM
		champagne		EK-D3P-CHA
	60 x 60 mm (1) 55 x 55 mm (2)	chrome		EK-D3G-CRO
		black metal		EK-D3G-CBM
		champagne		EK-D3G-CHA

FENIX NTM®

Series	Window	Colour	Code
20venti FF 71	55 x 55 mm (3)	malè white	EK-D3P-FBM
		beige luxor	EK-D3P-FBL
		beaver ottawa	EK-D3P-FCO
		cocoa orinoco	EK-D3P-FCC
		grey efeso	EK-D3P-FGE
		grey london	EK-D3P-FGL
		grey bromine	EK-D3P-FGB
		green commodore	EK-D3P-FVC
		black ingo	EK-D3P-FNI
	60 x 60 mm (1) 55 x 55 mm (2)	malè white	EK-D3G-FBM
		beige luxor	EK-D3G-FBL
		beaver ottawa	EK-D3G-FCO
		cocoa orinoco	EK-D3G-FCC
		grey efeso	EK-D3G-FGE
		grey london	EK-D3G-FGL
		grey bromine	EK-D3G-FGB
		green commodore	EK-D3G-FVC
		black ingo	EK-D3G-FNI

How to order a Surface plate

WALL-MOUNT DEVICES

Surface plates for devices of 20venti, 71 series and flush-mounting inserts. The ordering code of a Surface plate consists of a fixed part (EK-S) and a variable part depending on shape (square or rectangular), window size (small or large), material, colour and finishing.

Surface square plate

WALL-MOUNT DEVICES

METAL

Series	Window	Colour	Finishing	Code
Signum	30 x 60 mm	aluminium	brushed	EK-SQZ-GBQ
		nickel		EK-SQZ-GBR
		titanium		EK-SQZ-GBS
		carbon		EK-SQZ-GBU
		brass		EK-SQZ-GBB
20venti (4 rockers)	30 x 60 mm	aluminium		EK-SQT-GBQ
		nickel		EK-SQT-GBR
		titanium		EK-SQT-GBS
		carbon		EK-SQT-GBU
		brass		EK-SQT-GBB
20venti FF 71	45 x 45 mm	aluminium		EK-SQP-GBQ
		nickel		EK-SQP-GBR
		titanium		EK-SQP-GBS
		carbon		EK-SQP-GBU
		brass		EK-SQP-GBB
	55 x 55 mm	aluminium		EK-SQG-GBQ
		nickel		EK-SQG-GBR
		titanium		EK-SQG-GBS
		carbon		EK-SQG-GBU
		brass		EK-SQG-GBB
	60 x 60 mm	aluminium		EK-SQS-GBQ
		nickel		EK-SQS-GBR
		titanium		EK-SQS-GBS
		carbon		EK-SQS-GBU
		brass		EK-SQS-GBB
Movement sensor	50 x 50 mm	aluminium		EK-SQN-GBQ
		nickel		EK-SQN-GBR
		titanium		EK-SQN-GBS
		carbon		EK-SQN-GBU
		brass		EK-SQN-GBB

METAL HT

Series	Window	Colour	Finishing	Code
Signum	30 x 60 mm	chrome	chrome plated	EK-SQZ-CRO
		black metal		EK-SQZ-CBM
		champagne		EK-SQZ-CHA
20venti (4 rockers)	30 x 60 mm	chrome		EK-SQT-CRO
		black metal		EK-SQT-CBM
		champagne		EK-SQT-CHA
20venti FF 71	45 x 45 mm	chrome		EK-SQP-CRO
		black metal		EK-SQP-CBM
		champagne		EK-SQP-CHA
	55 x 55 mm	chrome		EK-SQG-CRO
		black metal		EK-SQG-CBM
		champagne		EK-SQG-CHA
	60 x 60 mm	chrome		EK-SQS-CRO
		black metal		EK-SQS-CBM
		champagne		EK-SQS-CHA

Surface square plate

WALL-MOUNT DEVICES

FENIX NTM®

Series	Window	Colour	Code
Signum	30 x 60 mm	malè white	EK-SQZ-FBM
		beige luxor	EK-SQZ-FBL
		beaver ottawa	EK-SQZ-FCO
		cocoa orinoco	EK-SQZ-FCC
		grey efeso	EK-SQZ-FGE
		grey london	EK-SQZ-FGL
		grey bromine	EK-SQZ-FGB
		green commodore	EK-SQZ-FVC
		black ingo	EK-SQZ-FNI
20venti (4 rockers)	30 x 60 mm	malè white	EK-SQT-FBM
		beige luxor	EK-SQT-FBL
		beaver ottawa	EK-SQT-FCO
		cocoa orinoco	EK-SQT-FCC
		grey efeso	EK-SQT-FGE
		grey london	EK-SQT-FGL
		grey bromine	EK-SQT-FGB
		green commodore	EK-SQT-FVC
		black ingo	EK-SQT-FNI

FENIX NTM®

Series	Window	Colour	Code
20venti FF 71	45 x 45 mm	malè white	EK-SQP-FBM
		beige luxor	EK-SQP-FBL
		beaver ottawa	EK-SQP-FCO
		cocoa orinoco	EK-SQP-FCC
		grey efeso	EK-SQP-FGE
		grey london	EK-SQP-FGL
		grey bromine	EK-SQP-FGB
		green commodore	EK-SQP-FVC
		black ingo	EK-SQP-FNI
	55 x 55 mm	malè white	EK-SQG-FBM
		beige luxor	EK-SQG-FBL
		beaver ottawa	EK-SQG-FCO
		cocoa orinoco	EK-SQG-FCC
		grey efeso	EK-SQG-FGE
		grey london	EK-SQG-FGL
		grey bromine	EK-SQG-FGB
		green commodore	EK-SQG-FVC
		black ingo	EK-SQG-FNI
	60 x 60 mm	malè white	EK-SQS-FBM
		beige luxor	EK-SQS-FBL
		beaver ottawa	EK-SQS-FCO
		cocoa orinoco	EK-SQS-FCC
		grey efeso	EK-SQS-FGE
		grey london	EK-SQS-FGL
		grey bromine	EK-SQS-FGB
		green commodore	EK-SQS-FVC
		black ingo	EK-SQS-FNI
Movement sensor	50 x 50 mm	malè white	EK-SQN-FBM
		beige luxor	EK-SQN-FBL
		beaver ottawa	EK-SQN-FCO
		cocoa orinoco	EK-SQN-FCC
		grey efeso	EK-SQN-FGE
		grey london	EK-SQN-FGL
		grey bromine	EK-SQN-FGB
		green commodore	EK-SQN-FVC
		black ingo	EK-SQN-FNI

Surface double plate

WALL-MOUNT DEVICES

METAL

Series	Window	Colour	Finishing	Code
20venti FF 71	45 x 45 mm (2)	aluminium	brushed	EK-S2E-GBQ
		nickel		EK-S2E-GBR
		titanium		EK-S2E-GBS
		carbon		EK-S2E-GBU
		brass		EK-S2E-GBB
	45 x 45 mm (1) 60 x 60 mm (1)	aluminium		EK-S2F-GBQ
		nickel		EK-S2F-GBR
		titanium		EK-S2F-GBS
		carbon		EK-S2F-GBU
		brass		EK-S2F-GBB
	55 x 55 mm (2)	aluminium		EK-S2P-GBQ
		nickel		EK-S2P-GBR
		titanium		EK-S2P-GBS
		carbon		EK-S2P-GBU
		brass		EK-S2P-GBB
	55 x 55 mm (1) 60 x 60 mm (1)	aluminium		EK-S2G-GBQ
		nickel		EK-S2G-GBR
		titanium		EK-S2G-GBS
		carbon		EK-S2G-GBU
		brass		EK-S2G-GBB
	60 x 60 mm (2)	aluminium		EK-S2S-GBQ
		nickel		EK-S2S-GBR
		titanium		EK-S2S-GBS
		carbon		EK-S2S-GBU
		brass		EK-S2S-GBB

METAL HT

Series	Window	Colour	Finishing	Code
20venti FF 71	45 x 45 mm (2)	chrome	chrome plated	EK-S2E-CRO
		black metal		EK-S2E-CBM
		champagne		EK-S2E-CHA
	45 x 45 mm (1) 60 x 60 mm (1)	chrome		EK-S2F-CRO
		black metal		EK-S2F-CBM
		Copper		EK-S2F-COP
		champagne		EK-S2F-GBB
	55 x 55 mm (2)	chrome		EK-S2P-CRO
		black metal		EK-S2P-CBM
		champagne		EK-S2P-CHA
	55 x 55 mm (1) 60 x 60 mm (1)	chrome		EK-S2G-CRO
		black metal		EK-S2G-CBM
		champagne		EK-S2G-CHA
	60 x 60 mm (2)	chrome		EK-S2S-CRO
		black metal		EK-S2S-CBM
		champagne		EK-S2S-GBB

Surface double plate

WALL-MOUNT DEVICES

FENIX NTM®

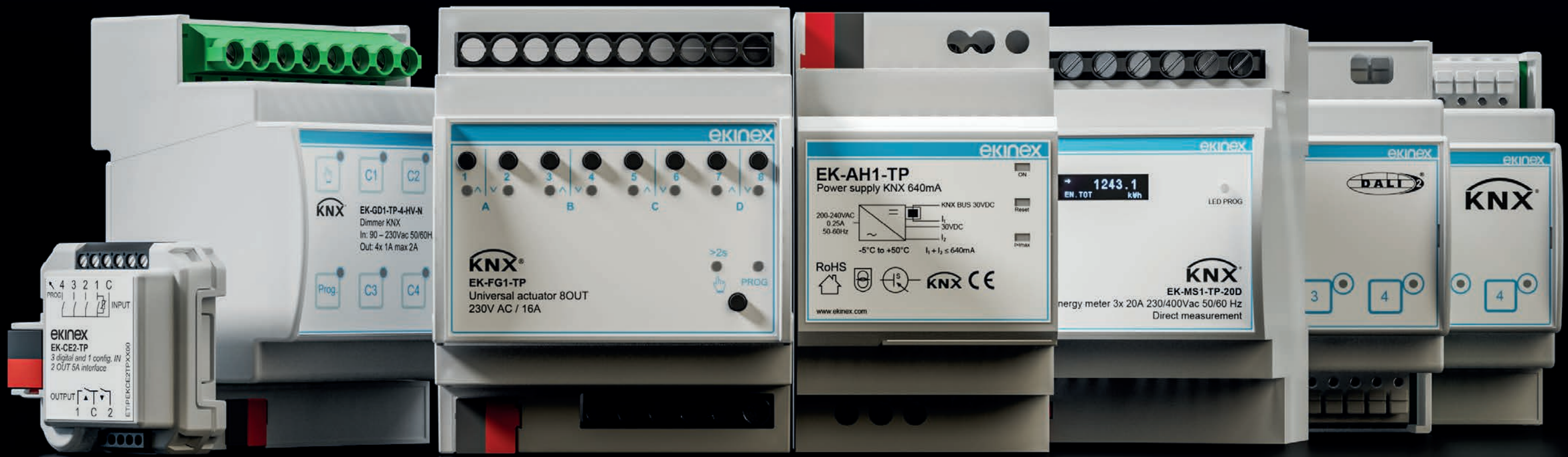
Series	Window	Colour	Code
20venti FF 71	45 x 45 mm (2)	malè white	EK-S2E-FBM
		beige luxor	EK-S2E-FBL
		beaver ottawa	EK-S2E-FCO
		cocoa orinoco	EK-S2E-FCC
		grey efeso	EK-S2E-FGE
		grey london	EK-S2E-FGL
		grey bromine	EK-S2E-FGB
		green commodore	EK-S2E-FVC
		black ingo	EK-S2E-FNI
	45 x 45 mm (1) 60 x 60 mm (1)	malè white	EK-S2F-FBM
		beige luxor	EK-S2F-FBL
		beaver ottawa	EK-S2F-FCO
		cocoa orinoco	EK-S2F-FCC
		grey efeso	EK-S2F-FGE
		grey london	EK-S2F-FGL
		grey bromine	EK-S2F-FGB
		green commodore	EK-S2F-FVC
		black ingo	EK-S2F-FNI
	55 x 55 mm (2)	malè white	EK-S2P-FBM
		beige luxor	EK-S2P-FBL
		beaver ottawa	EK-S2P-FCO
		cocoa orinoco	EK-S2P-FCC
		grey efeso	EK-S2P-FGE
		grey london	EK-S2P-FGL
		grey bromine	EK-S2P-FGB
		green commodore	EK-S2P-FVC
		black ingo	EK-S2P-FNI

FENIX NTM®

Series	Window	Colour	Code
	55 x 55 mm (1) 60 x 60 mm (1)	malè white	EK-S2G-FBM
		beige luxor	EK-S2G-FBL
		beaver ottawa	EK-S2G-FCO
		cocoa orinoco	EK-S2G-FCC
		grey efeso	EK-S2G-FGE
		grey london	EK-S2G-FGL
		grey bromine	EK-S2G-FGB
		green commodore	EK-S2G-FVC
		black ingo	EK-S2G-FNI
	60 x 60 mm (2)	malè white	EK-S2S-FBM
		beige luxor	EK-S2S-FBL
		beaver ottawa	EK-S2S-FCO
		cocoa orinoco	EK-S2S-FCC
		grey efeso	EK-S2S-FGE
		grey london	EK-S2S-FGL
		grey bromine	EK-S2S-FGB
		green commodore	EK-S2S-FVC
		black ingo	EK-S2S-FNI

DIN-RAIL MOUNT MODULES

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Dimmer	327
Thermal regulation	340
Gateway	348
Metering	361
Accessories	367


ekinex
EK-GD1-TP-4-HV-N
Dimmer KNX
In: 90 – 230Vac 50/60H
Out: 4x 1A max 2A
C1
C2
C3
C4
Prog.
ekinex
EK-CE2-TP
3 digital and 1 config. IN
2 OUT 5A interface
INPUT
OUTPUT
ETIPEKCE2TPXX00
ekinex
EK-FG1-TP
Universal actuator 8OUT
230V AC / 16A
A
B
C
D
>2s
PROG
ekinex
EK-AH1-TP
Power supply KNX 640mA
200-240VAC
0.25A
50-60Hz
KNX BUS 30VDC
30VDC
-5°C to +50°C
I1 + I2 ≤ 640mA
ON
Reset
RoHS
www.ekinex.com
1243.1
EN. TOT
kWh
LED PROG
EK-MS1-TP-20D
nergy meter 3x 20A 230/400Vac 50/60 Hz
Direct measurement
DALI
3
4

Power supply units

DIN-RAIL MOUNT MODULES

	EK-AM1-TP **1280 mA bus power supply**	EK-AH1-TP **KNX bus power supply 640 mA with 30 Vdc auxiliary output**
		
Max. number of KNX devices that can be connected on KNX bus supply line	256	64
Reset of the connected bus line through pushbutton	•	•
LED for output voltage on KNX bus	•	•
LED for overload / short circuit on KNX bus	•	•
Integrated decoupling choke	•	•
Power supply 230 Vac	•	-
Power supply 180 - 264 Vac, 176 - 280 Vdc	•	-
Power supply 180 - 264 Vac, 254 - 370 Vdc	-	•
Output for auxiliary power supply 30 Vdc	•	•
Mounting on standard 35 mm rail (EN 60715)	•	•

System devices

DIN-RAIL MOUNT MODULES

	EK-TM1-TP **Time / astronomical digital switch**	EK-IE1-SEC-TP **IP secure interface**	EK-IF1-SEC-TP **IP secure router**
			
Suppress device configuration on the sub line	-	•	•
Enable or disable filtering of group messages and suppress device oriented messages	-	•	•
Trace the traffic on the sub line and reduced number of retransmissions	-	•	•
Function pushbutton	•	•	•
Status LED for KNX bus line	-	•	•
Status LED for Ethernet	-	•	•
Mounting on standard 35 mm rail (EN 60715)	•	•	•
Plug in program	•	•	•
Programming pushbutton	-	•	•
Connection of a PC or laptop to the KNX bus system	-	•	•
Secure features	-	•	•
Time programming (daily, weekly, monthly or yearly) or astronomical	•	-	-
Control of 9 channels on bus	•	-	-
Channel 1 can be replicated on the relay on board	•	-	-
LCD-display	•	-	-
Backup battery	•	-	-
Connection of an optional GPS module	•	-	-

KNX bus power supply 640 mA with 30 Vdc auxiliary output

POWER SUPPLY UNITS



Description

The Ekinex® EK-AH1-TP power supply produces and monitors the 30 Vdc voltage required to operate the KNX bus system. A coil built into the device provides decoupling between the power supply and the bus line. The output has overvoltage, overcurrent and short-circuit protection. EK-AH1-TP has an additional 30 Vdc output that can be used for auxiliary power supply to other SELV safety extra-low voltage devices. The total current made available by the two outputs (KNX bus line and auxiliary power supply) cannot exceed 640 mA. The device can support short interruptions of the line voltage.

Main features

- Plastic housing
- Connection to bus line via KNX terminal
- Auxiliary power connection via dedicated screw terminals
- Power connection via screw terminals
- IP 20 degree of protection (device installed)
- Climatic classification 3K5 and mechanical classification 3M2 (according to EN 50491-2)
- Pollution degree 2 (according to IEC 60664-1)
- Safety class II
- Mounting on 35 mm profile rail (according to EN 60715)
- Device from 3 modular units (1 UM = 18 mm)
- Weight 195 g

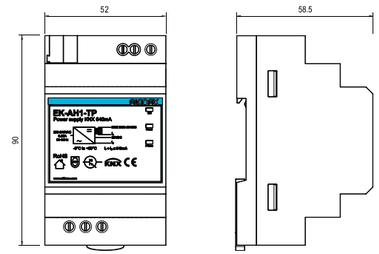
Technical data

- Supply voltage 200-230 Vac, 50/60 Hz
- Power consumption 20 W
- Losses < 3 W
- Voltage on bus line: 30 Vdc +/-5 % SELV
- Voltage on auxiliary output: 30 Vdc
- Rated current: 640 mA
- Buffer time: 200 ms

Delivery

The supply includes a terminal for connection to the bus line.

Dimensions [mm]



Order information

Code	Package
EK-AH1-TP	**1 pz.**

Documentation

For more information see the technical documentation, download from **www.ekinex.com**



1280 mA bus power supply

POWER SUPPLY UNITS

Description

The Ekinex® EK-AM1-TP power supply produces and monitors the 30 Vdc voltage required for operation of the KNX bus system. A coil integrated in the device decouples the power supply from the bus line. The output has overload and short-circuit protection. It has an additional 30 Vdc output that can be used for auxiliary supply of other SELV devices. The total current provided by the two outputs (KNX bus line and auxiliary power supply) cannot exceed 1280 mA. The device is capable of supporting short mains voltage interruptions (max. 200 ms).

Main features

- Plastic housing
- Connection to bus line via KNX terminal
- Auxiliary power connection via dedicated screw terminals
- Power supply connection via screw terminals
- Degree of protection IP 20 (device installed)
- Climatic classification 3K5 and mechanical classification 3M2 (according to EN 50491-2)
- Pollution degree 2 (according to IEC 60664-1)
- Safety class I
- Mounting on 35 mm profile rail (according to EN 60715)
- Device with 4 modular units (1 UM = 18 mm)
- Weight 320 g

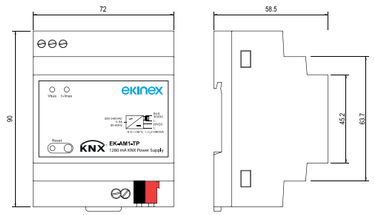
Technical data

- Supply voltage 230 Vac, 50/60 Hz
- Power consumption 39 W
- Losses < 3 W
- Voltage on bus line: 30 Vdc +1/-2 Vdc SELV
- Voltage on auxiliary output: 30 Vdc
- Nominal current: 1280 mA
- Buffer time: 200 ms

Delivery

Delivery includes one terminal blocks for connection to the bus.

Dimensions [mm]



Order information

Code	Package
EK-AM1-TP	1 pcs.

Documentation

For more information see the technical documentation, download from **www.ekinex.com**





Time / astronomical digital switch

SYSTEM DEVICES

Description

The EK-TM1-TP electronic digital time switch is a KNX device for the management over time of the electrical devices. It allows time programming (periodicity: daily, weekly or annual) or astronomical programming. The device can pilot 9 different channels on KNX bus. The relay on the device replicates the channel 1 programming. Each channel can be associated with a different programming (time or astronomical). It is possible to connect via bus the EK-GPS-1 module (to be ordered separately), that captures the time and the position through the satellite system, ensuring a greater accuracy over time. The backup battery keeps the settings even in case of power failure and can be replaced through the cover (sealable).

Main features

- Technopolymer casing
- LCD with backlight (active only with AC power supply)
- Password lockable keyboard
- 450 storable programs (900 events) divisible on 9 channels
- Daily/weekly/monthly/yearly + astronomical programming
- On/off, pulse, holiday, random, night (astronomical) programmes
- Programming resolution 1 minute
- Actions type 1B
- Automatic update of daylight saving time (configurable)
- Connection to bus line with KNX terminal block
- Screw terminal blocks for connecting 230 Vac, output and GPS module
- Lithium backup battery: 3V, CR14250 type (5-years life, replaceable)
- Reinforced insulation between accessible parts (front) and all the other terminals
- Protection degree IP20 (device installed)
- Mounting on 35 mm standard DIN-rail (according to EN 60715)
- 3 modular units (1 UM = 18 mm)

Technical data

- Power supply: 115 ÷ 230 Vac (-15% ÷ +10%) 50/60 Hz
- Power consumption: 7 VA (2.6 W)

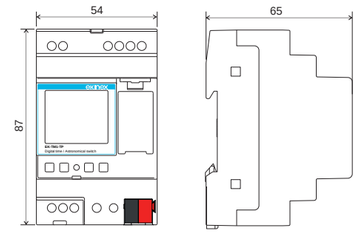
Output

- 1 monostable switching relay 16(10) A at 250 Vac

Delivery

Delivery includes a terminal block for connection to the bus. The optional module EK-GPS-1 has to be ordered separately.

Dimensions [mm]



Order information

Code	Package
EK-TM1-TP	1 pcs.
EK-GPS-1	

Configuration and commissioning

By means of ETS5 software or later versions
Application program: **APEKTM1TP##.knxprod**
(## = version, downloadable from www.ekinex.com)

Documentation

For more information see the technical documentation, download from **www.ekinex.com**

EK-TM1-TP EK-GPS-1



Secure KNX Line Coupler

MODULI DI SISTEMA

Description

The device features an extended filter table for groups 0–31 and ensures galvanic isolation between lines. The coupler supports KNX Data Security and KNX Long Frames. It is compatible with ETS® software version 5 and later. With the product database for ETS 6, the device also offers security proxy and segment coupler functionality.The buttons on the front panel allow you to disable telegram filters for testing purposes. The LEDs indicate operational status and communication errors on the bus. The device features an integrated KNX bus communication module and is designed for mounting on a 35 mm profile rail. Power is supplied via the KNX bus (main line). As a secure interface, the device prevents unauthorized access to the system.

Main features

KNX

- Transmission medium: TP/TP
- KNX security (AES-128) (incl. Security Proxy)
- KNX segment coupler function
- Extended filter table for main group 0...31

Controls and indicators

- 2 buttons and 3 LEDs (multicolored)
- KNX programming button with LED (red)

Other features

- Plastic housing (PC)
- Mounting on 35 mm rail (according to EN 60715)
- Protection rating IP20 (device installed, according to EN 60529)
- Equipment class III (according to EN 60664-1)
- Climate class 3K5 and mechanical class 3M2 (according to EN 50491-2)
- 1 modular unit (1 unit = 18 mm)
- Weight 40 g
- Dimensions (WxHxD): 17.8 x 90 x 60 mm

Technical data

Power Supply

- 30 Vdc from the KNX bus line
- Current consumption: KNX main line approx. 5 mA, KNX sub-line approx. 3 mA (sub) KNX circa 3 mA

Connectors

- KNX TP main line connector (red/black)
- Connector for KNX sub line TP (red/black)

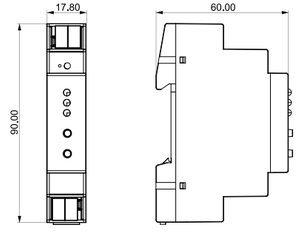
Environmental conditions

- Operating ambient temperature: -5 ... +45 °C
- Non-operating ambient temperature: -25 ... +70 °C
- Relative humidity (non-condensing): 5 ... 93 %

Delivery

Delivery includes a terminal block for connection to the bus.

Dimensions [mm]



Order information

Code	Package
EK-ID1-SEC-TP	1 pcs.

Configuration and commissioning

By means of ETS5 software or later versions
Application programs **APEKID1SECTP##.knxprod** (download from www.ekinex.com)

Documentation

For more information see the technical documentation, download from **www.ekinex.com**



IP secure interface

SYSTEM DEVICES

Description

The EK-IE1-SEC-TP IP interface realises a bidirectional data connection between a PC or laptop and a KNX bus system via a LAN network. The IP interface supports the tunnelling protocol and allows addressing, parameter setting, visualisation, protocolling and diagnosis of KNX bus devices via ETS. The device has an integrated KNX bus communication module and is designed for mounting on a 35 mm profile rail. The power supply is supplied via the KNX bus. As a secure interface, the device prevents unauthorised access to the system.

Main features

- Plastic housing
- Programming button and LED on the front panel
- LEDs for status and data traffic indication on bus line and Ethernet network
- Buttons for activating special functions
- Connection to bus line via KNX terminal
- Connection to Ethernet network via RJ45 connector
- Mounting on 35 mm profile rail (in accordance with EN 60715)
- Device from 1 modular unit (1 UM = 18 mm)
- IP20 degree of protection (device installed)
- Support of KNX secure technology, can be activated via ETS®.

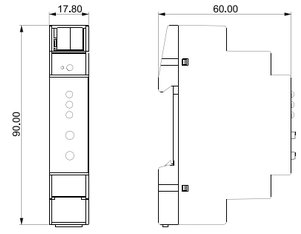
Technical data

- Power supplied via KNX bus (21-30 Vdc)
- Current consumption 20 mA from KNX bus
- Up to 8 KNXnet/IP connections simultaneously
- Operating temperature: - 5 ... + 45°C
- Relative humidity: 5-93% non-condensing

Delivery

Delivery includes a terminal block for connection to the bus.

Dimensions [mm]



Order information

Code	Package
EK-IE1-SEC-TP	1 pcs.

Configuration and commissioning

By means of ETS5 software or later versions
Application programs **APEKIE1SECTP##.knxprod** (download from www.ekinex.com)

Documentation

For more information see the technical documentation, download from **www.ekinex.com**



IP secure router

SYSTEM DEVICES

Description

The EK-IF1-SEC-TP IP router realises a bi-directional data connection between a PC or laptop and a KNX bus system via a LAN. The IP interface supports the tunnelling protocol and allows addressing, parameter setting, visualisation, protocolling and diagnosis of KNX bus devices via ETS. A line/area coupler function is also integrated in the IP router; telegrams can be exchanged between KNX TP bus lines via the device via a backbone over TCP/IP. The device has an integrated KNX bus communication module and is designed for 35 mm profile rail mounting. The power supply is supplied via the KNX bus.

Main features

- Plastic housing
- Programming button and LED on the front
- LEDs for status and data traffic signalling on bus line and Ethernet network
- Buttons for activating special functions
- Connection to bus line via KNX terminal
- Connection to Ethernet network via RJ45 connector
- Mounting on 35 mm profile rail (in accordance with EN 60715)
- Device from 1 modular unit (1 UM = 18 mm)
- IP20 degree of protection (device installed)
- Support of KNX secure technology, can be activated via ETS®
- KNX line/area coupler functionality

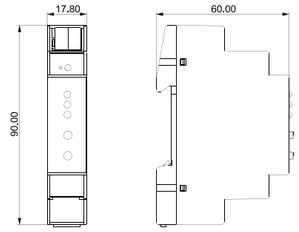
Technical data

- Power supplied via KNX bus (21-30 Vdc)
- Current consumption 20 mA from KNX bus
- Up to 8 KNXnet/IP connections simultaneously
- Extended filter table for main groups 0..31
- Operating temperature: - 5 ... + 45°C
- Relative humidity: 5-93% non condensing

Delivery

Delivery includes a terminal block for connection to the bus.

Dimensions [mm]



Order information

Code	Package
EK-IF1-SEC-TP	1 pcs.

Configuration and commissioning

By means of ETS5 software or later versions
Application programs **APEKIF1SECTP##.knxprod** (download from www.ekinex.com)

Documentation

For more information see the technical documentation, download from **www.ekinex.com**



KNX / USB-C Interface

SYSTEM DEVICES

Description

The EK-IG1-TP device can be used as a programming interface for ETS® software and supports KNX long frames. Long frames enable faster downloads to devices that support them and are required for KNX security.
The LEDs on the device indicate the operating status and communication errors on the bus. The USB connector (USB Type-C) is galvanically isolated from the KNX bus.

Main features

KNX

- Transmission medium: TP
- Interface protocol: HID/cEMI
- Max. APDU length: 233 bytes
- Object Server protocol: BAOS V2
- Device model: System B

Controls and indicators

- 3 LEDs (multicolour)

Other features

- Plastic housing (PC)
- Mounting on 35 mm rail (according to EN 60715)
- IP20 protection rating (device installed, according to EN 60529)
- Equipment class III (according to EN 60664-1)
- Climate class 3K5 and mechanical class 3M2 (according to EN 50491-2)
- 1 modular unit (1 unit = 18 mm)
- Weight 40 g
- Dimensions (WxHxD): 17.8 x 90 x 60 mm

Technical data

Power Supply

- Power supplied via the KNX bus (21–30 Vdc)
- Power via USB: no external power supply required.
- Current consumption: <15 mA from the KNX bus, <3 mA from the USB-C port

Connectors

- KNX TP bus connector (red/black)
- USB: Type-C connector, maximum cable length: 5 m

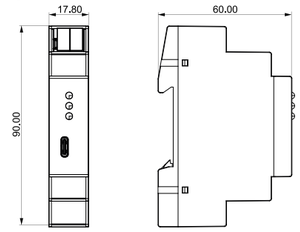
Environmental conditions

- Operating ambient temperature: -5 ... +45 °C
- Non-operating ambient temperature: -25 ... +70 °C
- Relative humidity (non-condensing): 5 ... 93 %

Delivery

Delivery includes a terminal block for connection to the bus.

Dimensions [mm]



Order information

Code	Package
EK-IG1-TP	1 pcs.

Configuration and commissioning

By means of ETS5 software or later versions
Application programs **APEKIG1TP##.knxprod** (download from www.ekinex.com)

Documentation

For more information see the technical documentation, download from **www.ekinex.com**

Power supply Switching 230Vac

POWER SUPPLY UNITS

	EK-PSUD12 **Power supply Switching 230Vac - 12V**	EK-PSUD24 **Power supply Switching 230Vac - 24V**
		
AC input 100-240Vac Full Range and DC input 110 – 350Vdc	•	•
Efficiency greater than 85%	•	•
No-load consumption <0.5W	•	•
Adjustable output voltage	•	•
Natural convection ventilation	•	•
Overload, over-temperature and short-circuit protection	•	•
Input protection with internal fuse	•	•
Can be installed on a 35mm DIN rail (EN 60715)	•	•
Max. 2 units can be connected in series	•	•
Parallel connection (power increase)	•	•
UL94V-0 fire-resistant plastic enclosure	•	•
Output voltage = 12 Vdc	•	-
Output current (at 230Vac) = 2A	•	-
Output current (at 110Vac) = 2A	•	-
Output voltage adjustment = 12-14 Vdc	•	-
Output voltage = 24 Vdc	-	•
Output current (at 230Vac) = 1A	-	•
Output voltage adjustment = 24-28 Vdc	-	•

Flush-mounted I/O modules

RAIL AND FLUSH-MOUNTING DEVICES

	EK-LM2-TP **4 IN**	EK-CC2-TP **2 IN / 2 OUT**	EK-CD2-TP **4 IN / 4 OUT**	EK-CG2-TP **4 IN conf. AI for NTC probes or DI / 4 OUT**	EK-CE2-TP **4 IN conf. / 2 OUT relay 5A**
					
Input channels [DI]	4	2	4	-	3
Channels configurable as input [DI] or output [DO] for low-consumption LEDs		-	-	4	-
Input channels configurable as [AI] for NTC probes or [DI]		-	-	4	1
Input channels for current transformers EK-TA-...		-	-	-	-
Output channels for low-consumption LEDs	-	2	4	4	-
Output channels relay (5A)		-	-	-	2
ON/OFF command of single or grouped loads	-	•	•	•	•
Dimming command of lighting devices	-	•	•	•	•
Actuator command of shutters, blinds, venetians, etc.	-	•	•	•	•
Detection of the status of the indication contacts	•	•	•	•	•
Sending and storing of scenes	-	•	•	•	•
Logic functions (AND, OR or XOR), 4 channels	•	•	•	•	•
Room thermostat function		-	-	•	•
Pulse and actuator counting		•	•	•	•
Mounting on 35 mm standard DIN rail (EN 60715) through support EK-SMG-35	•	•	•	•	•



Power supply Switching 230Vac

POWER SUPPLY UNITS

Description

The EK-PSUDxx device is a switching power supply with 100 to 240 Vac and 50 to 60 Hz input, or 110 to 350 Vdc input, capable of delivering an adjustable output voltage of 23.3 to 28 Vdc. Suitable for installation in electrical panels on a 35 mm profile rail (according to EN 60715), it is also equipped with thermal, overload and short-circuit protection and supplied in a UL94V-0 fire-resistant plastic case with 2 modular units (1 UM = 18 mm).

Connections

- Screw terminals for mains input
- Screw terminals for load outputs
- Screw terminals for output voltage adjustment

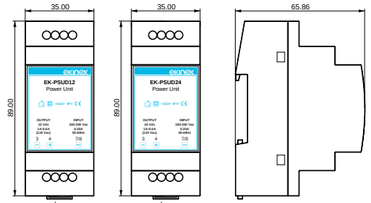
Main features

- Output voltage adjustment in the range 23.3 ÷ 28 Vdc using an adjustable trimmer with Phillips screwdriver.
- Particularly suitable for powering Delégo EK-DEL-... modules designed for the supervision and control of KNX standard home automation systems.

Technical data

- Input voltage: 100 to 240 Vac and 50 to 60 Hz, or 110 to 350 Vdc
- Nominal current at input voltage 115 / 230Vac: 0.20 / 0.22 A
- Input protection with fuse
- Output current @115 Vac: 0.5 A
- Hold-up time: 15 ms @230Vac, 7ms @115Vac
- Ripple < 50 mV rms
- Electronic protections: thermal, overload, short circuit
- Power dissipation: 4 W @230Vac
- Operating temperature: -10 ... +60 °C
- Non-condensing relative humidity: 0 ... 95%
- Number of modular units: 2
- UL94V-0 fire-retardant plastic housing
- Connections with screw terminal block, max cable 2.5 mm2
- Protection class: IP20
- Dimensions (WxHxD): 35.5 x 90 x 60 mm
- Weight: 110g
- Standards: classification according to CEI EN 64-8 PELV / SELV, CEI EN 60950-1, CEI EN 61000-6-1, CEI EN 61000-6-3, CEI EN 55011, CEI EN 55014

Dimensions [mm]



Order information

Code	Voltage	Package
EK-PSUD12	230VAC 12VDC 2A	1 pcs.
EK-PSUD24	230VAC 24VDC 1A	

Documentation

For more information see the technical documentation, download from **www.ekinex.com**

EK-PSUD12 EK-PSUD24



Configurable logical module

FLUSH-MOUNTED I/O MODULES

Description

The configurable logical module Ekinex® EK-LM2-TP is a KNX S-mode device that can be used to perform logic and data processing functions on data exchanged on the KNX bus. The device is suitable for mounting in wall box or on 35 mm rail (EN 60715) with the support EK-SMG-35 included in the delivery. To be used in KNX installations for home and building automation. The device is powered by the KNX bus line with a SELV voltage 30 Vdc and does not require auxiliary power.

Main features

- Plastic housing
- Wall installation in flush mounting box or, with a mounting support, on 35 mm rail (according to EN 60715)
- Protection degree IP20 (installed device)
- Classification climatic 3K5 and mechanical 3M2 (according to EN 50491-2)
- Pollution degree 2 (according to IEC 60664-1)
- Weight 20 g

Functions

The device implements independent blocks of the below listed types:

- **Logic:** Combines a number of boolean inputs according to logic operations.
- **Arithmetic:** Performs mathematical computations on one or more input values.
- **Range:** Performs a scaling of the input value to a different range of values, or a boundary limit.
- **Mapping:** Translates a set of input values (up to 8 points) to a different set of output values.
- **Conversion:** Converts a KNX communication object to another one with a different KNX data type (DPT).
- **Timer:** Implements a one-shot (monostable) or free running (stable) timer, with configurable on- and off-delay times.
- **Compare:** Returns the result of a comparison (equal, larger, smaller etc.) between two input values
- **Multiplexer:** Copies the value of one input object to either 1 of N output objects, or to all objects selected in the output set.

Each function can be configured in different ways by means of parameters in the ETS application. There are several independent instances available for each type of block, therefore the device can be used to fulfill many requirements or to solve a large number of contingencies in the same installation. An additional terminal block allows the connection of up to 4 dry contacts for simple external inputs.

Power supply

- 30 Vdc power supply by KNX bus
- Current consumption from bus < 10 mA

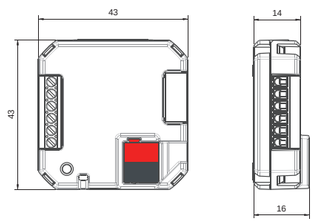
Delivery

Delivery includes a terminal block for connection to the bus.

Accessories

Support for mounting on a standard 35 mm DIN-rail (code EK-SMG-35) and spring for snapping on the back of Ekinex® wall-mount devices (code EK-MAR-...) to be ordered separately.

Dimensions [mm]



Order information

Code	Version	Package
EK-LM2-TP	4 IN	1 pcs.

Configuration and commissioning

By means of ETS5 software or later versions
Application program **APEKLM2TP##.knxprod** (download from www.ekinex.com))

Documentation

For more information see the technical documentation, download from **www.ekinex.com**





Universal interface 2 (4) IN, 2 (4) OUT

FLUSH-MOUNTED I/O MODULES

Description

The Ekinex® universal interface is a KNX device which can be used as input and/or output module. The device is equipped with:
- inputs to connect the KNX bus to switches, pushbuttons or classic sensors (normally not communicating on the KNX bus) or any binary signals from other devices, in order to control KNX bus functions;
- control outputs for low consumption LEDs.

The voltage for polling the inputs is supplied within the device. The device integrates a KNX bus communication module and is realized for flush-mounting or for mounting on a standard 35 mm DIN-rail. The device is powered by the KNX bus and does not require auxiliary power supply.

Main features

- Technopolymer casing
- Programming pushbutton and LED on the case
- Connection to bus line with KNX terminal block
- Screw terminal blocks for connecting inputs and outputs
- IP20 protection degree (installed device)
- Weight 20 g

Power supply

- 30 Vdc power supply by KNX bus
- Current consumption from bus < 10 mA

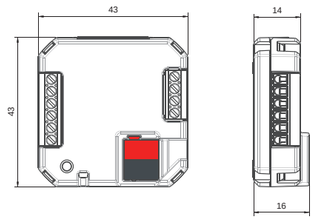
Delivery

Delivery includes a terminal block for connection to the bus.

Accessories

Support for mounting on a standard 35 mm DIN-rail (code EK-SMG-35) and spring for snapping on the back of Ekinex® wall-mount devices (code EK-MAR-...) to be ordered separately.

Dimensions [mm]



Order information

Code	Version	Package
EK-CC2-TP	2 IN / 2 OUT	1 pcs.
EK-CD2-TP	4 IN / 4 OUT	

Configuration and commissioning

By means of ETS5 software or later versions
Application program **APEKCC2TP##.knxprod** (EK-CC2-TP) or
APEKCD2TP##.knxprod (EK-CD2-TP) (download from www.ekinex.com)

Documentation

For more information see the technical documentation, download from **www.ekinex.com**

EK-CC2-TP EK-CD2-TP



Universal interface 4 configurable IN, 4 OUT

FLUSH-MOUNTED I/O MODULES

Description

The Ekinex® EK-CG2-TP pushbutton interface is a KNX device which can be used as input and/or output module. The device is equipped with 4 configurable inputs and 4 control outputs for low consumption LEDs.
Inputs can be independently configured to connect the KNX bus to:
- switches, pushbuttons, classic sensors (normally not communicating on the KNX bus) or any binary signals from other devices, in order to control KNX bus functions;
- passive temperature sensors (NTC 10 kΩ at 25°C). The environment air mass temperature value, measured by those sensors, can be sent onto the bus or be used to control a room or zone temperature through the integrated thermostat function.
The voltage for polling the inputs is supplied within the device. The device integrates a KNX bus communication module and is realized for flush-mounting or for mounting on a standard 35 mm DIN-rail. The device is powered by the KNX bus and does not require auxiliary power supply.

Main features

- Technopolymer casing
- Programming pushbutton and LED on the case
- Connection to bus line with KNX terminal block
- Screw terminal blocks for connecting inputs and outputs
- IP20 protection degree (installed device)
- Weight 20 g

Power supply

- 30 Vdc power supply by KNX bus
- Current consumption from bus < 10 mA

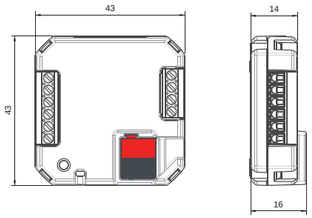
Delivery

Delivery includes a terminal block for connection to the bus. The NTC temperature sensors (page 231) for those channels configured as [AI] must be ordered separately.

Accessories

Support for mounting on a standard 35 mm DIN-rail (code EK-SMG-35) and spring for snapping on the back of Ekinex® wall-mount devices (code EK-MAR-...) to be ordered separately.

Dimensions [mm]



Order information

Code	Version	Package
EK-CG2-TP	4 IN / 4 OUT	1 pcs.

Configuration and commissioning

By means of ETS5 software or later versions
Application program **APEKCG2TP##.knxprod** (download from www.ekinex.com)

Documentation

For more information see the technical documentation, download from **www.ekinex.com**



Universal interface 4 IN, 2 OUT (relay 5A)

FLUSH-MOUNTED I/O MODULES

Description

The Ekinex® universal interface EK-CE2-TP is a KNX device which can be used as input and/or output module. The device is equipped with:
- 4 inputs to connect the KNX bus to switches, pushbuttons or classic sensors (normally not communicating on the KNX bus) or any binary signals from other devices, in order to control KNX bus functions. In addition, one input is configurable as analogue to connect a NTC temperature sensor (10 kΩ a 25 °C);
- 2 5A relay outputs to be used as electrical load control (independent) or paired for shutter and blind actuator control.
The voltage for polling the inputs is supplied within the device. The device integrates a KNX bus communication module and is realized for flush-mounting or for mounting on a standard 35 mm DIN-rail. The device is powered by the KNX bus and does not require auxiliary power supply.

Main features

- Technopolymer casing
- Programming pushbutton and LED on the case
- Connection to bus line with KNX terminal block
- Screw terminal blocks for connecting inputs and outputs
- IP20 protection degree (installed device)
- Weight 35 g

Power supply

- 30 Vdc power supply by KNX bus
- Current consumption from bus < 10 mA

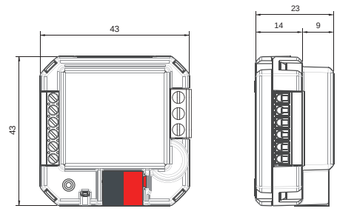
Delivery

Delivery includes a terminal block for connection to the bus. The NTC temperature sensors (page 231) for those channels configured as [AI] must be ordered separately.

Accessories

Support for mounting on a standard 35 mm DIN-rail (code EK-SMG-35) and spring for snapping on the back of Ekinex® wall-mount devices (code EK-MAR-...) to be ordered separately.

Dimensions [mm]



Order information

Code	Package
EK-CE2-TP	1 pcs.

Configuration and commissioning

By means of ETS5 software or later versions
Application program **APEKCE2TP##.knxprod**
(download from www.ekinex.com))

Documentation

For more information see the technical documentation, download from **www.ekinex.com**



Support for DIN-rail mounting

ACCESSORIES FOR FLUSH-MOUNTED I/O MODULES



Description

Support for mounting universal interfaces (except EK-CB2-TP) on a standard 35 mm DIN-rail.

Order information

Code	Package
EK-SMG-35-1	1 pcs.
EK-SMG-35-5	5 pcs.



Spring for snapping on wall-mount devices

ACCESSORIES FOR FLUSH-MOUNTED I/O MODULES



Description

Spring for snapping universal interfaces (except EK-CB2-TP) on the back of Ekinex® wall-mount devices.

Order information

Code	Package
EK-MAR-1	1 pcs.
EK-MAR-5	5 pcs.

I/O Modules and Actuators

DIN-RAIL MOUNT MODULES

	EK-FA1-TP 4-fold binary output	EK-FH1-TP Universal actuator 4 KNX outputs ÆVO series	EK-FG1-TP Universal actuator 8 KNX outputs ÆVO series	EK-FI1-TP Universal actuator 16 KNX outputs ÆVO series	EK-FH1-TP-I Universal I/O Module 4 outputs 4 inputs KNX ÆVO Series	EK-FG1-TP-I Universal I/O Module 8 outputs 8 inputs KNX ÆVO Series	EK-FI1-TP-I Universal I/O Module 16 outputs 16 inputs KNX ÆVO Series
							
ON/OFF control of individual and grouped utilities	•	•	•	•	•	•	•
Configuration of individual outputs as normally open or normally closed	•	•	•	•	•	•	•
Logic ports and forced operation for each channel	•	•	•	•	•	•	•
Manual control via microswitch	-	•	•	•	•	•	•
Manual control via toggle switches (even when there is no voltage on the bus)	•	-	-	-	-	-	-
Output status indication via toggle switch position	•	-	-	-	-	-	-
Output status indication via LEDs	-	•	•	•	•	•	•
Manual/automatic mode switch button	-	•	•	•	•	•	•
Lock function for each channel	-	•	•	•	•	•	•
230 Vac auxiliary power supply	-	-	-	-	-	-	-
Switch-off and switch-on timers and staircase lights	•	•	•	•	•	•	•
Scenario management	•	•	•	•	•	•	•
Operating hours counter configurable via bus	•	•	•	•	•	•	•
Roller shutter/venetian blind mode operation	-	•	•	•	•	•	•
Automatic control for protection from direct sunlight	-	•	•	•	•	•	•
Automatic control for protection from atmospheric conditions (rain, wind, frost)	-	•	•	•	•	•	•
Mounting on standard 35 mm rail (EN 60715)	•	•	•	•	•	•	•



Universal actuator 4 KNX outputs ÆVO series

I/O MODULES AND ACTUATORS

Description

ÆVO built to last - Unbeatable reliability and durability for a worry-free tomorrow.
The universal actuator EK-FH1-TP from the ÆVO series allows you to control up to 4 groups of electrical loads, such as lights and valves, or to control up to 4 motorised drives, such as Venetian blinds and 3-way valves, independently and in any combination; for this purpose, the device has outputs equipped with potential-free relay contacts. The device's bistable relays ensure that the set control status is maintained even if the bus is de-energised.

The device is equipped with pushbuttons for manual control and LEDs for status indication; a button allows switching between automatic and manual operation. The device has an integrated KNX bus communication module and is designed for mounting on a 35 mm profile rail. Power is supplied via the KNX bus and no auxiliary power supply is required.

Main features

- Plastic housing
- Buttons and LEDs for control and status indication of the outputs on the front panel
- Button and LED for programming or manual/automatic operation on the front panel
- Bus line connection via KNX terminal
- Connection of loads via screw terminals with cable cross-section up to 4 mm2
- Connection of different phases on adjacent outputs
- 4 modular units (1 UM = 18 mm)
- Technical data
- Power supply
- Voltage 30 Vdc via KNX bus

Technical data

Power supply

- Voltage 30 Vdc via KNX bus

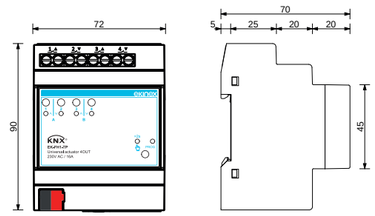
Outputs

- Number: 4 (bistable relays)
- Voltage 230V AC
- Current: 16 A

Delivery

The delivery includes a terminal for connection to the bus line.

Dimensions [mm]



Order information

Code	Package
EK-FH1-TP	1 pcs.

Configuration and commissioning

By means of ETS5 software or later versions
Application program **APEKFH1TP##.knxprod**
(download from www.ekinex.com)

Documentation

For more information see the technical documentation,
download from **www.ekinex.com**



Universal actuator 8 KNX outputs ÆVO series

I/O MODULES AND ACTUATORS

Description

ÆVO built to last - Unbeatable reliability and durability for a worry-free tomorrow.
The universal actuator EK-FG1-TP from the ÆVO series allows you to control up to 8 groups of electrical loads, such as lights and valves, or to control up to 8 motorised drives, such as Venetian blinds and 3-way valves, independently and in any combination; for this purpose, the device has outputs equipped with potential-free relay contacts. The device's bistable relays ensure that the set control status is maintained even if the bus is de-energised.

The device is equipped with pushbuttons for manual control and LEDs for status indication; a button allows switching between automatic and manual operation. The device has an integrated KNX bus communication module and is designed for mounting on a 35 mm profile rail. Power is supplied via the KNX bus and no auxiliary power supply is required.

Main features

- Plastic housing
- Buttons and LEDs for control and status indication of the outputs on the front panel
- Button and LED for programming or manual/automatic operation on the front panel
- Bus line connection via KNX terminal
- Connection of loads via screw terminals with cable cross-section up to 4 mm2
- Connection of different phases on adjacent outputs
- 4 modular units (1 UM = 18 mm)
- Technical data
- Power supply
- Voltage 30 Vdc via KNX bus

Technical data

Power supply

- Voltage 30 Vdc via KNX bus

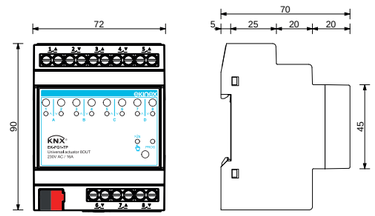
Outputs

- Number: 8 (bistable relays)
- Voltage 230V AC
- Current: 16 A

Delivery

The delivery includes a terminal for connection to the bus line.

Dimensions [mm]



Order information

Code	Package
EK-FG1-TP	1 pcs.

Configuration and commissioning

By means of ETS5 software or later versions
Application program **APEKFG1TP##.knxprod**
(download from www.ekinex.com)

Documentation

For more information see the technical documentation,
download from **www.ekinex.com**



Universal actuator 16 KNX outputs ÆVO series

I/O MODULES AND ACTUATORS

Description

ÆVO built to last - Unbeatable reliability and durability for a worry-free tomorrow. The universal actuator EK-FI1-TP from the ÆVO series allows you to control up to 16 groups of electrical loads, such as lights and valves, or to control up to 8 motorised drives, such as Venetian blinds and 3-way valves, independently and in any combination; for this purpose, the device has outputs equipped with potential-free relay contacts. The device's bistable relays ensure that the set control status is maintained even if the bus is de-energised.

The device is equipped with pushbuttons for manual control and LEDs for status indication; a button allows switching between automatic and manual operation. The device has an integrated KNX bus communication module and is designed for mounting on a 35 mm profile rail. Power is supplied via the KNX bus and no auxiliary power supply is required.

Main features

- Plastic housing
- Buttons and LEDs for control and status indication of the outputs on the front panel
- Button and LED for programming or manual/automatic operation on the front panel
- Bus line connection via KNX terminal
- Connection of loads via screw terminals with cable cross-section up to 4 mm2
- Connection of different phases on adjacent outputs
- 4 modular units (1 UM = 18 mm)
- Technical data
- Power supply
- Voltage 30 Vdc via KNX bus

Technical data

Power supply

- Voltage 30 Vdc via KNX bus

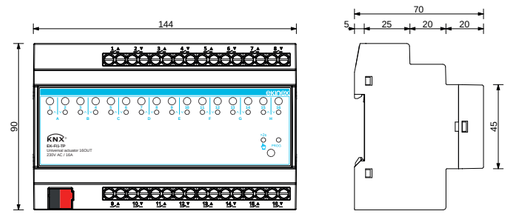
Outputs

- Number: 16 (bistable relays)
- Voltage 230V AC
- Current: 16 A

Delivery

The delivery includes a terminal for connection to the bus line.

Dimensions [mm]



Order information

Code	Package
EK-FI1-TP	1 pcs.

Configuration and commissioning

By means of ETS5 software or later versions
Application program **APEKFI1TP##.knxprod**
(download from www.ekinex.com)

Documentation

For more information see the technical documentation,
download from **www.ekinex.com**



Universal I/O Module 4 outputs 4 inputs KNX ÆVO Series

I/O MODULES AND ACTUATORS

Description

ÆVO built to last - Unbeatable reliability and durability for a worry-free tomorrow.The EK-FH1-TP-I universal I/O module from the ÆVO Series allows you to control up to 4 groups of electrical devices, such as lights and valves, or up to 4 motorized drives, such as blinds and 3-way valves, independently and in any combination you like. for this purpose, the device has outputs equipped with potential-free bistable relay contacts that guarantee that the set control status is maintained even in the event of a power failure.

In addition, EK-FH1-TP-I allows the control of up to 4 drives, scenarios, up to 4 motors, dimmers, or the climate control of up to 4 rooms using the integrated thermostat/ hygrostat function, by reading traditional commands and sensors equipped with potential-free contacts or passive NTC temperature probes: For this purpose, the device has 4 analog/digital inputs that can be configured independently with interrogation voltage produced inside the device.

The product is equipped with buttons for manual control and LEDs for status indication: a button allows switching between automatic and manual operation. The device has an integrated KNX bus communication module and is designed for mounting on a 35 mm profile rail. Power is supplied via the KNX bus and no auxiliary power supply is required.

Main features

- Technopolymer casing
- Buttons and LEDs for control and output status indication on the front panel
- Button and LED for programming or manual/automatic operation on the front panel
- Bus line connection via KNX terminal
- Connection of loads to outputs via screw terminals with cable cross-section up to 4 mm^2
- Connection of loads to inputs via screw terminals with cable cross-section up to 2.5 mm^2
- Connection of different phases on adjacent outputs
- Device with 4 modular units (1 MU = 14 mm)

Technical data

Power supply

- Voltage 30 Vdc via KNX bus

Outputs

- Number: 4 (bistable relays)
- Voltage 230V AC
- Current: 16 A

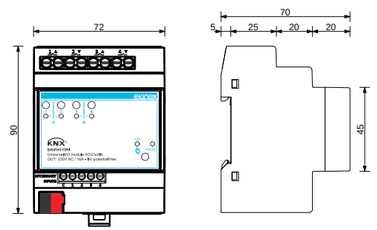
Inputs

- Number: 4 (configurable analog/digital)
- For passive temperature sensors (NTC 10 kΩ at 25°C)
- For switches, buttons, or traditional potential-free sensors

Delivery

The supply includes a terminal for connection to the KNX bus line.
Any NTC temperature sensors to be connected to the inputs must be ordered separately.

Dimensions [mm]



Order information

Code	Package
EK-FH1-TP-I	1 pcs.

Configuration and commissioning

By means of ETS5 software or later versions
Application program **APEKFH1TPI##.knxprod**
(download from www.ekinex.com)

Documentation

For more information see the technical documentation,
download from **www.ekinex.com**



Universal I/O Module 8 outputs 8 inputs KNX ÆVO Series

I/O MODULES AND ACTUATORS

Description

ÆVO built to last - Unbeatable reliability and durability for a worry-free tomorrow. The EK-FG1-TP-I universal I/O module from the ÆVO Series allows you to control up to 8 groups of electrical devices, such as lights and valves, or up to 4 motorized drives, such as blinds and 3-way valves, independently and in any combination you like. for this purpose, the device has outputs equipped with potential-free bistable relay contacts that guarantee that the set control status is maintained even in the event of a power failure.

In addition, EK-FG1-TP-I allows the control of up to 8 drives, scenarios, up to 4 motors, dimmers, or the climate control of up to 8 rooms using the integrated thermostat/hygrostat function, by reading traditional commands and sensors equipped with potential-free contacts or passive NTC temperature probes; For this purpose, the device has 8 analog/digital inputs that can be configured independently with interrogation voltage produced inside the device.

The product is equipped with buttons for manual control and LEDs for status indication; a button allows switching between automatic and manual operation. The device has an integrated KNX bus communication module and is designed for mounting on a 35 mm profile rail. Power is supplied via the KNX bus and no auxiliary power supply is required.

Main features

- Technopolymer casing
- Buttons and LEDs for control and output status indication on the front panel
- Button and LED for programming or manual/automatic operation on the front panel
- Bus line connection via KNX terminal
- Connection of loads to outputs via screw terminals with cable cross-section up to 4 mm^2
- Connection of loads to inputs via screw terminals with cable cross-section up to 2.5 mm^2
- Connection of different phases on adjacent outputs
- Device with 4 modular units (1 MU = 18 mm)

Technical data

Power supply
- Voltage 30 Vdc via KNX bus

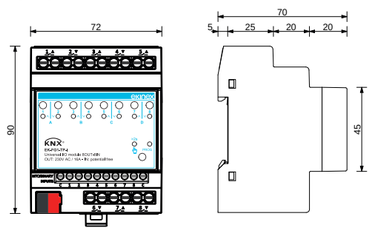
Outputs
- Number: 8 (bistable relays)
- Voltage 230V AC
- Current: 16 A

Inputs
- Number: 8 (configurable analog/digital)
- For passive temperature sensors (NTC 10 kΩ at 25°C)
- For switches, buttons, or traditional potential-free sensors

Delivery

The supply includes a terminal for connection to the KNX bus line.
Any NTC temperature sensors to be connected to the inputs must be ordered separately.

Dimensions [mm]



Order information

Code	Package
EK-FG1-TP-I	1 pcs.

Configuration and commissioning

By means of ETS5 software or later versions
Application program **APEKFG1TPI##.knxprod**
(download from www.ekinex.com)

Documentation

For more information see the technical documentation,
download from **www.ekinex.com**



Universal I/O Module 16 outputs 16 inputs KNX ÆVO Series

I/O MODULES AND ACTUATORS

Description

ÆVO built to last - Affidabilità e resistenza imbattibili per un domani senza pensieri. The EK-FG1-TP-I universal I/O module from the ÆVO Series allows you to control up to 8 groups of electrical devices, such as lights and valves, or up to 4 motorized drives, such as blinds and 3-way valves, independently and in any combination you like. for this purpose, the device has outputs equipped with potential-free bistable relay contacts that guarantee that the set control status is maintained even in the event of a power failure.

In addition, EK-FG1-TP-I allows the control of up to 8 drives, scenarios, up to 4 motors, dimmers, or the climate control of up to 8 rooms using the integrated thermostat/hygrostat function, by reading traditional commands and sensors equipped with potential-free contacts or passive NTC temperature probes; For this purpose, the device has 8 analog/digital inputs that can be configured independently with interrogation voltage produced inside the device.

The product is equipped with buttons for manual control and LEDs for status indication; a button allows switching between automatic and manual operation. The device has an integrated KNX bus communication module and is designed for mounting on a 35 mm profile rail. Power is supplied via the KNX bus and no auxiliary power supply is required.

Main features

- Technopolymer casing
- Buttons and LEDs for control and output status indication on the front panel
- Button and LED for programming or manual/automatic operation on the front panel
- Bus line connection via KNX terminal
- Connection of loads to outputs via screw terminals with cable cross-section up to 4 mm^2
- Connection of loads to inputs via screw terminals with cable cross-section up to 2.5 mm^2
- Connection of different phases on adjacent outputs
- Device with 4 modular units (1 MU = 18 mm)

Technical data

Power supply
- Voltage 30 Vdc via KNX bus

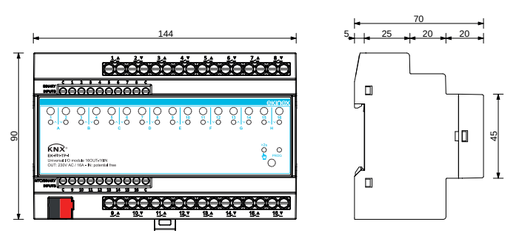
Outputs
- Number: 8 (bistable relays)
- Voltage 230V AC
- Current: 16 A

Inputs
- Number: 16 (configurable analog/digital)
- For passive temperature sensors (NTC 10 kΩ at 25°C)
- For switches, buttons, or traditional potential-free sensors

Delivery

The supply includes a terminal for connection to the KNX bus line.
Any NTC temperature sensors to be connected to the inputs must be ordered separately.

Dimensions [mm]



Order information

Code	Package
EK-FI1-TP-I	1 pcs.

Configuration and commissioning

By means of ETS5 software or later versions
Application program **APEKFI1TPI##.knxprod**
(download from www.ekinex.com)

Documentation

For more information see the technical documentation,
download from **www.ekinex.com**



4-fold binary output

I/O MODULES AND ACTUATORS

Description

The Ekinex® EK-FA1-TP binary output allows to command 4 groups of loads independently: to this purpose, the device has outputs fitted with potential-free relays, . The device's latching relays guarantee the upkeep of command status even in the case of bus power failures. The front levers indicate the status of each output channel and, in case of emergency, allow manual command (by means of a tool) of the loads. The device integrates a KNX bus communication module and is realized for mounting on a standard 35 mm DIN-rail. The device is supplied by the KNX bus and does not require auxiliary power supply.

Main features

- Technopolymer casing
- Frontal programming pushbutton and LED
- Connection to bus line with KNX terminal block
- Connection of outputs with screw terminals
- Overvoltage class III (according to EN 60664-1)
- Classification climatic 3K5 and mechanical 3M2 (according to EN 50491-2)
- Pollution degree 2 (according to IEC 60664-1)
- Installation on 35 mm rail (according to EN 60715)
- 4 modular units (1 MU = 18 mm)
- IP20 protection degree (installed device)
- Weight 205 g

Technical data

Power supply

- 30 Vdc voltage by KNX bus
- Current consumption from bus < 12 mA
- Power from bus 360 mW

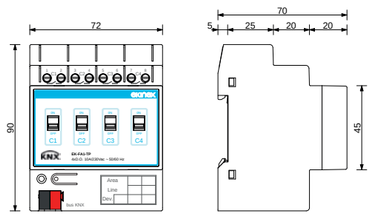
Outputs

- 4 latch relays
- Nominal voltage (U_n): 100-230Vac, 50/60Hz
- Nominal current (I_n): max 10 A (both @100Vac and @230Vac)
- Switched power: 1000W @100Vac - 2200 W @230Vac

Delivery

Delivery includes a terminal block for connection to the bus.

Dimensions [mm]



Order information

Code	Package
EK-FA1-TP	1 pcs.

Configuration and commissioning

By means of ETS5 software or later versions
Application program **APEKFA1TP##.knxprod**
(download from www.ekinex.com)

Documentation

For more information see the technical documentation, download from **www.ekinex.com**

Dimmers

DIN-RAIL MOUNT MODULES

	EK-GD2-TP-2-LV **2-channel KNX dimmer 12/24/48 Vdc Tunable White**	EK-GD1-TP-4-LV-T **4-channel KNX 12/24/48 Vdc dimmer with Tunable White**	EK-GD2-TP-1-HV **KNX Dimmer 90-230V~50/60Hz**	EK-GD1-TP-4-HV **KNX Dimmer 90-230V~50/60Hz 4-channels**	EK-GD1-TP-4-HV-N **KNX dimmer 90-230V~50/60Hz 4 channels with common neutral**	EK-GF1-TP **4-fold 0-10 V actuator**
						
ON/OFF switching of single or groups of lighting device	•	•	•	•	•	•
Brightness regulation and adjusting the light intensity	•	•	•	•	•	•
Light white tone adjustment (Tunable White)	•	•				
Logical gates and forced mode for each channel	•	•	•	•	•	•
Manual control by membrane pushbuttons	-	**(1)**	-	**(1)**	**(1)**	•
Status feedback of output channels through LEDs	**(1)**	**(1)**	**(1)**	**(1)**	**(1)**	•
Block function for each channel	•	•	•	•	•	•
Without auxiliary power supply	•	•	•	•	•	•
Time scheduling: switching delay for on and off, staircase lighting function	•	•	•	•	•	•
Integration in scenarios	•	•	•	•	•	•
Operating hours counter configurable via bus	•	•	•	•	•	•
Fade adjustable ramps	•	•	•	•	•	•
RGB / HSV operating mode	-	-	-	-	-	•
Mounting on standard 35 mm rail (EN 60715)	**(2)**	•	**(2)**	•	•	•

(1) Only for load tests / (2) With appropriate accessory

DALI Dimmers

DIN RAIL MOUNT MODULES

	EK-GD2-DL-1-L-01 **DALI dimmer 12/48 Vdc 1 channel multifunction**	EK-GD2-DL-2-L-01 **DALI dimmer 12/48 Vdc 2 channels multifunction**	EK-GD1-DL-4-L-01 **DALI dimmer 12/48 Vdc 4 channels multifunction**	EK-GD2-DL-1-HV **Dali Dimmer 90-230V~50/60Hz**	EK-GD1-DL-4-HV **Dali Dimmer 90-230V~50/60Hz 4 channels**
					
Memory function	•	•	•	•	•
Brightness adjustment until complete switch-off	•	•	•	•	•
Local control input	-	-	-	-	-
PWM modulation with settable frequency (390 / 3000 / 10000 Hz)	**(1)**	**(1)**	•	-	-
Settable dimming curve: linear / logarithmic	•	•	•	•	•
Smooth switching on and off	•	•	•	•	•
Optimised output curve	•	•	•	•	•
Screw terminals for DALI bus, control, power supply and LED source	•	•	•	•	**(2)**
Device power supply: 8 Vdc (min)... 52.8 Vdc (max)	•	•	•	-	-
Device power supply: 90-230 Vac 50/60 Hz	-	-	-	•	•

(1) Only 390–3000 Hz / (2) Spring terminals



Dimmer KNX 12/24/48 Vdc a 2 canali Tunable White

DIMMER

COMING SOON

Description

The EK-GD2-TP-2-LV 2-channel KNX 12/24/48 Vdc dimmer allows brightness control in constant voltage (CV) PWM mode for LED loads. Designed specifically for dimmable LED strips and loads, it is compatible with the KNX system and ideal for monochromatic and CCT strips with dynamic white (TW). The device has an integrated SELV 30 Vdc bus communication module, KNX certified.

Main features

- Plastic casing
- Device for free installation in junction boxes or walls
- Mounting on 35 mm profile rail (using the special bracket included)
- IP20 protection rating (device installed)
- ON/OFF control and brightness adjustment of individual or grouped lighting fixtures, Tunable White and DimToWarm
- Selection of PWM output frequency from ETS from 250 Hz to 6 kHz
- Fade-in time on and off, minimum and maximum brightness level, linear or logarithmic adjustment curve settable from ETS
- Soft or instant on and off, with settable delay
- Possibility of parallel connection of outputs to increase output power
- Configuration of behaviour after power restoration, bus ON/OFF, download via ETS
- Channels can be set from ETS as independent, in parallel or as Tunable White
- Lock function, forced operation, staircase lighting, scenarios, night mode, counter and logic functions for each channel, settable from ETS
- Power failure alarm
- Auxiliary output function via relay (external) with status indication via KNX
- Installer mode (with KNX bus active): pressing the programming button for approximately 2 seconds activates/deactivates the flashing of the programming LED and the load approximately every 1 second

Technical data

Inputs
- Supply voltage: min: 10.8 Vdc, max: 52.8 Vdc
- Constant input voltage: 12/24/48 Vdc

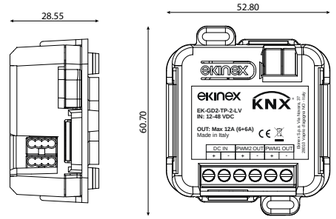
Outputs
- PWM voltage output 12/24/48 Vdc
- Output current: 6 A per single channel, or 12 A for 2 channels connected in parallel
- Output channels: 2
- Nominal power per single channel: 72 W @12 V, 144 W @24 V, 288 W @48 V

Dimming
- PWM dimming mode in the range 250 Hz ÷ 6 kHZ
- Dimming range: 1-100%

Supply

The supply includes a terminal for connection to the bus line.

Dimensions [mm]



Order information

Code	Channels	Packaging
EK-GD2-TP-2-LV	2	1 pz.

Configuration and commissioning

By means of ETS5 software or later versions
Application program **APEKGDXTPXLVTW##.knxpro**
(download from www.ekinex.com)

Documentation

For more information see the technical documentation, download from **www.ekinex.com**



Dimmer KNX 12/24/48 Vdc 4 canali Tunable White

ATTUATORI

COMING SOON

Description

The EK-GD1-TP-4-LV-T 4-channel KNX 12/24/48 Vdc dimmer allows brightness control in constant voltage (CV) PWM mode for LED loads. Designed specifically for dimmable LED strips and loads, it is compatible with the KNX system and ideal for monochromatic and CCT strips with dynamic white (TW). Installation is simple via DIN rail mounting, ensuring perfect integration into electrical panels. The device has an integrated SELV 30 Vdc bus communication module, KNX certified.

Main features

- Plastic housing
- Device for installation on 35 mm profile rail (4 modular units)
- IP20 protection rating (device installed)
- ON/OFF control and brightness adjustment of individual or grouped lighting fixtures, Tunable White and DimToWarm
- Selection of PWM output frequency from ETS from 250 Hz to 6 kHz
- Fade-in time on and off, minimum and maximum brightness levels, linear or logarithmic adjustment curve settable from ETS
- Soft or instant on and off, with settable delay
- Possibility of parallel connection of outputs to increase output power
- Configuration of behaviour after power restoration, bus ON/OFF, download via ETS
- Channels can be set from ETS as independent, parallel or Tunable White
- Lock function, forced operation, staircase lighting, scenarios, night mode, meter and logic functions for each channel, settable from ETS
- Power failure alarm
- Manual control with membrane buttons for local ON/OFF testing of channels 1-2-3-4: in manual mode, briefly pressing the button for a channel
- activates/deactivates the load, pressing for at least 2 seconds causes the load to flash approximately every 1 second
- Relay contact for switching off the AC/DC power supply when the 12/24/48 Vdc outputs are off, or alternatively as a relay for auxiliary output
- Auxiliary output function via relay with status indication via KNX

Technical data

Inputs
- Supply voltage: min: 10.8 Vdc, max: 52.8 Vdc
- Constant input voltage: 12 / 24 / 48 Vdc

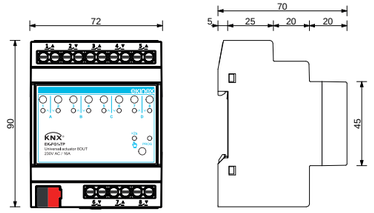
Outputs
- PWM voltage output 12 / 24 / 48 Vdc
- Output current: 6 A per single channel, or 12 A for 2 channels connected in parallel
- Output channels: 4
- Nominal power per single channel: 72 W @12 V, 144 W @24 V, 288 W @48 V

Dimming
- PWM dimming mode in the range 250 Hz ÷ 6 kHZ
- Dimming range: 1-100%

Supply

The supply includes a terminal for connection to the bus line.

Dimensions [mm]



Order information

Code	Packaging
EK-GD1-TP-4-LV-T	1 pcs.

Configuration and commissioning

By means of ETS5 software or later versions
Application program **APEKGDXTPXLVTW##.knxpro**
(download from www.ekinex.com)

Documentation

For more information see the technical documentation, download from **www.ekinex.com**



KNX Dimmer 90-230V~50/60Hz

DIMMER

Description

KNX bus device with single-channel phase cut dimmer function for light loads, with supply voltage 90-230 Vac at 50/60 Hz. Use in KNX standard home and building automation systems.

Main features

- Operating temperature: -20 °C ... + 40 °C
- Storage temperature: 40 °C ... + 60 °C
- Transport temperature: 40 °C ... + 60 °C
- Max. rated casing temperature (tc): 80 °C
- Relative humidity: 91% non-condensing
- Degree of protection: IP00
- Power and load wiring: 1.5 mm2 (single cable) 2.5 mm2 (stranded cable), 16 to 13 AWG
- Max. torque 0.5 Nm for screw terminals
- KNX bus wiring: 0.26 to 0.5 mm2 - 23 to 20 AWG
- Peeling: 5.0 6.0 mm / Technopolymer casing
- Luminaire for flush-mounting or panel mounting (with supplied accessory)
- Weight: 37 g / Dimensions (LxHxW): 53 x 61 x 29 mm

Functions

- ON/OFF control and dimming of individual or grouped luminaires
- Fade time on and off, minimum and maximum brightness level, linear or logarithmic dimming curve settable from ETS
- Soft or instantaneous switching on and off, with settable delay
- Configuration of behaviour after power reset, bus ON/OFF, unloading via ETS
- Channels can be set by the ETS as independent, in parallel or with copy function from another channel
- Locking function, forced operation, staircase light, scenes, night, counter and logic functions for each channel, settable via ETS
- Alarm for short circuit, open load and power failure
- Auxiliary output function with status indication via KNX
- Manual operation with membrane pushbuttons and for local ON/OFF testing of channels 1-2-3-4 also in the absence of the KNX bus: short press of the button switches the load on/off, pressing for at least 2 seconds makes the load flash every 1 s approx.

Technical data

Inputs
- Supply voltage: 90 - 230 Vac 50/60 Hz
- Max. input current: 1 A

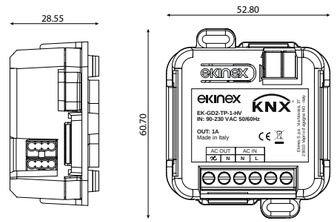
Outputs
- Supply voltage: 90 - 230 Vac 50/60 Hz
- Output power: 110 W @110 Vac, 220 W @220 Vac, 230 W @230 Vac
- Minimum load power: 1 W
- Max. output current: 1 A

Dimming
- Trailing edge dimming mode with open load control (OPEN CIRCUIT) and short circuit on load (SHORT CIRCUIT)
- Dimming range: 1-100%.

Notes

Loads that can be used with the dimmer can be: incandescent lamps, mains voltage halogen lamps, mains voltage dimmable LED lamps, mains voltage dimmable LED strips, switching power supplies for dimmable LEDs in phase cut. The dimmer cuts phase in trailing edge mode.

Dimensions [mm]



Order information

Code	Channels	Packaging
EK-GD2-TP-1-HV	1	1 pcs.

Configuration and commissioning

By means of ETS5 software or later versions
Application program **APEKGD2TP1HV##.knxprod**
(download from www.ekinex.com)

Documentation

For more information see the technical documentation,
download from **www.ekinex.com**



KNX dimmer 90-230V~50/60Hz 4 channels with common neutral

DIMMER

Description

KNX bus device with 4-channel phase cut dimmer function for light loads, with supply voltage 90-230 Vac at 50/60 Hz. For use in KNX-standard home and building automation systems. Suitable for simplifying the connection of loads.

Main features

- Operating temperature: 20 °C ... + 40 °C
- Storage temperature: 40 °C ... + 60 °C
- Transport temperature: 40 °C ... + 60 °C
- Max. nominal enclosure temperature (tc): 80 °C
- Relative humidity: 91% non-condensing
- Degree of protection: IP00 (IP20 in junction box or switchboard)
- Power supply and load wiring: 1.5 mm2 (single cable) 2.5 mm2 (stranded cable), 16 to 13 AWG
- KNX bus wiring: 0.26 to 0.5 mm2 - 23 to 20 AWG
- Stripping: 5.0 6.0 mm
- Plastic housing
- 4 UM panel-mounted luminaire
- Weight: 200 g
- Dimensions (LxHxW): 71 x 91 x 62 mm

Functions

- ON/OFF control and dimming of individual or grouped luminaires
- On and off fade time, minimum and maximum brightness level, linear or logarithmic dimming curve settable via ETS
- Soft or instantaneous switch-on and switch-off, with settable delay
- Configuration of behaviour after power reset, bus ON/OFF, unloading via ETS
- Channels can be set by ETS as independent, in parallel or with copy function from another channel
- Status indication of outputs via LEDs
- Blocking, forced operation, staircase light, scene, night, counter and logic functions for each channel, settable via ETS
- Auxiliary output function with status indication via KNXManual control with membrane pushbuttons and for local ON/OFF testing of channels 1234 also in the absence of the
- KNX bus: short press of the button activates/deactivates the load, pressing for at least 2 seconds causes the load to flash every 1 s

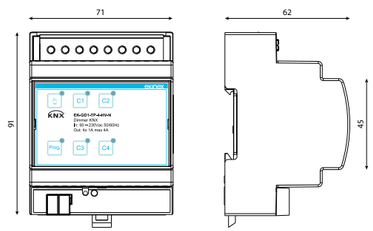
Technical data

- Tensione di alimentazione: 90-230 Vac 50/60 Hz
- Corrente max. in ingresso: 2 A

Outputs
- Supply voltage: 90-230 Vac 50/60 Hz
- Output power per channel: 110 W @110 Vac, 220 W @220 Vac, 230 W @230 Vac
- Minimum load power: 1 W per channel
- Maximum current per output: 1 A per channel (parallelisable)
- Maximum total current: 2 A
- Terminals: screw terminals (max. 4 mm2)

Dimming
- Dimming modes: Trailing Edge, Leading Edge (also selectable via ETS) and AI Edge (optimised for 230 Vac LED strips)
- Dimming range: 1-100%.

Dimensions [mm]



Order information

Code	Packaging
EK-GD1-TP-4-HV-N	1 pz.

Configuration and commissioning

By means of ETS5 software or later versions
Application program **APEKGD2TP1HV##.knxprod**
(download from www.ekinex.com)

Documentation

For more information see the technical documentation,
download from **www.ekinex.com**



KNX Dimmer 90-230V~50/60Hz 4-channels

DIMMER

Description

KNX bus device with 4-channel phase cut dimmer function for light loads, with supply voltage 90 230 Vac at 50/60 Hz. Use in KNX standard home and building automation systems.

Main features

- Operating temperature: 20 °C ... + 40 °C
- Storage temperature: 40 °C ... + 60 °C
- Transport temperature: 40 °C ... + 60 °C
- Max. rated casing temperature (tc): 80 °C
- Relative humidity: 91% non-condensing
- Degree of protection: IP00 (IP20 in junction box or switch cabinet)
- Power and load wiring: 1.5 mm2 (single cable) 2.5 mm2 (stranded cable), 16 to 13 AWG
- KNX bus wiring: 0.26 to 0.5 mm2 - 23 to 20 AWG
- Peeling: 5.0 6.0 mm
- Technopolymer casing
- 4 UM panel-mounted luminaire
- Weight: 200 g
- Dimensions (LxHxW): 71 x 91 x 62 mm

Functionality

- ON/OFF control and dimming of individual or grouped luminaires
- Fade time on and off, minimum and maximum brightness level, linear or logarithmic dimming curve settable via ETS
- Soft or instantaneous switching on and off, with settable delay
- Configuration of behaviour after power reset, bus ON/OFF, unloading via ETS
- Channels can be set by the ETS as independent, in parallel or with copy function from another channel
- Status indication of outputs via LEDs
- Locking function, forced operation, staircase light, scenes, night, counter and logic functions for each channel, settable via ETS
- Alarm for short circuit, open load and power failure
- Auxiliary output function with status indication via KNX
- Manual operation with membrane pushbuttons and for local ON/OFF testing of channels 1234 even in the absence of the KNX bus: short press of the button switches the load on/off, pressing for at least 2 seconds causes the load to flash every 1 s approx.

Technical data

Inputs

- Supply voltage: 90 230 Vac 50/60 Hz
- Max. input current: 4 A

Outputs

- Supply voltage: 90 230 Vac 50/60 Hz
- Output power per channel: 110 W @110 Vac, 220 W @220 Vac, 230 W @230 Vac
- Minimum load power: 1 W per channel
- Max. output current: 1 A per channel

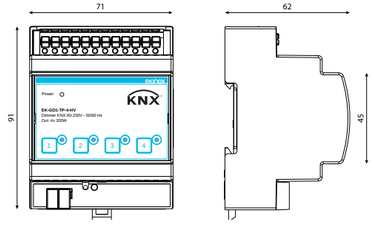
Dimming

- Trailing edge dimming mode with open load control (OPEN CIRCUIT) and short circuit on load (SHORT CIRCUIT)
- Dimming range: 1100%.

Note

Loads that can be used with the dimmer can be: incandescent lamps, mains voltage halogen lamps, mains voltage dimmable LED lamps, mains voltage dimmable LED strips, switching power supplies for dimmable LEDs in phase cut. The dimmer cuts phase in trailing edge mode.

Dimensions [mm]



Order information

Code	Package
EK-GD1-TP-4-HV	1 pcs.

Configuration and commissioning

By means of ETS5 software or later versions
Application program **APEKGD1TP4HV##.knxprod**
(download from www.ekinex.com)

Documentation

For more information see the technical documentation,
download from **www.ekinex.com**



4-fold 0-10 V actuator

DIMMERS

Description

The Ekinex® 4-fold 0-10 V actuator EK-GF1-TP can be used as 0-10 V control output device or, alternatively, for controlling dimmerable LED power supply units. When used for LED controlling, the selection of the colour can be made optionally in HSV or RGB mode. Scenarios, predefined sequences, sequence repetition and random functions are available; the dimming speed and the holding time are programmable. The device is fitted with membrane pushbuttons for manual command and LEDs for status indication; a pushbutton allows the switching between automatic or manual operation modes. The device integrates a KNX bus communication module and is realised for mounting on a standard 35 mm DIN-rail. The device is powered by the KNX bus.

Main features

- Technopolymer casing
- Frontal programming pushbutton and LED
- Membrane keyboard with LEDs for status indication of outputs
- Pushbutton for switching operating mode (normal / programming)
- CH pushbutton for individual or simultaneous channels control
- HSV / RGB pushbutton colour control mode
- Connection to bus line with KNX terminal block
- Connection of outputs with screw terminals
- Installation on 35 mm rail (according to EN 60715)
- 4 modular units (1 MU = 18 mm)
- IP20 protection degree (installed device)

Technical data

Power supply

- Voltage (control): 30 Vdc by KNX bus
- Rated output stage supply voltage: 100-230Vac, 50/60Hz max 5W

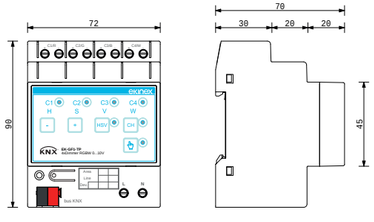
Outputs

- Number: 4
- Range: 0-10 V or 1-10V
- Max. current for each channel: 50 mA

Delivery

Delivery includes a terminal block for connection to the bus and a terminal block for connection to the auxiliary power supply.

Dimensions [mm]



Order information

Code	Package
EK-GF1-TP	1 pcs.

Configuration and commissioning

By means of ETS5 software or later versions
Application program **APEKGF1TP##.knxprod**
(download from www.ekinex.com)

Documentation

For more information see the technical documentation,
download from **www.ekinex.com**



Dimmer 90-230V~ 50/60Hz

DIMMERS

Description

The single-channel phase cut dimmer EK-GD2-1-HV allows the brightness control of LED and halogen sources with a voltage of 90-230 Vac 50/60Hz for up to 220W.

Main features

- Plastic housing
- Device for free installation in junction boxes or wall
- Mounting on 35 mm profile rail (by means of code holder included)
- IP10 degree of protection (device installed)

Functions

- Dimming up to complete switch-off (dim-to-dark)
- Minimum brightness level: 1%
- Optimised output curve

Connections

- Screw terminals for control, supply and loads

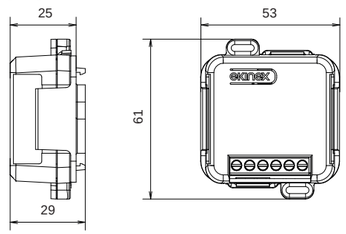
Technical data

- Single-channel dimmer with phase-cut output
- Supply range: 90-230 Vac 50/60Hz
- Maximum output power 230W
- Control inputs: non-isolated N.O. pushbutton
- Maximum resistive load 1A.
- Conductor diameter 12-30 AWG (0.05-2.5 mmq)
- Storage temperature Min: -40°C Max: 60°C

Note

For electronic loads and/or LEDs consider maximum power halved from nominal value.

Dimensions [mm]



Order information

Code	Channels	Packaging
EK-GD2-1-HV	1	1 pcs.

Documentation

For more information see the technical documentation, download from **www.ekinex.com**



DALI dimmer 12/48 Vdc 1/2 channels multifunction

DALI DIMMERS

Description

Ekinex multifunction 12–48 Vdc DALI dimmers are devices for regulating the brightness of low-voltage LED loads via high-frequency PWM control.
Available in 1-channel and 2-channel versions, they allow control of LED strips and dimmable 12/24/48 Vdc LED sources via DALI protocol (DALI-1 / DALI-2) and via local inputs (button, 0–10V, 1–10V, potentiometer).
The 2-channel version also supports DT8 Tunable White configurations for dynamic colour temperature management.

Available versions

- 1 channel - single monochromatic LED circuit control
- 2 channels - two independent circuits or Tunable White (DT8)

Main features

- High frequency PWM dimming (approx. 390–3000 Hz)
- Minimum adjustment level = 0.1%
- DALI-1 / DALI-2 protocol
- Tunable White management (2-channel version only)
- Configurable dimming curves (linear / logarithmic)
- Soft fade ON/OFF with adjustable times
- Last status memory in case of blackout

Operating modes

- DT6 (1 channel)
- DT6 / DT8 (2 channels)

Local control inputs

- N/O button
- 0–10V signal
- 1–10V signal
- Linear potentiometer

Integrated protections

- Polarity reversal
- Short circuit
- Overvoltage

Technical data

Power supply

- 12...48 Vdc
- Operating range: ~10.8...52.8 Vdc

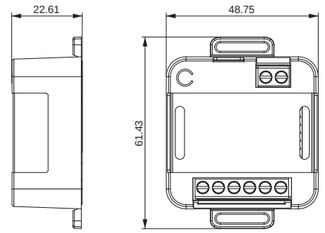
Outputs

- 1 or 2 PWM outputs
- Max. current: up to 12 A
- Approximate maximum power: 120 W @12 V, 288 W @24 V, 576 W @48 V

Connections

- Screw terminals for DALI bus, control, power supply and LED source

Dimensions [mm]



Order information

Code	Channels	Packaging
EK-GD2-DL-1-L-01	1	1 pcs.
EK-GD2-DL-2-L-01	2	

Documentation

For more information see the technical documentation, download from **www.ekinex.com**

EK-GD2-DL-1-L-01

EK-GD2-DL-2-L-01



DALI dimmer 12/48 Vdc 4 channels multifunction

DALI DIMMERS

Description

The EKGD1-DL-4-L-01 DALI 2 standard 4-channel dimmer is powered by 12/24/48 Vdc with flicker-free PWM dimming and allows control of brightness, dynamic white (TW) and RGBW colour (DT6 and DT8) for low-voltage LEDs. The inputs are DALI 2 bus type, compliant with the IEC 62386 standard. The operating mode settings are made via a local dip-switch selector.

Main features

- Dimmer with isolated PUSH inputs, active and passive 0-10/1-10 potentiometer, switch, sensor, phase cut, DALI2 DT6, DALI2 DT8, DMX512ARDM, BLE
- Master/slave functionality on DMX512A-RDM
- LEDs indicating the status of the output channels and dimmer configuration
- PWM frequency: 390Hz - 3000Hz - 10000Hz
- Protection against polarity reversal, short circuit, open circuit and voltage spikes
- Dip-switch selector for setting the operating mode

Technical data

Inputs

- Constant input voltage: 12 / 24 / 48 Vdc
- Supply voltage: 8 to 53 Vdc

Outputs

- Number of outputs: 4
- PWM voltage output 12/24/48 Vdc
- Load type: single colour, Tunable White, RGB, RGBW
- Output current: OA to 8A per channel
- Output current in single-channel mode from OA to 32A (1536W @48Vdc)
- Nominal power per output @12Vdc: 96 W
- Nominal power per output @24Vdc: 192 W
- Nominal power per output @48Vdc: 384 W

Command

- Control types: DALI2 DT6 DT8, 0-10V / 1-10V, PUSH, linear potentiometer, switch, sensor, phase cut, DMX512A-RDM, BLE

Connections

- Screw terminals for DALI bus, control, power supply and LED source

Dimensions [mm]

Order information

Code	Channels	Packaging
EK-GD1-DL-4-L-01	4	1 pcs.

Documentation

For more information see the technical documentation, download from **www.ekinex.com**



DALI Dimmer 90-230V~ 50/60Hz

DALI DIMMERS

Description

The single-channel phase cut dimmer EK-GD2-DL-1-HV allows the brightness control of LED and halogen sources with a voltage of 90-230 Vac 50/60Hz for up to 220Watts. Input Bus DALI-2 reference IEC 62386 standard.

Main features

- Plastic housing
- Device for free installation in junction boxes or wall
- Mounting on 35 mm profile rail (by means of code holder included)
- IP10 degree of protection (device installed)

Functions

- Dimming up to complete switch-off (dim-to-dark)
- Minimum brightness level: 1%
- Optimised output curve

Connections

- Screw terminals for DALI bus, control, power supply and LED source

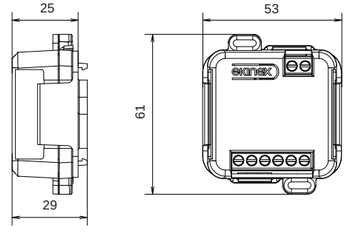
Technical data

- Single-channel dimmer with phase-cut output
- Supply range: 90-230 Vac 50/60Hz
- Maximum output power 230W
- Control inputs: DALI bus
- Maximum resistive load 1A.
- For electronic and/or LED loads the power is halved
- Conductor diameter 12-30 AWG (0.05-2.5 mmq)
- Storage temperature Min: -40°C Max: 60°C

Note

For electronic loads and/or electronic LEDs consider maximum power halved from nominal value.

Dimensions [mm]



Order information

Code	Channels	Packaging
EK-GD2-DL-1-HV	1	1 pcs.

Documentation

For more information see the technical documentation, download from **www.ekinex.com**



DALI Dimmer 90-230V~ 50/60Hz 4 channels

DALI DIMMERS

Description

The 4-channel DALI-2 dimmer allows brightness control of LED and halogen sources with voltage 90-230 Vac 50/60Hz for up to 200Watts on 4 channels each. Input Bus DALI-2 reference IEC 62386 standard.

Main features

- Plastic housing
- Device with 4 modular units
- Mounting on 35 mm profile rail (according to EN 60715)
- IP20 degree of protection (device installed)

Functions

- Memory function, fade time, minimum and maximum level settable via DALI software
- Dimming up to complete switch-off (dim-to-dark)
- Minimum brightness level: 0.1%
- Dimming curve: linear / logarithmic settable by DALI
- Electronic short-circuit and overload protection

Connections

Spring terminals for easy application

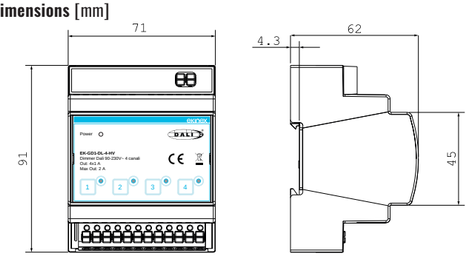
Technical data

- 4-channel dimmer with phase cut output
- Power supply range: 90-230 Vac 50/60Hz
- Maximum power output 200W per channel
- For electronic loads and/or electronic LEDs the power is halved
- Conductor diameter 12-30 AWG (0.05-2.5 mmq)
- Storage temperature Min: -40°C Max: 60°C

Note

For electronic loads and/or electronic LEDs consider maximum power halved from nominal value.

Dimensions [mm]



Order information

Code	Channels	Packaging
EK-GD1-DL-4-HV	4	1 pcs.

Documentation

For more information see the technical documentation, download from **www.ekinex.com**

Thermoregulation

DIN-RAIL MOUNT MODULES

	EK-AI6-TP-XXX **VRF control interface with KNX communication**	EK-HA1-TP **Fan-coil actuator / controller 3-speed fan control**	EK-HB1-TP **Fan-coil actuator / controller 0-10 V fan control**	EK-HC1-TP **Fan-coil actuator / controller full version**	EK-HE1-TP **8-fold actuator / controller for electrothermal valve drives**	EK-HH1-TP **Mixing actuator**
						
Power 30 Vdc from KNX bus	•	•	•	•	•	•
Auxiliary power supply 230 Vac 50/60 Hz	-	•	•	•	•	•
Analogue input (passive temperature sensors 10 kΩ NTC at 25°C)	-	•	•	•	-	•
Digital input (potential-free)	•	•	•	•	-	•
Output relays	-	•	•	•	-	•
Output triac relays	-	-	-	-	•	•
Output 0-10V (high impedence signal control)	-	-	•	•	-	•
Membrane keyboard for manual/automatic control with status indication LEDs	-	-	-	•	-	•
LCD-display	-	-	-	-	-	•
2-pipe hydraulic distribution systems applications	•	•	•	•	•	-
4-pipe hydraulic distribution systems applications	•	-	-	•	•	-
Actuator	-	•	•	•	•	-
Internal controller	-	•	•	•	•	•
Air flow terminal: ventilation	-	•	•	•	-	-
Air flow terminal: convector	-	•	•	•	-	-
Air flow terminal: fan-coil	-	•	•	•	-	-
VRF/VRV	•	-	-	-	-	-
Air flow terminal: fan-coil + 2° electrical stage	-	-	-	•	-	-
Underfloor and ceiling systems distribution	-	-	-	-	•	•
Underfloor and ceiling mixing valve systems	-	-	-	-	-	•
Mounting on standard 35 mm rail (EN 60715)	-	•	•	•	•	•



VRF control interface with KNX communication

THERMOREGULATION

Description

Ekinex solves the KNX integration of air conditioning with certified protocols.
Ekinex's VRF KNX control interface is a device that provides two-way communication with Inverter/VRF units through protocols developed and validated in collaboration with air conditioning manufacturers. Integration between the KNX building automation system and the VRV/VRF air conditioning unit is plug and play, no adapter or external power source is required, and bidirectional data exchange occurs with confirmed actions and statuses and error detection.

Main features

- Checking the different parameters of the unit
- Error detection during communication
- Signaling LEDs
- Connection to bus line via KNX terminal
- 3 configurable digital inputs
- Power supply via KNX bus

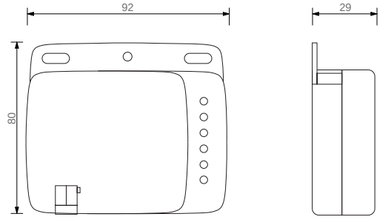
Connections

- KNX port with standard connector
- Terminal for connection to direct expansion indoor unit
- Terminal for additional digital inputs

Delivery

Delivery includes a terminal for connection to the KNX bus line, a terminal for connecting additional digital inputs, and a cable for connection to the Inverter/VRF indoor unit.

Dimensions [mm]



Order information

Code	Package
EK-AI6-TP-DAO (DAIKIN RESIDENTIAL)	1 pz.
EK-AI6-TP-DA1 (DAIKIN VRV)	1 pz.
EK-AI6-TP-MEL (MITSUBISHI ELECTRIC)	1 pz.
EK-AI6-TP-SA2 (SAMSUNG NASA)	1 pz.
EK-AI6-TP-PAO (PANASONIC RESIDENTIAL)	1 pz.
EK-AI6-TP-PAN (PANASONIC PACI-ECOI)	1 pz.
EK-AI6-TP-TOS (TOSHIBA)	1 pz.
EK-AI6-TP-LGE (LG)	1 pz.

Configuration and commissioning

By means of ETS5 software or later versions
Application program **APEKHA1TP##.knxprod**
(download from www.ekinex.com)

Documentation

For more information see the technical documentation,
download from **www.ekinex.com**



Fancoil actuator / controller 3-speed fan control

THERMOREGULATION

Description

The Ekinex® EK-HA1-TP fancoil actuator / controller allows to control a fan coil unit for the air conditioning of a room. The device can perform the function of simple actuator in combination with a KNX room thermostat or that of actuator / controller with acquisition of the temperature value by a KNX room sensor or a probe connected to an analogue input. The device is suitable for 2-pipe hydraulic distribution systems with ON / OFF control of one electrothermal shut-off valve actuator and a 3-speed fan. The outputs not used to control the fan coil unit can be configured as binary output channels for different functions. The device is equipped with 2 inputs freely configurable as analogue or digital. The device integrates a KNX bus communication module and is realized for mounting on a standard 35 mm DIN-rail. The device is supplied by the KNX bus and requires an additional 230 Vac power supply to operate.

Main features

- Technopolymer casing
- Frontal programming pushbutton and LED
- Connection to bus line with KNX terminal block
- Connection of inputs, outputs and 230 Vac power supply with screw terminals
- Classification climatic 3K5 and mechanical 3M2 (according to EN 50491-2)
- Overvoltage class III (according to EN 60664-1)
- Pollution degree 2 (according to IEC 60664-1)
- 35 mm rail mounting (according to EN 60715)
- 4 modular units (1 MU = 18 mm)
- IP20 protection degree (installed device)
- Weight 175 g

Technical data

Power supply

- Voltage (loads) 230 Vac 50/60 Hz
- Voltage (electronics) 30 Vdc by KNX bus

Inputs

- 2 freely configurable for passive temperature sensors (10 kΩ NTC at 25°C) or as potential-free binary inputs

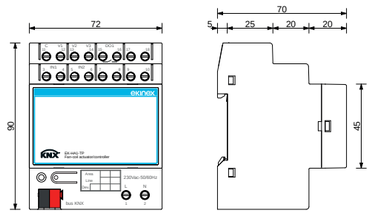
Outputs

- 3 interlocked relay outputs to control a 3-speed fan (or configurable as binary outputs for different applications)
- 1 relay SPST (single pole, single throw) to control an ON / OFF valve (in 2-pipe hydraulic distribution systems)

Delivery

Delivery includes a terminal block for connection to the bus.

Dimensions [mm]



Order information

Code	Package
EK-HA1-TP	1 pcs.

Configuration and commissioning

By means of ETS5 software or later versions
Application program **APEKHA1TP##.knxprod**
(download from www.ekinex.com)

Documentation

For more information see the technical documentation,
download from **www.ekinex.com**



Fancoil actuator / controller 0-10 V fan control

THERMOREGULATION

Description

The Ekinex® EK-HB1-TP fancoil actuator / controller allows to control a fan coil unit for the air conditioning of a room. The device can perform the function of simple actuator in combination with a KNX room thermostat or that of actuator / controller with acquisition of the temperature value by a KNX room sensor or a probe connected to an analogue input. The device is suitable for 2-pipe hydraulic distribution systems with ON / OFF control of one electrothermal shut-off valve actuator and a fan with brushless motor. The outputs not used to control the fan coil unit can be configured as binary output channels for different functions. The device is equipped with 2 inputs freely configurable as analogue or digital. The device integrates a KNX bus communication module and is realized for mounting on a standard 35 mm DIN-rail. The device is supplied by the KNX bus and requires an additional 230 Vac power supply to operate.

Main features

- Technopolymer casing
- Frontal programming pushbutton and LED
- Connection to bus line with KNX terminal block
- Connection of inputs, outputs and 230 Vac power supply with screw terminals
- Classification climatic 3K5 and mechanical 3M2 (according to EN 50491-2)
- Overvoltage class III (according to EN 60664-1)
- Pollution degree 2 (according to IEC 60664-1)
- 35 mm rail mounting (according to EN 60715)
- 4 modular units (1 MU = 18 mm)
- IP20 protection degree (installed device)
- Weight 175 g

Technical data

Power supply

- Voltage (loads) 230 Vac 50/60 Hz
- Voltage (electronics) 30 Vdc by KNX bus

Inputs

- 2 freely configurable for passive temperature sensors (10 kΩ NTC at 25°C) or as potential-free binary inputs

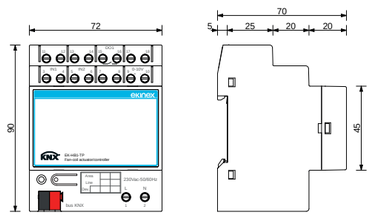
Outputs

- 1 to control a brushless motor driven fan with 0-10 V signal
- 1 relay SPST (single pole, single throw) to control an ON / OFF valve (in 2-pipe hydraulic distribution systems)

Delivery

Delivery includes a terminal block for connection to the bus.

Dimensions [mm]



Order information

Code	Package
EK-HB1-TP	1 pcs.

Configuration and commissioning

By means of ETS5 software or later versions
Application program **APEKHB1TP##.knxprod**
(download from www.ekinex.com)

Documentation

For more information see the technical documentation, download from **www.ekinex.com**



Fancoil actuator / controller full version

THERMOREGULATION

Description

The Ekinex® EK-HC1-TP fancoil actuator / controller allows to control a fan coil unit for the air conditioning of a room. The device can perform the function of simple actuator in combination with a KNX room thermostat or that of actuator / controller with acquisition of the temperature value by a KNX room sensor or a probe connected to an analogue input. The device is suitable for 2 or 4-pipe hydraulic distribution systems with ON / OFF control of one or two electrothermal shut-off valve actuators and a 3-speed fan or a brushless motor driven fan. The outputs not used to control the fan coil unit can be configured as binary output channels for different functions. The device is equipped with 3 inputs freely configurable as analogue or digital. The device is fitted with membrane pushbuttons for manual command and LED's for status indication; a pushbutton allows to switch between automatic and manual operation modes. The device integrates a KNX bus communication module and is realized for mounting on a standard 35 mm DIN-rail. The device is supplied by the KNX bus and requires an additional 230 Vac power supply to operate.

Main features

- Technopolymer casing
- Frontal programming pushbutton and LED
- Membrane keyboard with LED's for status indication
- Pushbutton for switching operating mode (normal / programming)
- Connection to bus line with KNX terminal block
- Connection of inputs, outputs and 230 Vac power supply with screw terminals
- Classification climatic 3K5 and mechanical 3M2 (according to EN 50491-2)
- Overvoltage class III (according to EN 60664-1)
- Pollution degree 2 (according to IEC 60664-1)
- 35 mm rail mounting (according to EN 60715)
- 4 modular units (1 MU = 18 mm)
- IP20 protection degree (installed device)
- Weight 205 g

Technical data

Power supply

- Voltage (loads) 230 Vac 50/60 Hz
- Voltage (electronics) 30 Vdc by KNX bus

Inputs

- 3 freely configurable for passive temperature sensors (10 kΩ NTC at 25°C) or as potential-free binary inputs

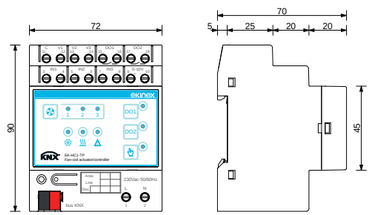
Outputs

- 1 to control a brushless motor driven fan with 0-10 V signal
- 3 interlocked relay outputs to control a 3-speed fan (or configurable as binary outputs for different applications)
- 2 relay SPST (single pole, single throw) to control two ON / OFF valves (in 2 or 4-pipe hydraulic distribution systems)

Delivery

Delivery includes a terminal block for connection to the bus.

Dimensions [mm]



Order information

Code	Package
EK-HC1-TP	1 pcs.

Configuration and commissioning

By means of ETS5 software or later versions
Application program **APEKHC1TP##.knxprod**
(download from www.ekinex.com)

Documentation

For more information see the technical documentation, download from **www.ekinex.com**



8-fold actuator / controller for electrothermal valve drives

THERMOREGULATION

Description

The Ekinex® EK-HE1-TP actuator / controller allows to control electrothermal actuators or servomotors in hydronic systems for room heating and / or cooling. The device can perform the function of simple actuator in combination with one or more KNX room thermostats or that of actuator / controller with acquisition of the temperature value by one or more KNX sensors. The device is suitable for 2 or 4-pipe hydraulic distribution systems with ON / OFF control of electrothermal shut-off valve actuators. The device is fitted with membrane pushbuttons for manual command and LED's for status indication; a pushbutton allows to switch between automatic and manual operation modes. The device integrates a KNX bus communication module and is realized for mounting on a standard 35 mm DIN-rail. The device is supplied by the KNX bus and requires an additional 230 Vac power supply to operate.

Main features

- Technopolymer casing
- Frontal programming pushbutton and LED
- Membrane keyboard with LED's for status indication
- Pushbutton for switching operating mode (normal / programming)
- Connection to bus line with KNX terminal block
- Connection of outputs and 230 Vac power supply with screw terminals
- Classification climatic 3K5 and mechanical 3M2 (according to EN 50491-2)
- Overvoltage class III (according to EN 60664-1)
- Pollution degree 2 (according to IEC 60664-1)
- 35 mm rail mounting (according to EN 60715)
- 4 modular units (1 MU = 18 mm)
- IP20 protection degree (installed device)
- Weight 160 g

Technical data

Power supply

- Voltage (loads) 230 Vac 50/60 Hz
- Voltage (electronics) 30 Vdc by KNX bus

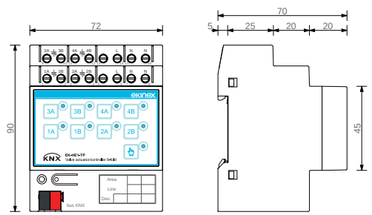
Outputs

- 8 TRIAC relays to control ON / OFF zone valve drives

Delivery

Delivery includes a terminal block for connection to the bus.

Dimensions [mm]



Order information

Code	Package
EK-HE1-TP	1 pcs.

Configuration and commissioning

By means of ETS5 software or later versions
Application program **APEKHE1TP##.knxprod**
(download from www.ekinex.com)

Documentation

For more information see the technical documentation,
download from **www.ekinex.com**



Mixing actuator

THERMOREGULATION

Description

The Ekinex® EK-HH1-TP mixing actuator allows the control of 3 floating points or 0-10 V servo-motor for mixing valves. The flow temperature of the conveying fluid can be set at a fixed point, with external climatic compensation and with external climatic compensation plus internal conditions recalibration. The regulation modes are selectable separately for heating and cooling. The device is particularly suitable for underfloor or ceiling heating and cooling radiant panels applications in combination with Ekinex® room thermostats with integrated temperature and humidity sensor. A 0-10 V output allows the remote setting of a heat pump temperature setpoint value. The start-up function enables a radiant floors drying concrete phase according to EN 1264 standard. The membrane keyboard allows the manual command and includes LED's for status indication: the LCD-display allows displaying / setting of the main working parameters. The device integrates a KNX bus communication module and is realized for mounting on a standard 35 mm DIN-rail. The device is supplied by the KNX bus and requires an additional 230 Vac power supply to operate.

Main features

- Technopolymer casing
- Frontal programming pushbutton and LED
- Membrane keyboard with LED's for status indication
- Pushbutton for switching operating mode (normal / programming)
- Connection to bus line with KNX terminal block
- Connection of inputs, outputs and 230 Vac power supply with screw terminals
- Classification climatic 3K5 and mechanical 3M2 (according to EN 50491-2)
- Overvoltage class III (according to EN 60664-1)
- Pollution degree 2 (according to IEC 60664-1)
- 35 mm rail mounting (according to EN 60715)
- 8 modular units (1 MU = 18 mm)
- IP20 protection degree (installed device)
- Weight 380 g

Technical data

Power supply

- Voltage (loads) 230 Vac 50/60 Hz
- Voltage (electronics) 30 Vdc by KNX bus

Inputs

- 3 analogical exclusively for connection of NTC temperature sensors 10 kΩ at 25°C
- 2 configurable as analogical (exclusively for NTC temperature sensors 10 kΩ at 25°C) or digital (potential free)

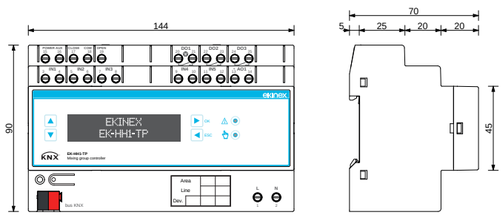
Outputs

- 1 for control of a 3 point floating servomotor, 1 A, 250 Vac
- 1 for control of a servomotor with 0-10 V signal connection of high impedance input
- 3 for additional functions, relays 10(5) A, 250 Vac

Delivery

Delivery includes a terminal block for connection to the bus.

Dimensions [mm]



Order information

Code	Package
EK-HH1-TP	1 pcs.

Configuration and commissioning

By means of ETS5 software or later versions
Application program **APEKHH1TP##.knxprod**
(download from www.ekinex.com)

Documentation

For more information see the technical documentation,
download from **www.ekinex.com**



NTC 10 kΩ temperature sensors

TEMPERATURE CONTROL

Description

Temperature sensors with NTC (Negative Temperature Coefficient, 10 kΩ ±1% a 25 °C, ß = 3435) sensitive element for temperature measurement, to be used in combination with Ekinex® KNX devices equipped with an analogue input (or configurable as [AI]) for temperature measurement.

Characteristics and Technical data

Outdoor version (EK-STE-10K-3435)

- Sensitive element with high IP protection degree casing
- Cable gland (connecting cable not included in delivery)
- Working conditions:
  - operating temperature: -40°C...+100°C
  - relative humidity: 0...100%

Immersion version (EK-STI-10K-3435)

- Sensitive element with INOX cylinder casing
- Two-wire connecting cable (length 1,5 m)
- Operating temperature: -40°C...+105°C

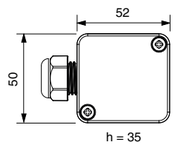
Contact version (EK-STC-10K-3435)

- Brass toecap
- Two-wire connecting cable (length 1,5 m)
- Operating temperature: -40°C...+100°C

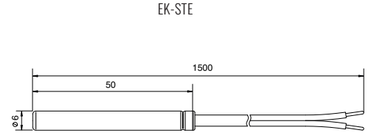
Air mass version (EK-STL-10K-3435)

- Sensor printed directly on the connecting cable
- Two-wire connecting cable (length 1,5 m)
- Operating temperature: -50°C...+105°C

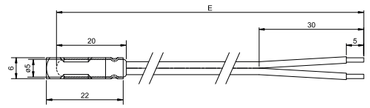
Dimensions [mm]



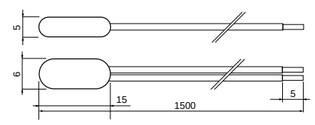
EK-STE



EK-STI



EK-STC



EK-STL

Order information

Code	Version	Package
EK-STE-10K-3435	outdoor	1 pcs.
EK-STI-10K-3435	immersion	
EK-STC-10K-3435	contact	
EK-STL-10K-3435	air mass	

Configuration and commissioning

The configuration is necessary for the Ekinex® KNX device connected to the temperature sensor.

Documentation

For more information see the technical documentation, download from **www.ekinex.com**

EK-STE EK-STI EK-STC EK-STL

Gateway

DIN-RAIL MOUNT MODULES

	EK-BH1-TP-485 Gateway Modbus RS485-KNX	EK-BH1-TP-TCP Gateway Modbus TCP/IP-KNX	EK-BJ1-TP-IP Gateway BACnet IP-KNX	EK-BJ1-TP-MSTP Gateway BACnet MS/TP-KNX	EK-BK1-TP Gateway DMX-KNX	EK-BM1-TP-xx Gateway M-Bus-KNX	EK-BN1-TP Gateway PROFINET-KNX	EK-BG1-TP Gateway DALI-KNX	EK-BF1-TP-D1 Gateway DALI-KNX 1 channel	EK-BF1-TP-D2 Gateway DALI-KNX 2 channels
										
Auxiliary power supply	•	•	•	•	•	•	•	•	-	-
Electrically insulated RS485 serial communication port	•	-	-	•	•	-	-	-	-	-
1-way DIP switch to activate the line terminator (120 Ohm)	•	-	-	-	•	-	-	-	-	-
Modbus master RTU (Remote Terminal Unit) communication	•	•	-	-	-	-	-	-	-	-
BACnet slave communication	-	-	•	-	-	-	-	-	-	-
BACnet communication	-	-	-	-	-	-	-	-	-	-
PROFINET slave communication	-	-	-	-	-	-	•	-	-	-
BACnet records exchange	-	-	•	-	-	-	-	-	-	-
PROFINET records exchange	-	-	-	-	-	-	•	-	-	-
DMX master communication	-	-	-	-	•	-	-	-	-	-
250 kbaud communication speed	-	-	-	-	•	-	-	-	-	-
From 1200 to 115200 baud communication speed	•	-	-	•	-	-	-	-	-	-
from 3000 to 38400 baud communication speed	-	-	-	-	-	•	-	-	-	-
Ethernet (IEEE 802.3) communication port, RJ45 connector	-	•	•	-	-	-	•	•	-	-
M-Bus communication port	-	-	-	-	-	•	-	-	-	-
Device addressing from 1 to 250	-	-	-	-	-	•	-	-	-	-
Device addressing from 0 to 250	•	•	-	-	-	-	-	-	-	-
Device addressing from 0 to 512	-	-	-	-	•	-	-	-	-	-
Register exchange of Coil, Input, and Input Register Holding Register type	•	•	-	-	-	-	-	-	-	-
Reading and writing of single and multiple registers	•	•	-	-	-	-	-	-	-	-
1 byte register writing on a maximum of 512 DMX devices	-	-	-	-	•	-	-	-	-	-
Volatile support memory with “image Modbus” of 1440 byte	•	•	-	-	-	-	-	-	-	-
Volatile support memory with“image BACnet” of 1440 byte	-	-	•	•	-	-	-	-	-	-
Volatile support memory with “image M-Bus” of 1440 byte	-	-	-	-	-	•	-	-	-	-
Volatile support memory with “image PROFINET ” of 1440 byte	-	-	-	-	-	-	•	-	-	-
KNX TP (twisted pair) 9600 baud communication port	•	•	•	•	•	•	•	•	-	-
Volatile support memory with “image KNX” of 1440 byte	•	•	•	•	•	•	•	•	-	-
Additional plug-in program	•	•	•	•	•	•	•	•	•	•
Mounting on standard 35 mm rail (EN 60715)	•	•	•	•	•	•	•	•	•	•
DALI communication protocol	-	-	-	-	-	-	-	•	•	•
Ballast addressing to 64 devices	-	-	-	-	-	-	-	•	•	-
Ballast addressing to 128 devices	-	-	-	-	-	-	-	•	-	•



Gateway Modbus RS485 - KNX

GATEWAYS

Description
The Ekinex® Modbus RS485 - KNX Gateway performs a protocol conversion between a serial RS485 Modbus RTU and a KNX TP network. The device works as Modbus master. The device integrates a KNX bus communication module and it is suitable for mounting on a 35 mm DIN rail; it requires an auxiliary power supply.

Main features
- Technopolymer casing
- Connection to bus line with KNX terminal block
- Installation on 35 mm rail (according to EN 60715)
- 4 modular units (1 MU = 18 mm)
- IP20 protection degree (installed device)
- Weight 145 g

Technical data
- Power supply: 8...24 Vac or 12...35 Vdc
- Absorption at 24 Vdc: 3,5 VA

Communication

KNX side
- KNX TP (Twisted Pair) communication port electrically isolated from power supply
- 1440-byte volatile support “KNX image” memory buffer

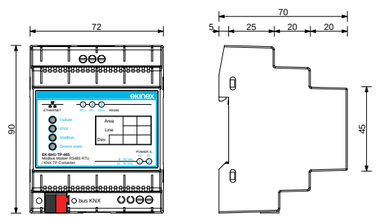
Modbus RS485 side
- RS485 serial communication port, electrically isolated from power supply, 120 ohm termination resistance pluggable by a 1-way micro-switch
- Modbus master RTU (Remote Terminal Unit) communication
- Selectable baud rate from 1200 to 115200 baud
- Device addressing from 0 to 250
- Coil, Input, Holding Register e Input Register data exchange
- Single and multiple register reading/writing
- 1440-byte volatile support “Modbus image” memory buffer

Configuration
- Ethernet communication port (IEEE 802.3), RJ45 connector, minimum cable category: 5E

Delivery
The delivery includes the device and terminal blocks to connect to the KNX bus.

Other information
Modbus® is an open source, standard communication protocol suitable for master / slave data exchange between smart devices in various applications, such as industrial production, infrastructure, transportation and energy management.

Dimensions [mm]



Configuration and commissioning
By means of software tool **CGEKBH1TP485.exe** (download from www.ekinex.com)

Order information

Code	Application	Package
EK-BH1-TP-485	protocol conversion KNX - Modbus RTU	1 pcs.

Documentation
For more information see the technical documentation, download from **www.ekinex.com**



Gateway Modbus TCP/IP - KNX

GATEWAYS

Description
The Ekinex® Modbus TCP/IP - KNX Gateway performs a protocol conversion between a Modbus RTU over TCP / IP and a KNX TP network. The device works as Modbus master. The device integrates a KNX bus communication module and it is suitable for mounting on a 35 mm DIN rail; it requires an auxiliary power supply.

Main features
- Technopolymer casing
- Connection to bus line with KNX terminal block
- Installation on 35 mm rail (according to EN 60715)
- 4 modular units (1 MU = 18 mm)
- IP20 protection degree (installed device)
- Weight 145 g

Technical data
- Power supply: 8...24 Vac or 12...35 Vdc
- Absorption at 24 Vdc: 3,5 VA

Communication

KNX side
- KNX TP (Twisted Pair) communication port electrically isolated from power supply
- 1440-byte volatile support “KNX image” memory buffer

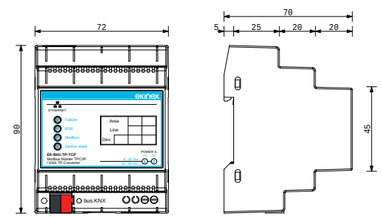
Modbus TCP/IP side
- Ethernet communication port (IEEE 802.3), RJ45 connector, minimum cable category: 5E.Communication Modbus master RTU (Remote Terminal Unit)
- Device addressing from 0 to 250
- Coil, Input, Holding Register e Input Register data exchange
- Single and multiple register reading/writing
- 1440-byte volatile support “Modbus image” memory buffer

Configuration
- Ethernet communication port (IEEE 802.3), RJ45 connector, minimum cable category: 5E.

Delivery
The delivery includes the device and terminal blocks to connect to the KNX bus.

Other information
Modbus® is an open source, standard communication protocol suitable for master/ slave data exchange between smart devices in various applications, such as industrial production, infrastructure, transportation and energy management.

Dimensions [mm]



Configuration and commissioning
By means of software tool **CGEKBH1TPTCP.exe** (download from www.ekinex.com)

Order information

Code	Application	Package
EK-BH1-TP-TCP	protocol conversion KNX - Modbus RTU	1 pcs.

Documentation
For more information see the technical documentation, download from **www.ekinex.com**



Gateway BACnet - KNX

GATEWAYS

Description
The Ekinex® BACnet - KNX Gateway performs a protocol conversion between a BACnet and a KNX TP network. Two versions are available: BACnet MS/TP (master-slave / token-passed) over serial RS485 network and BACnet IP over Ethernet. The device integrates a KNX bus communication module and it is suitable for mounting on a 35 mm DIN rail; it requires an auxiliary power supply.

Main features
- Technopolymer casing
- Connection to bus line with KNX terminal block
- Installation on 35 mm rail (according to EN 60715)
- 4 modular units (1 MU = 18 mm)
- IP20 protection degree (installed device)
- Weight 145 g

Technical data
- Power supply: 8...24 Vac or 12...35 Vdc
- Absorption at 24 Vdc: 3,5 VA

Communication

KNX side
- KNX TP (Twisted Pair) communication port electrically isolated from power supply
- 1440-byte volatile support “KNX image” memory buffer

BACnet (MS/TP version) side
- RS485 serial communication port, electrically isolated from power supply, 120 ohm termination resistance pluggable by a 1-way micro-switch
- BACnet communication
- Selectable baud rate from 1200 to 115200 baud
- BACnet objects exchange
- 1440-byte volatile support “BACNet image” memory buffer

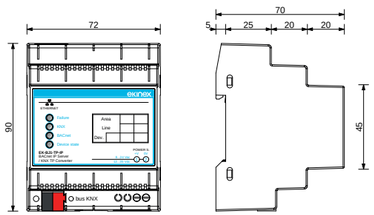
BACnet side (IP version)
- Ethernet communication port (IEEE 802.3), RJ45 connector, minimum cable category: 5E.Communication BACnet slave
- BACnet objects exchange
- 1440-byte volatile support “BACNet image” memory buffer

Configuration
- Ethernet communication port (IEEE 802.3), RJ45 connector, minimum cable category: 5E.

Delivery
The delivery includes the device and terminal blocks to connect to the KNX bus.

Other information
BACnet® is an ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers) trademark.

Dimensions [mm]



Configuration and commissioning
By means of software tool **CGEKBJ1TP.exe** (download from www.ekinex.com)

Order information

Code	Version	Application	Package
EK-BJ1-TP-IP	IP over Ethernet	protocol conversion KNX - BACnet	1 pcs.
EK-BJ1-TP-MSTP	MS / TP over RS485		1 pcs.

Documentation
For more information see the technical documentation, download from **www.ekinex.com**

MS/TP IP



Gateway DMX - KNX

GATEWAYS

Description
The Ekinex® DMX - KNX Gateway performs a protocol conversion between a serial RS485 DMX and a KNX TP network. The device works as DMX master. The device integrates a KNX bus communication module and it is suitable for mounting on a 35 mm DIN rail; it requires an auxiliary power supply.

Main features
- Technopolymer casing
- Connection to bus line with KNX terminal block
- Installation on 35 mm rail (according to EN 60715)
- 4 modular units (1 MU = 18 mm)
- IP20 protection degree (installed device)
- Weight 145 g

Technical data
- Power supply: 8...24 Vac or 12...35 Vdc
- Absorption at 24 Vdc: 3,5 VA

Communication

KNX side
- KNX TP (Twisted Pair) communication port electrically isolated from power supply
- 1440-byte volatile support “KNX image” memory buffer

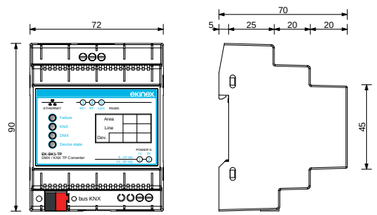
DMX side
- RS485 serial communication port, electrically isolated from power supply, 120 ohm termination resistance pluggable by a 1-way micro-switch
- DMX master communication
- Baud rate 250 kbaud
- Device addressing from 0 to 512
- 1-byte register writing on max 512 DMX devices

Configuration
- Ethernet communication port (IEEE 802.3), RJ45 connector, minimum cable category: 5E

Delivery
The delivery includes the device and terminal blocks to connect to the KNX bus.

Other information
DMX512 is a standard for asynchronous serial transmission of digital data between controllers, devices and accessories for the light industry, approved by ANSI (American National Standards Institute) and supported by ESTA (Entertainment Services and Technology Association).

Dimensions [mm]



Configuration and commissioning
By means of software tool **CGEKBK1TP.exe** (download from www.ekinex.com)

Order information

Code	Application	Package
EK-BK1-TP	protocol conversion KNX - DMX512	1 pcs.

Documentation
For more information see the technical documentation, download from **www.ekinex.com**



Gateway M-Bus - KNX

GATEWAYS

Description
The Ekinex® M-Bus - KNX Gateway performs a protocol conversion between an M-Bus and a KNX TP network. The device acts as M-Bus master. Versions for networks with a maximum number of 20, 40, 80 and 160 connected M-Bus slave devices are available. The device integrates a KNX bus communication module and it is suitable for mounting on a 35 mm DIN rail; it requires an auxiliary power supply.

Main features
- Technopolymer casing
- Connection to bus line with KNX terminal block
- Installation on 35 mm rail (according to EN 60715)
- 4 modular units (1 MU = 18 mm)
- IP20 protection degree (installed device)
- Weight 145 g

Technical data
- Power supply: from M-Bus network
- Absorption at 24 Vdc: 3,5 VA (without load);
  4, 5, 8 or 14 VA (resp. with 20, 40, 80 or 160 M-Bus devices)

Communication

KNX side
- KNX TP (Twisted Pair) communication port electrically isolated from power supply
- Baud rate 9600 baud
- 1440-byte volatile support “KNX image” memory buffer

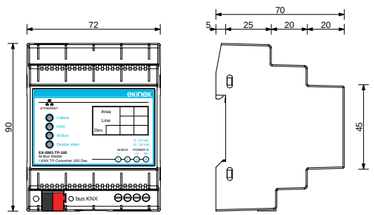
M-Bus side
- M-Bus communication port (wired version, two-pole cable)
- Selectable baud rate from 300 to 9600 baud
- Device addressing from 1 to 250
- Variable reading through M-Bus slave device mapping
- 1440-byte volatile support “M-Bus image” memory buffer

Configuration
- Ethernet communication port (IEEE 802.3), RJ45 connector, minimum cable category: 5E

Delivery
The delivery includes the device and terminal blocks to connect to the KNX bus.

Other information
M-Bus (Meter-Bus) is a standard protocol for remote reading of data acquired from thermal energy, electricity, gas and water meters. M-Bus is fully compliant with EN 13757: Communication Systems for remote meter reading, parts 2 (Physical and connection layer) and 3 (Application layer).

Dimensions [mm]



Order information

Code	Version	Package
EK-BM1-TP-20	max 20 slave devices	1 pcs.
EK-BM1-TP-40	max 40 slave devices	1 pcs.
EK-BM1-TP-80	max 80 slave devices	1 pcs.
EK-BM1-TP-160	max 160 slave devices	1 pcs.

Configuration and commissioning
By means of software tool **CGEKBM1TP.exe** (download from www.ekinex.com)

Documentation
For more information see the technical documentation, download from **www.ekinex.com**



Gateway PROFINET - KNX

GATEWAYS

Description
The Ekinex® PROFINET - KNX Gateway performs a protocol conversion between a PROFINET and a KNX TP network. The device acts as slave of PROFINET communication. The device integrates a KNX bus communication module and it is suitable for mounting on a 35 mm DIN rail; it requires an auxiliary power supply.

Main features
- Technopolymer casing
- Connection to bus line with KNX terminal block
- Installation on 35 mm rail (according to EN 60715)
- 4 modular units (1 MU = 18 mm)
- IP20 protection degree (installed device)
- Weight 145 g

Technical data
- Power supply: 8...24 Vac or 12...35 Vdc
- Absorption at 24 Vdc: 3,5 VA

Communication

KNX side
- KNX TP (Twisted Pair) communication port electrically isolated from power supply
- 1440-byte volatile support “KNX image” memory buffer

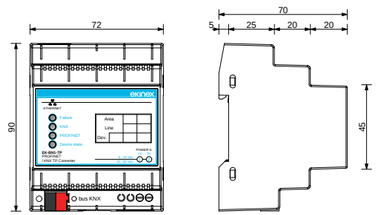
PROFINET side
- Ethernet communication port (IEEE 802.3), RJ45 connector, minimum cable category: 5E.Communication PROFINET slave
- PROFINET data exchange
- 1440-byte volatile support “PROFINET image” memory buffer

Configuration
- Ethernet communication port (IEEE 802.3), RJ45 connector, minimum cable category: 5E.

Delivery
The delivery includes the device and terminal blocks to connect to the KNX bus.

Other information
PROFINET (Process Field Net) is an open source, Ethernet based (IEEE 802.xx) standard communication protocol, suitable for data exchange between field devices in industrial and process automation applications. The standard is supported by PROFIBUS & PROFINET International (PI) association.

Dimensions [mm]



Order information

Code	Application	Package
EK-BN1-TP	protocol conversion KNX - PROFINET	1 pcs.

Configuration and commissioning
By means of software tool **CGEKBN1TP.exe** (download from www.ekinex.com)

Documentation
For more information see the technical documentation, download from **www.ekinex.com**



Gateway RS485 to Ethernet POE

GATEWAY

Description

Bidirectional gateway for integrating serial Modbus and IP networks. The Ekinex EK-BU1-485-TCP interface is a modular device designed to enable bidirectional communication between equipment equipped with a Modbus RS-485 port and the IP data network. Thanks to its versatility, the gateway allows serial Modbus devices to be easily integrated into Ethernet network infrastructures, ensuring a reliable and stable connection.

The device features:

- an RS-485 serial port for connecting Modbus devices
- an RJ45 connector for interfacing with the IP data network

The interface is designed for mounting on a 35 mm DIN rail, suitable for electrical panels or distribution cabinets. Power can be supplied in two ways: via PoE (Power over Ethernet) directly from the LAN cable, or via an auxiliary DC power supply (6–36 VDC).

Operation

The EK-BU1-485-TCP gateway enables bidirectional conversion of the Modbus protocol between an RS-485 serial line and an Ethernet/IP network. Designed as a universal device, it can operate in conjunction with any equipment that acts as a Modbus master, ensuring maximum flexibility of integration into automation and supervision systems. In the Delègo environment, the gateway allows the number of RS-485 serial lines managed by the system to be expanded. The Delègo Server has a native RS-485 port for direct connection of Modbus devices; if communication with devices on multiple serial lines is required, one or more EK-BU1-485-TCP gateways can be used, thus expanding the system's capabilities in a simple and scalable manner.

Technical data

Power supply

- 6-36V DC or PoE port
- Isolation between power supply and signal

Environmental conditions

- Operating temperature: -40□ to +85□
- Storage temperature: -40□ to +85□
- Relative humidity: <95% non-condensing

Communication interfaces

- 1 x Isolated RS-485
- 1 x RJ45 PoE port, supports IEEE 802.3af standard

RS-485 parameters

- Baud Rate: 1200 ~ 115200 bps
- Parity Bit: None, odd parity, even parity, mark, space
- Data Bit: 5 ~ 9 bits - Flow Control: No flow control

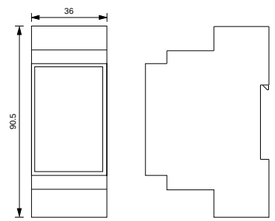
Software

- Configuration: Web browser
- Protocols: Ethernet, IP, TCP, UDP, HTTP, ARP, ICMP, DHCP, DNS

Main features

- Technopolymer casing
- Designed for mounting on a 35 mm profile rail (according to EN 60715)
- IP20 protection rating (according to EN 60529)
- Safety class II
- Modular device 2 UM (1 UM = 18 mm)
- Dimensions 36 x 87 x 59 mm (W x H x D) - Weight 50 g

Dimensions [mm]



Order information

Code	Application	Package
EK-BU1-485-TCP	Gateway bidirezionale per l'integrazione di reti Modbus seriali e IP	1 pz.

Configuration and commissioning

The configuration and commissioning of the EK-BU1-485-TCP gateway must be carried out by accessing the web server integrated in the device. These activities must be carried out in accordance with the system design and performed by a professional. For further information, please refer to the technical documentation.

Documentation

For more information see the technical documentation, download from **www.ekinex.com**



Gateway KNX / DALI 1 channel

GATEWAY

Description

Ekinex® Gateways EK-BF1-TP-D1 is a device used to control electronic control gear (ECG) with a DALI interface (according to EN 62386) via the KNX installation bus. The device converts switching and dimming commands from the connected KNX system into DALI telegrams and status information from the DALI bus into KNX telegrams.

Connections

- KNX port with standard connector
- Screw terminals for DALI bus

Technical data

- Device power supply: 110-240 Vac or DC
- KNX bus power supply

Supply

The scope of delivery includes a terminal for connection to the KNX bus line and a 1.2 x 2 cm heat shrink tubing for additional insulation of the bus cable.

Other information

DALI® (Digital Addressable Lighting Interface) is a worldwide standard for interfacing lighting control solutions whose data transmission protocol is contained in IEC 62386. DALI is a registered trademark of ZVEI (Zentralverband Elektrotechnik- und Elektronikindustrie e.V.).

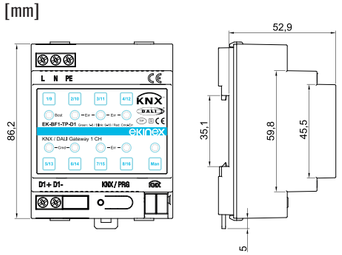
With firmware version 0.2.5 or higher, the device is certified according to EN 62386-101 and -103 ed2 (DALI2) and therefore authorised to carry the DALI-2 logo.

Main features

Besides the pure gateway function, the EK-BF1-TP-D1 also offers numerous additional functions:

- Addressing of up to 16 DALI groups or 63 individual ECGs
- Flexible DALI commissioning concept with ETS5
- Light colour control using type 8 ECG devices
- Light colour control according to different ECG subtypes
- Hourly programming for group and ECG control by value and/or colour
- Different operating modes such as permanent mode, night mode or staircase mode
- Integrated operating hours counter for each group and ECG with alarm when maximum duration is reached
- Individual fault recognition with objects for each lamp / ECG
- Complex failure analysis at group/device level with calculation of the number of failures and failure rate
- Fault threshold monitoring with individually configurable threshold values
- Scene module for extensive scene programming and dimming possibilities
- Quick replacement' function for easy replacement of individual defective ECGs
- Manual control of group and broadcast telegrams via control pushbuttons on the device
- Fault status signalling via LED on the device

Dimensions [mm]



Order information

Code	Application	Package
EK-BF1-TP-DP1	devices used to control electronic control gear (ECG) with a DALI interface (according to EN 62386) via the KNX installation bus	1 pcs.

Configuration and commissioning

ETS application v.5 and 6 for configuring the KNX functions of the device.
DCA App as special interface for configuring DALI segments.

Documentation

For more information see the technical documentation, download from **www.ekinex.com**



Gateway KNX / DALI 2 channels

GATEWAY

Description

Ekinex® Gateways EK-BF1-TP-D2 is a device used to control electronic control gear (ECG) with a DALI interface (according to EN 62386) via the KNX installation bus. The device converts switching and dimming commands from the connected KNX system into DALI telegrams and status information from the DALI bus into KNX telegrams.

Connections

- KNX port with standard connector
- Screw terminals for DALI bus

Technical data

- Device power supply: 110-240 Vac or DC
- KNX bus power supply

Supply

The scope of delivery includes a terminal for connection to the KNX bus line and a 1.2 x 2 cm heat shrink tubing for additional insulation of the bus cable.

Other information

DALI® (Digital Addressable Lighting Interface) is a worldwide standard for interfacing lighting control solutions whose data transmission protocol is contained in IEC 62386. DALI is a registered trademark of ZVEI (Zentralverband Elektrotechnik- und Elektronikindustrie e.V.).

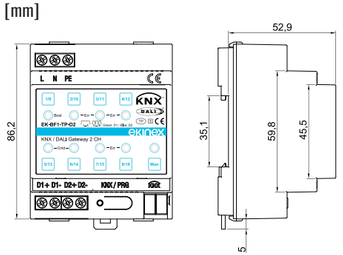
With firmware version 0.2.5 or higher, the device is certified according to EN 62386-101 and -103 ed2 (DALI2) and therefore authorised to carry the DALI-2 logo.

Main features

Besides the pure gateway function, the EK-BF1-TP-D2 also offers numerous additional functions:

- Addressing of up to 2x16 DALI groups or 2x63 individual electronic ballasts
- Flexible DALI commissioning concept with ETS5
- Light colour control using type 8 ECG devices
- Light colour control according to different ECG subtypes
- Hourly programming for group and ECG control by value and/or colour
- Different operating modes such as permanent mode, night mode or staircase mode
- Integrated operating hours counter for each group and ECG with alarm when maximum duration is reached
- Individual fault recognition with objects for each lamp / ECG
- Complex failure analysis at group/device level with calculation of the number of failures and failure rate
- Fault threshold monitoring with individually configurable threshold values
- Scene module for extensive scene programming and dimming possibilities
- Quick replacement' function for easy replacement of individual defective ECGs
- Manual control of group and broadcast telegrams via control pushbuttons on the device
- Fault status signalling via LED on the device

Dimensions [mm]



Order information

Code	Application	Package
EK-BF1-TP-DP2	devices used to control electronic control gear (ECG) with a DALI interface (according to EN 62386) via the KNX installation bus	1 pcs.

Configuration and commissioning

ETS application v.5 and 6 for configuring the KNX functions of the device.
DCA App as special interface for configuring DALI segments.

Documentation

For more information see the technical documentation, download from **www.ekinex.com**



C4 Toolbox

GATEWAY

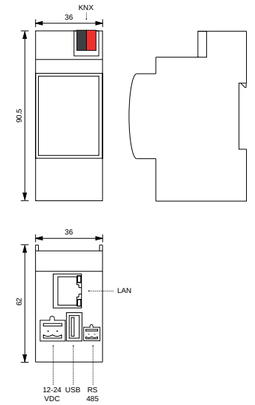
Description

C4 TOOLBOX is a device designed to add functionality to a CONTROL4 supervision system when used in combination with Ekinex KNX devices.

With C4 TOOLBOX, you can:

- Send commands and receive information from KNX devices in the CONTROL4 system
- Monitor the building's energy consumption and control loads based on total absorption with a dedicated graphic driver for Composer
- Perform continuous diagnostic checks on KNX devices and receive notifications in the event of malfunctions
- Define command sequences (scenarios) and execute them with simple connections in Composer with third-party drivers
- Create configurable logic with a graphical editor and execute it in the background
- Send notifications to CONTROL4 in the event of malfunctions or configurable events on the bus

Dimensions [mm]



Order information

Code	Application	Package
EK-BT1-TP	KNX and Control4 interfacing	1 pcs.

Configuration and commissioning

Via an internet browser that can be configured both locally and remotely, via cloud access.

Documentation

For more information see the technical documentation, download from **www.ekinex.com**



Voice control interface - KNX

GATEWAY

Description

Device with interface function between a KNX network (TP, twisted pair) and home speakers equipped with Amazon Alexa or Google Assistant. The interface, connected to Ekinex cloud services, is suitable for the control by voice commands of light, climate and motorization of a modern KNX standard building. The product is designed for installation on DIN profile rail and occupies 2 modules. The 12-24 Vdc power supply is external (power supply not included in the supply). The product with hardware based on embedded operating system, has a KNX TP node (twisted pair) and can therefore be connected directly to the bus network of KNX devices. The external connectivity is realized through the Ethernet port that connects the device directly to the home router.

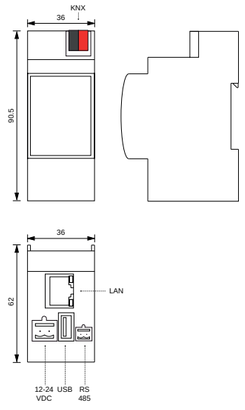
The integrated web server provides access to the configuration environment and provides the following functions:

- Interface network settings
- Registration and subscription to Ekinex cloud services
- Automatic import of the ETS project and merging with previous imports
- Configuration of voice control accessories (max 150 accessories): lighting (on/off, dimmed and RGB), motorizations (open/close stop and position) and climate
- Configuration of action sequences on the KNX bus, which can be called up as scenarios by voice assistants
- Configuration of the IFTTT (If This Than That) cloud platform for the creation of association rules between events on the KNX bus and compatible services (e.g. sending e-mail)
- On the Amazon Alexa and Google Assistant apps, the Ekinex skill and action are available respectively for the complete configuration of the service.

Main features

- 12-24 Vdc power supply (absorption 240 mA at 12 Vdc) by means of a special plug-in terminal supplied. Power supply not included
- KNX TP bus (twisted pair) via red-black terminal provided
- 1 Ethernet port via cat. 5 or higher cable and standard RJ45 connector
- 2 frontal LEDs: POWER LED for signalling the presence of power supply; SERVICE LED for signalling particular operations in progress.
- 1 RESET button housed under the front cover on the back of the vertical card
- 1 RS485 port: not used
- 1 USB 2.0 port: not used

Dimensions [mm]



Order information

Code	Application	Package
EK-BW1-TP	Voice control	1 pcs.

Configuration and commissioning

Through internet browser configurable both locally and remotely via cloud access.

Documentation

For more information see the technical documentation, download from **www.ekinex.com**



Konnect4 - KNX

GATEWAY

Description

Modular device with simplified programming unit function and IP interface for Control4 automation systems. Allows EKINEX-compatible devices to be programmed within the Composer Pro software without the use of ETS.

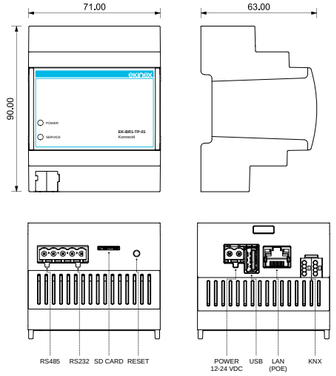
Main features

- Flexible integration of EKINEX and CONTROL4 products in the same installation.
- Simplified wiring for installers.
- Enhancement of the Control4 offering with design-oriented products.
- The same devices can be used by KNX professionals (with ETS) and by non-experts directly in Composer Pro.
- Maximum reliability thanks to the KNX standard-based solution.
- A winning offer for all markets, adapting to the different needs, styles and expectations of installers and end users.

Technical data

- Power supply 12/24 Vdc
- Power consumption 3W (240mA at 12V)
- Ethernet LAN connection port
- Plastic housing
- Version for mounting on 35 mm profile rail (according to EN 60715)
- IP20 protection rating (according to EN 60529)
- Insulation class II (according to EN 60335-1)
- Weight 70 g
- Modular device 2 UM (1 UM = 18 mm)
- Dimensions 36 x 94 x 71 mm (W x H x D)

Dimensions [mm]



Order information

Code	Application	Package
EK-BR1-TP-01	KNX and/or Control4 interface	1 pcs.

Documentation

For more information see the technical documentation, download from **www.ekinex.com**

Metering

DIN-RAIL MOUNT MODULES

	EK-MS1-TP-20D **KNX three-phase secondary electricity meter**	EK-MS2-TP-TA **KNX single-phase secondary electricity meter**	EK-ME1-75D-TP **Three-phase MID electricity meter 75A**	EK-ME1-5TA-TP **Three-phase MID electricity meter 5A**
				
Three-phase energy meter	•	-	•	•
Single-phase energy meter	•	•	•	•
Direct connection	•	-	•	-
Fully bi-directional four quadrants measurements for all energies and powers	•	•	•	•
Main electrical parameters measured and displayed for a cost-effective consumption analysis	•	•	•	•
For 3 wire networks with balanced or unbalanced load	•	-	•	•
Class B according to EN 50470-3	-	-	•	•
Tariff Input	-	-	•	•
2 SO outputs for energy pulse emission	-	-	•	•
LCD-Display	•	-	•	•
Sealable cover to prevent tampering	-	-	•	•
MID Certificate	-	-	•	•
KNX protocol	•	•	•	•
Mounting on standard 35 mm rail (EN 60715)	•	•	•	•



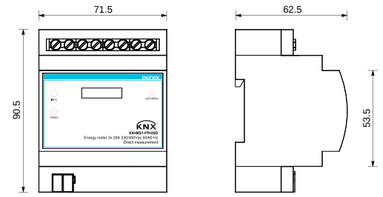
KNX three-phase secondary electricity meter

METERING

Description

The EK-MS1-TP-20D device has 3 independent measurement channels with direct insertion and is suitable for measuring a maximum of 3 independent single-phase power lines (230 Vac, 50-60 Hz), or 1 three-phase power line (400 Vac, 50-60 Hz). The mounting is on a 35 mm DIN rail with dimensions of 4 modular units (L = 144 mm). It is also equipped with a display (graphic OLED, 128x32 px) and a query button. By pressing and holding the query button, it is possible to consult the instantaneous values of the measured electrical quantities (total active power, imported and exported active energy, voltage, current and power factor), the errors detected by the measuring system and other information on the product (FW and ETS versions, serial number of the KNX node).

Dimensions [mm]



Features

- OLED display for displaying measured and diagnostic information
- Bidirectional measurement of electrical parameters for single-phase and three phase circuits
- Connection of measuring circuits with direct connection via screw terminals with cable cross-section up to 4mm2
- Accuracy better than 2%
- Connection to bus line via KNX terminal
- 4 UM modular plastic housing (1 UM = 18 mm)

Technical data

- Rated voltage Un: 3x230/400 V AC (+/- 20%)
- Rated frequency fn: 50 Hz
- Direct connection current Imax 20 A
- Current consumption from bus < 10 mA

Order information

Code	Application	Package
EK-MS1-TP-20D	KNX three-phase secondary electricity meter	1

Configuration and commissioning

By means of ETS5 software or later versions
Application program **APEKMSXTP##.knxprod**
(download from www.ekinex.com)

Documentation

For more information see the technical documentation,
download from **www.ekinex.com**



Three-phase secondary electricity meter for external KNX current transformers

METERING

COMING SOON

Description

The Ekinex KNX three-phase secondary electricity meter is a device for measuring active and reactive electricity with bidirectional counting for imported and exported energy, current, voltage, active and reactive power, power factor and other electrical parameters. The 3 available measurement circuits are for connection via external current transformers (CTs) and can also be used as independent single-phase circuits.

The device is equipped with an integrated communication module for the KNX bus. The meter provides electrical parameters on the KNX bus, has total/partial counters, comparators and other logic functions, and can be configured via ETS for integration into the energy management system with functions such as load control or threshold monitoring. The device is designed for mounting on a DIN rail in accordance with EN 60715 inside electrical panels and cabinets.

Features

- OLED display for displaying measured and diagnostic information
- Bidirectional measurement of electrical parameters for single-phase and three phase circuits
- Connection of measuring circuits to current transformers via screw terminals with cable cross-sections up to 4 mm
- Accuracy better than 2%
- Connection to bus line via KNX terminal
- 4 UM modular plastic housing (1 UM = 18 mm)

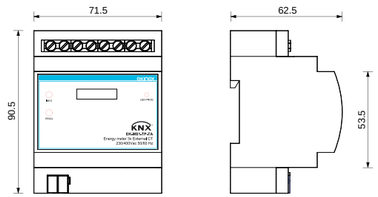
Technical data

- Nominal voltage Un: 3x230/400 V AC (+/- 20%)
- Nominal frequency fn: 50 Hz
- Current transformers from Imax 5 A up to Imax 120 A (not included in the supply

Supply

The supply includes a terminal for connection to the KNX bus line. To be completed with EK-MST-...A current transformers, ordered separately.

Dimensions [mm]



Order information

Code	Application	Package
EK-MS1-TP-TA	KNX single-phase secondary electricity meter	1

Configuration and commissioning

By means of ETS5 software or later versions
Application program **APEKMSXTP##.knxprod**
(download from www.ekinex.com)

Documentation

For more information see the technical documentation, download from **www.ekinex.com**



KNX single-phase secondary electricity meter

METERING

Description

The EK-MS2-TP-TA device has 2 independent measurement channels via external current transformers (CT) and is suitable for measuring single-phase power lines (230 Vac, 50-60 Hz). The flush-mounted box mounting is made in a compact case with the possibility of mounting on a 35 mm DIN rail (EN 60715) using a special adapter included in the supply.

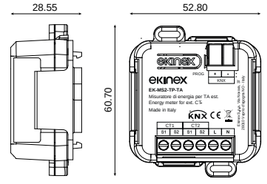
Features

- Bidirectional measurement of electrical parameters for single-phase circuits
- Connection of measuring circuits to current transformers via screw terminals
- Accuracy better than 2%
- Connection to bus line via KNX terminal
- Up to 2 independent measuring circuits available
- Plastic housing

Technical data

- Supply voltage: 230 V AC
- Rated frequency fn: 50 Hz
- Current transformers from Imax 5 A up to Imax 120 A (not included in delivery)
- Current consumption from bus < 10 mA

Dimensions [mm]



Order information

Code	Application	Package
EK-MS2-TP-TA	KNX single-phase secondary electricity meter	1

Configuration and commissioning

By means of ETS5 software or later versions
Application program **APEKME1EMUTP##.knxprod**
(download from www.ekinex.com)

Documentation

For more information see the technical documentation, download from **www.ekinex.com**



Power transformer for secondary electricity meter

METERING

Description
Current transformer (CT) to be used in combination with the ekinex submeter EK-MS2-TP-TA.

Features
- Plastic housing
- Ferrite core
- 1.5 m connecting cable with free terminals
- Openable for easy installation

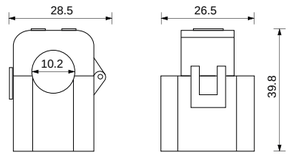
Technical data
- For indoor use
- Applicable cable specifications: 10mm for EK-MST-5A, EK-MST-20A, EK-MST-60A, 16mm for EK-MST-120A
- Nylon housing, UL94-V0 classification
- Black and white double wire
- Class 05
- Voltage level: 0.4/0.66/0.72kV
- Withstand voltage level: 2kV/1mA/1min
- Rated frequency: 50/60Hz
- Operating temperature: -40...+55°C
- Weight: 48...93g

Versions
- EK-MST-5A: Primary 0-5A / ratio 1000 to secondary (5A-5mA)
- EK-MST-20A: Primary 0-20A / ratio 1000 to secondary (20A-20mA)
- EK-MST-60A: Primary 0-60A / ratio 3000 to secondary (60A-20mA)
- EK-MST-120A: Primary 0-120A / ratio 3000 to secondary (120A-40mA)

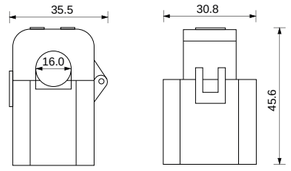
Connections
The current transformer is equipped with a two-conductor connection cable of 1.0 m length with free terminals. The cable can not be extended.

Dimensions [mm]

- EK-MST-5A / EK-MST-20A / EK-MST-60A



- EK-MST-120A



Order information

Code	Application	Package
EK-MST-5A	Power transformer for secondary electricity meter Primary 0-5A / ratio 1000 to secondary (5A-5mA)	1
EK-MST-20A	Power transformer for secondary electricity meter Primary 0-20A / ratio 1000 to secondary (20A-20mA)	1
EK-MST-60A	Power transformer for secondary electricity meter Primary 0-60A / ratio 3000 to secondary (60A-20mA)	1
EK-MST-120A	Power transformer for secondary electricity meter Primary 0-120A / ratio 3000 to secondary (120A-40mA)	1

Configuration and commissioning

By means of ETS5 software or later versions
Application program **APEKME1EMUTP##.knxprod**
(download from www.ekinex.com)

Documentation

For more information see the technical documentation, download from **www.ekinex.com**



Three-phase MID electricity meter 75A

METERING

Description
Three-phase MID energy meter for active and reactive energy measurement with bi-directional metering for imported and exported energy, current (A), voltage (V), active power (kW), reactive power (kVAr), power factor and other electrical parameters. Direct connection up to 75 A. The device has an integrated communication module to the KNX bus.

The meter has four S0 pulse outputs for the transmission of imported and exported active and reactive energy data, which can alternatively be used for load control functions or for threshold monitoring of a maximum value. The device enables two- or four-rate system management with switching of the active rate via a 230 Vac signal. Protection against manipulation is provided by sealable terminal covers. The device is designed for DIN rail mounting according to EN 60715 inside switchboards and control cabinets.

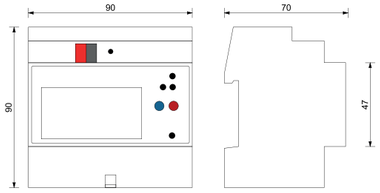
Functions
- Display: graphic 60x30 mm LCD backlit
- Optical interface D0: according to EN 62056-21
- Communication interface: KNX TP
- KNX configuration: via ETS software
- Metrological LED: 10 pulses / Wh
- Pulse output: Opto Power MOSFET S0 for heavy-duty applications, 5-230 Vac or Vdc, max 90 mA
- Pulse setting (frequency, length)
- Accuracy class: B (1%)
- Environmental class: mechanic: M1, electromagnetic: E1
- Safety class: 2
- Marks: KNX, CE, MID (B+D)
- Device housing: modular 5 MU (1 MU = 18 mm)
- Degree of protection: IP51 (housing), IP20 (terminals)
- Dimensions (LxHxD): 90 x 90 x 67 mm

Technical data

Power supply
- Rated voltage Un: 3x230 / 400V (+/- 20%)
- Rated frequency fn: 50 Hz, 60 Hz on request

Voltage
- Direct connection: (Ist, Imin, Itr, Iref, Imax) 0.02 A / 0.25 A / 0.5 A / 5 A / 75 A (5(75))

Dimensions [mm]



Order information

Code	Device	Package
EK-ME1-75D-TP	Three-phase MID electricity meter 75A	1

Configuration and commissioning

By means of ETS5 software or later versions
Application program **APEKME1EMUTP##.knxprod**
(download from www.ekinex.com)

Documentation

For more information see the technical documentation, download from **www.ekinex.com**



Three-phase MID electricity meter 5A

METERING

Description

Three-phase MID energy meter for active and reactive energy measurement with bi-directional metering for imported and exported energy, current (A), voltage (V), active power (kW), reactive power (kVAr), power factor and other electrical parameters. Connection via current transformers (CT). The device has an integrated communication module to the KNX bus.

The meter has four S0 pulse outputs for the transmission of imported and exported active and reactive energy data, which can alternatively be used for load control functions or for threshold monitoring of a maximum value. The device enables two- or four-tariff system management with switching of the active rate via a 230 Vac signal. Protection against manipulation is provided by sealable terminal covers. The device is designed for DIN rail mounting according to EN 60715 inside switchboards and control cabinets.

Functions

- Display: graphic 60x30 mm LCD backlit
- Optical interface D0: according to EN 62056-21
- Communication interface: KNX TP
- KNX configuration: via ETS software
- Metrological LED: 10 pulses / Wh
- Pulse output: Opto Power MOSFET S0 for heavy-duty applications, 5-230 Vac or Vdc, max 90 mA
- Pulse setting (frequency, length)
- Accuracy class: B (1%)
- Environmental class: mechanic: M1, electromagnetic: E1
- Safety class: 2
- Marks: KNX, CE, MID (B+D)
- Device housing: modular 5 MU (1 MU = 18 mm)
- Degree of protection: IP51 (housing), IP20 (terminals)
- Dimensions (LxHxD): 90 x 90 x 67 mm

Technical data

Power supply

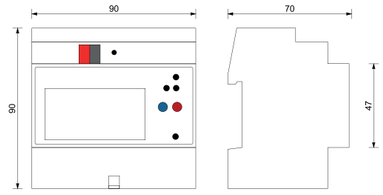
- Rated voltage Un: 3x230 / 400V (+/- 20%)
- Rated frequency fn: 50 Hz, 60 Hz a richiesta

Voltage

Current transformer /5A and /1A:

- /5A (Ist, Imin, Itr, Iref, Imax) 0.01 A / 0.05 A / 0.25 A / 5 A / 6 A (5(6))
- /1A (Ist, Imin, Itr, Iref, Imax) 0.002 A / 0.01 A / 0.05 A / 1 A / 1.2 A (1(1.2))

Dimensions [mm]



Order information

Code	Device	Package
EK-ME1-5TA-TP	Three-phase MID electricity meter 5A	1

Configuration and commissioning

By means of ETS5 software or later versions
Application program **APEKME1EMUTP##.knxprod**
(download from www.ekinex.com)

Documentation

For more information see the technical documentation, download from **www.ekinex.com**



Terminal blocks

ACCESSORIES

Description

Terminal block for the connection of KNX bus lines or SELV auxiliary power supply. It allows the connection of max. 4 pairs of wires. To be used also as distribution terminal in wall boxes.

Colour coding

- EK-MNR-TP: red = + (positive), black = - (negative)
- EK-MGB-TP: yellow = + (positive), white = - (negative)

Main features

- 4 plug-in seats for each polarity
- Fast spring connection
- Suitable for solid wire diameter 0,6÷0,8 mm
- Mechanical coding for terminal block housing on devices
- Wire strip length (advised) 5-6 mm

Order information

Code	Colour coding	Use	Package
EK-MNR-TP	red/black	bus connection	50
EK-MGB-TP	yellow/white	SELV connection	50

Technical data

- Nominal voltage 100 V
- Nominal current 6 A

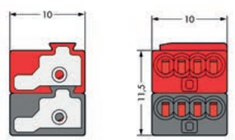
Delivery

Package of 50 pieces.

Note

A terminal block for the connection of KNX bus line (EK-MNR-TP) is supplied with every Ekinex® device.

Dimensions [mm]



EK-MNR-TP EK-MGB-TP



Bus cable

ACCESSORIES

Description

The bus cable LSHF (Low Smoke Halogen Free) is a twisted pair cable for the connection of KNX bus devices and the derivation of KNX bus lines. It is available with a single pair of wires with a diameter of 0.8 mm. Screen in aluminium foil. For use in dry interior.

Main features

- Cable for KNX based applications (TP)
- Single pair of wires Ø 0,8 mm
- Black/red wires for KNX bus line connection
- Yellow/white wires for auxiliary SELV or spare power supply

Order information

Code	Type	Use	Package [m]
EK-112-TP	1 x 2 x 0,8	bus connection	100
EK-114-TP	2 x 2 x 0,8	bus connection and spare pair	100
EK-512-TP	1 x 2 x 0,8	bus connection	500
EK-514-TP	2 x 2 x 0,8	bus connection and spare pair	500

Technical data

- Nominal voltage: 50 V
- Test voltage: 4 kV

Delivery

100 m skein wrapped in cellophane or 500 m spool.

EK-112-TP EK-114-TP EK-512-TP EK-514-TP

VISUALISATION

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Renewed graphic interface	378
Simplified configuration and maintenance	381
Complete versatility	382
Main features - Licenses	383
Delégo server	384
Delégo panel	386


21:20
21
23



Ekinex Delégo: the system

VISUALISATION

Delégo is a system for the visualisation and control of a KNX home automation system. Developed with web-oriented technologies, it has a uniform interface with high graphical impact on every platform, both desktop (PC) and mobile (Apple iOS and Android devices), with both local and remote connection. The system consists of a compact server (based on Linux operating system) to be installed in an electrical box: the device connects directly to the KNX bus via twisted pair; the connection to the home router is made via the Ethernet port on your local network (LAN).

The user can interact with the system either by means of mobile devices, or with one or more fixed stations, by means of Delégo panel a touch-panel with elegant and minimal design, for wall installation, connected via Ethernet port on its local network (LAN). The Delégo visualisation system is characterized by a simple and at the same time extremely complete configuration, thanks to the direct import of the ETS project file. The functional definition of the various imported domotic objects and the correspondence with a rich and customizable set of controls (widgets) for the user, is also very straightforward.

The renewed interface is simple and intuitive and allows the user to interact with the home automation system of his smarthome through the use of different devices, with absolute uniformity of use. The app allows you to remotely control lights, climate, automatisms, audio/video equipment, shutters and more with a simple touch, from a single device and from anywhere in the building reached by the Wi-Fi network, or remotely via web connection.



Renewed graphic interface

VISUALISATION

The redesigned visual interface can be accessed either via an app for smartphone and tablet (supported operating systems: Apple iOS and Android) or from a desktop PC workstation. All the devices can be interfaced with the server previously configured so that all the functions of the automation system can be controlled and viewed. The app, accessible from mobile devices (smartphones and tablets) or fixed devices (Delégo panel), is structured for the logical vision of the building, by areas or services. The visualisation with desktop PC also allows the visualization with synoptic: the plan of the space can be associated, following the physical location, with the set of available services.

VISUALIZATION BY AREAS

The app will display a list of configured areas, each identified by an image inserted in the web configurator during the commissioning phase;
In each area set through the web configurator (for example: living room, bedroom, kitchen) the user can choose whether to turn on or off the lights, or to change the settings of the room thermostat and other settings for each of the available features;
Simple navigation between the different areas configured with a touch of the display.

VISUALIZATION BY SERVICES

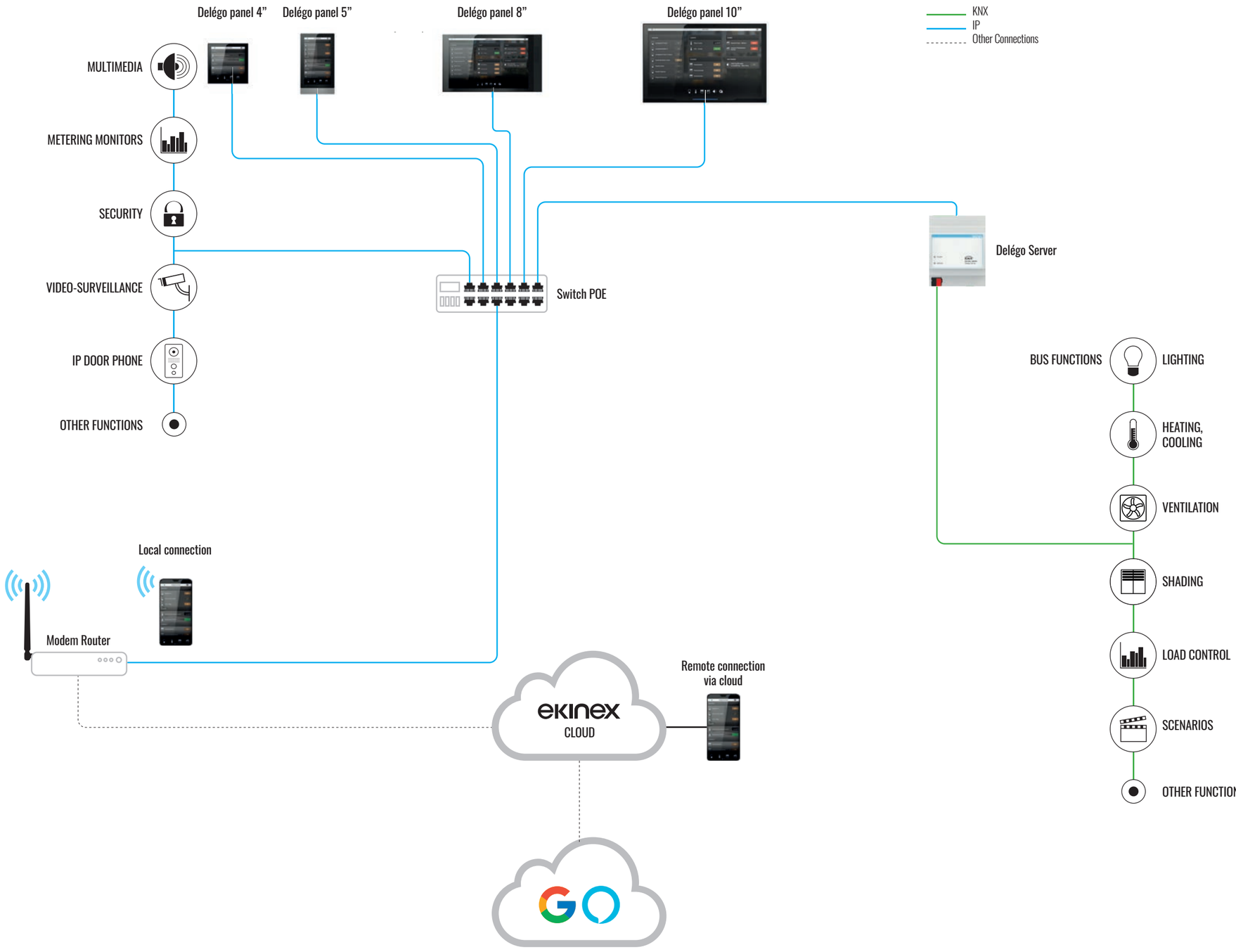
The visualization of each area can be filtered through a toolbar that allows you to easily select the individual function available:

Lighting
Air conditioning
Shading and motorized automations
Scenarios

The app can be extended with the functions provided by the compatible video surveillance, intrusion detection and audio/video systems integrated in the Delégo server.







Simplified configuration and maintenance

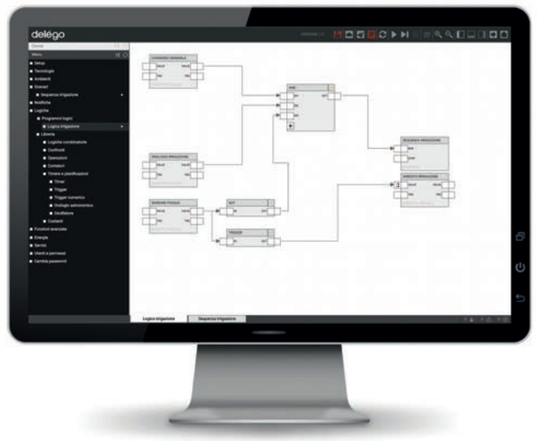
VISUALISATION

Thanks to the web interface it is possible to program the system online and offline (without Delégo server connected), and thanks to the ETS' project file import tool, it is possible to quickly integrate all the group addresses used. The system also supports the incremental upgrade of the installation via subsequent imports.

The graphics of the widgets adapt automatically according to the KNX communication objects connected in the project. The remote connection of the Delégo server can be made either via port forwarding or via native cloud connection. Maintenance and support can thus be carried out quickly and with reduced running costs.

Complete versatility

VISUALISATION



Multiplatform
Delégo server can be managed by PC, MAC, Touch-PC, smartphone and tablet through a common Internet browser or with a free dedicated app (available for Apple devices and Android).

Customizable
the graphics and automatic functions of Delégo server can be easily modified according to your needs, accessing the web pages with your PC of administration.

Quick to configure
Delégo server proposes a set of ready-to-use functions typically used in the home automation supervisors and allows you to quickly import the structure of your own ETS building (KNX installation).

Multi-protocol
Delégo server can be connected directly to both the KNX bus in the twisted version pair, both to Modbus on RS485 network and via TCP/IP protocol via Ethernet port. Thanks to the multi-protocol management it is possible to connect intrusion detection systems, thermoregulation, multimedia systems and video surveillance.

Easy to install
Thanks to the size of only 2 modules on DIN rail, Delégo server can be easily installed directly into the electrical cabinet. The communication ports to the LAN, KNX bus and other technological subsystems do not require any additional external interfaces.

Reliable
The Delégo server is based on a Linux operating system that guarantees reliability and stability. of the platform for continuous use, as well as providing a high degree of safety on the net.

Also offline
It is possible to build the visualisation project even without being connected to the webserver, working in “offline” mode directly on your PC or MAC.

100% Made in Italy
Hardware and software are designed, manufactured, assembled and tested entirely in Italy, to guarantee the highest quality of the product and after-sales service competent and helpful.

Main features

VISUALISATION

SOFTWARE FEATURES

Standard technologies	KNX RS-485 / TCP / UDP configurable Modbus RTU/TCP	
User Interface	Web / HTMLS (All operating systems) Dedicated app (iOS I Android)	
Number of users	Unlimited without additional licenses	
Synchronized connections	Up to 20 (scalable on request)	
Technological systems	Lighting Heating / air conditioning Motorized doors and windows Irrigation Thermal power plant I thermoregulation Technical alarms Consumption and energy management Load control Weather control IP Cameras / IP Door phones Intrusion detection Audio/Video broadcasting	
Compatibility of operating systems	Microsoft Windows Apple Mac OSX Linux	Apple iOS Android

VISUALIZATION

Layout	Graphics scalable by resolution Automatic recognition of mobile devices Full support for touch and multi-touch devices
Navigation	Personalized graphic pages Multi-level environment navigation Navigation by functions Summary popups for the most complex functions Always accessible and customizable menu
Customization	Scenarios, Calendar schedules
Notifications and messages	Notifications on screen, Email, Push notifications
Cloud Services	Remote Accessibility, Weather Services, IFTTT

SETUP AND CONFIGURATION

Configuration mode	Online Offline via free downloadable tool
Environment of configuration	Integrated search engine Navigation tree for access to all functions Drag & drop Multi-tab for multiple simultaneous configuration functions
Setup and maintenance	Network Date and time Backup / stay configuration via browser Language selection Graphic Themes Selection and Layout Customization Software update via browser
Environments / graphic pages	Grid layout and graphic map Customizable background images Custom Object Sorting/Placement
Advanced Functions	Scenarios with timings Logics Comparison of values and levels Mathematical operations Custom functions via scripting
Planning and calendar	Unlimited number of daily profiles for each object Weekly and annual profiles Configuration accessible by end user
Energy Management	Support for KNX network analyzers, ModBus Integrated load control function Graphical visualization of consumption and production Real-time load absorption display Automatic comparisons and consumption indicators
Voice Control	Amazon Alexa - Google Assistant
Users and security	Unlimited number of users Unlimited access Secure SSL access via internet



Delégo server

VISUALISATION

Description

Delégo server is the Ekinex visualisation system for KNX-based installations. It allows management of the functions in the building via Delégo Panels and through the Delégo APP, available free of charge on Apple and Google stores. Control can be done both locally and remotely via connection to the Ekinex Cloud. The graphics are customizable, suitable for any context and application, and optimized for viewing on both smartphones and tablets. Configuration of KNX functions is simplified and fast. The server offers the possibility of creating scenarios, time sequences, logics, conditions, mathematical operations, and time schedules through simple and intuitive graphical tools; it also allows the reporting of events and alarms as push notifications or via e-mail. Configuration is done via web pages directly by connecting to the server and requires no programming skills for customization. The server natively handles KNX, Modbus and Mbus protocols without the need for additional licenses.

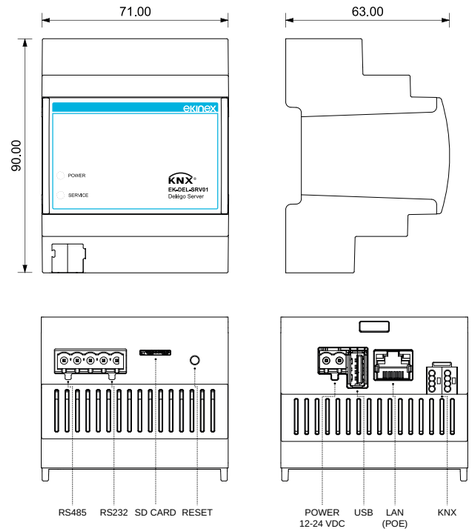
- Local connection of Delégo Panels via Ethernet or Wi-Fi network
- Local connection of smartphones and tablets via WiFi network
- Remote connection of smartphones and tablets via direct connection of the server device to the Internet (with port forwarding) or via connection to the Ekinex cloud.
- Secure connection via TLS/SSL encryption
- Integration with Amazon's Alexa and Google Assistant voice assistants
- Option to display graphical maps of the installation
- Built-in web server for system configuration: automatic ETS project import,room configuration, logic processing functions (combinational functions, timings, mathematics, astronomical clock, ...)

Technical data

- **Dimensions:** 71x90x63 mm (LxHxP)
  4UM DIN (1 UM=18mm)
- **Power supply:** POE or alternatively 12-24VDC
- **Power consumption:** 240 mA at 24V
- **Processor:** Quad-core
- **RAM:** 1Gb
- **Connections** LAN (RJ45) POE
  2 pin RS485 (Terminal provided)
  3 pin RS232 (Terminal provided)
  USB 2.0
  Micro SD Slot
- **LED** Power
  Service/Reset

- **Degree of protection:** IP 20
- **Insulation Class:** II (according to EN 60335-1)
- **Operating Temperature:** +0°C ... +40°C
- **Storage Temperature:** -10°C ... +70°C

Dimensions [mm]



Documentation

For more information see the technical documentation, download from **www.ekinex.com**





	DELÉGO MINI	DELÉGO SERVER
CODE	**EK-DEL-SRV01-M**	**EK-DEL-SRV01**
KNX DATAPOINTS		
KNX Datapoints	200	1500
KNX Datapoints Upgrade with EK-DEL-UPG01 or EK-DEL-UPG02	NO	YES
ACCEDO (ACCESS CONTROL SYSTEM)		
Rooms	4	4
Rooms Upgrade (with Voucher)	Up to 200 Rooms with Vouchers	Up to 200 Rooms with Vouchers
USER INTERFACE		
ETS Import	YES	YES
Maps	YES	YES
Rooms	YES	YES
Interface customisation	YES	YES
Trends	YES	YES
CLOUD SERVICES		
Cloud Connectivity for remote access	YES	YES
Voice Assistants	YES	YES
Weather services	YES	YES
Notifications on Cloud	YES	YES
INTEGRATIONS		
Modbus	YES	YES
Matter	YES	YES
Mbus	YES	YES
MQTT clients and servers	YES	YES
Integration of Philips HUE	5 bridges	5 bridges
Sonos integration	30 zones	30 zones
KNX alarm systems (example: Telenote)	YES	YES
Security systems integration (Tecnoalarm, Elmo, Bentel, Paradox, Axel)	YES with Voucher	YES with Voucher
VOIP integration (2N, Doorbird)	YES with Voucher	YES with Voucher
FUNCTIONS		
LUA Logic Module	YES	YES
Lights	YES	YES
RGBW lights	YES	YES
Heating/Cooling	YES	YES
Shades	YES	YES
Irrigation	YES	YES
Alarms	YES	YES
Circadian cycle	YES	YES
E-mail notifications	YES	YES
Push notifications	YES	YES
Schedules	YES	YES
Energy Load Management	YES	YES
Astronomical Clock	YES	YES
Scenes and Timers	YES	YES
Boolean Logics	YES	YES
Conditions	YES	YES
Presence Simulation	YES	YES
Scripting	YES	YES
Scripting	NO	YES



Delégo panel

VISUALISATION

Description

The touch-panels of the Delégo series are a must-have instrument for the management of the modern connected building. Through these you can control all the automation functions of the premises: lights, roller shutters, burglar alarm, climate control, building management, etc. energy saving and multimedia system.

Delégo touch-panels are available in two cuts, from 5" to 10" capacitive display, with black frame. The elegance of the minimalist design, the exceptional graphic of the HD display and the outstanding performances, make Delégo panel ideal for home, office, businesses, and any other area of installation. Possibility of customization through aluminium frame (5" version only).

Explore the new features of Delégo Panel

Delégo Panel has evolved to offer you an unparalleled management experience. With newly released features and graphical implementations, managing your business has never been so simple, intuitive, and powerful. Discover how Delégo Panel can transform your supervision system! Get ready to experience a new way of managing your smart home with Delégo Panel. Innovation, efficiency and simplicity: the future is here, and Delégo puts you in control.

Delégo panel Basic

	5" Basic
	
Code	EK-DEL-5PAN
Power supply	Power Over Ethernet (PoE)
Connectivity	LAN 100baseT
Display	LCD HD IPS TFT
Colours	16.7 million colours (true colour)
Resolution	720 x 1280 px
Touch screen	capacitive with multi-touch & gesture support
Speakers	high definition audio with built-in amplifier, 1W
Integrated microphone	high resolution
Operating system	Android 6
Certifications	CE / FCC class B / FCC part 15 / RoHS / WEEE
Dimensions (W x H x D) mm	132 x 81 x 14
Orientation	portrait
Plastic frame	black
External frame	aluminium
Compatible flush-mounting box	2M flush mounting box (e.g. BTicino mod. 502E); round box diameter 60 mm (e.g. Gewiss mod. 24232) 3M flush mounting box vertical mounting (e.g. BTicino mod. 503E)

Delégo panel Smart

	4" Smart	8" Smart
		
Code	EK-DEL-4PAN-S	EK-DEL-8PAN-S
Power supply	Power Over Ethernet (PoE)	
Connectivity	LAN 100baseT	
Wi-Fi	IEEE802.11 b/g/n	
Bluetooth	Bluetooth 4.2	
Display	LCD HD IPS TFT	
Colours	16.7 million colours (true colour)	
Resolution	480 x 480 px	1280 x 800 px
Touch screen	capacitive with multi-touch & gesture support	
Speakers	single 8Ω / 1.5W	4 speakers 4Ω / 2W
Integrated microphone	double microphone -42dB	double microphone -26dB
Operating system	Android 10	Android 12
SIP Server	NO	SI
Certifications	CE / FCC class B / FCC part 15 / RoHS / WEEE	
Dimensions (W x H x D) mm	86.4 x 86.4 x 11.8	216.2 x 124.4 x 11.8
Orientation	portrait	landscape
Plastic frame	black	
Compatible flush-mounted box	2M flush-mounting box (e.g. BTicino mod. 502E); 65x45 mm diameter round box (e.g. Gewiss mod. GW24234PM)	2M flush mounting box (e.g. BTicino mod. 502E); round box diameter 60 mm (e.g. Gewiss mod. 24232) 3M flush mounting box vertical mounting (e.g. BTicino mod. 503E)

Delégo panel Plus

	10" Plus	15" Plus
		
Code	EK-DEL-10PAN-PL	EK-DEL-15PAN-PL
Power supply	PoE+ IEEE 802.3at / 12–24 V DC	PoE+ IEEE 802.3at / 12 V DC
Connectivity	Ethernet RJ45, RS485	Ethernet RJ45, RS485, HDMI, I/O
Wi-Fi	Wi-Fi 6 (802.11 b/g/n/ax)	
Display	TFT LCD 10,35"	IPS LCD 15,6"
Colours	16.7 million colours (true colour)	
Resolution	2000 × 1200 px	1920 × 1080 px
Touch screen	capacitive with multi-touch & gesture support	
Speakers	4 speaker 8Ω / 2W	4 speaker 8Ω / 4W
Integrated microphone	Dual microphone -26 dB	Quad microphone -38 dB
Operating system	Android 14	
SIP Server	SIP 2.0 protocol	
Certifications	CE / FCC / RoHS / WEEE	
Dimensions (W x H x D) mm	245 x 156 x 10	360 x 219 x 10
Orientation	landscape	
Frame	black aluminium	
Compatible flush-mounted box	2M flush-mounting box (e.g. BTicino mod. 502E); 65x45 mm diameter round box (e.g. Gewiss mod. GW24234PM)	Dedicated box / wall bracket

Documentation

For more information see the technical documentation, download from **www.ekinex.com**

MULTIROOM AUDIO SYSTEM

Streaming Amplifier 402
Speakers 407
Speakers by Laboratorio Audio 409

Sentio

MULTIROOM AUDIO SYSTEM

Listen to your favourite music in any room in your home.
Sentio brings the magic of sound to every room, transforming your listening experience into emotion.

Product range

Streaming amplifier

Streaming amplifier 30W | Streaming amplifier 50Wx2 | Streaming amplifier 80Wx2 | Streaming amplifier 50Wx8

Speakers

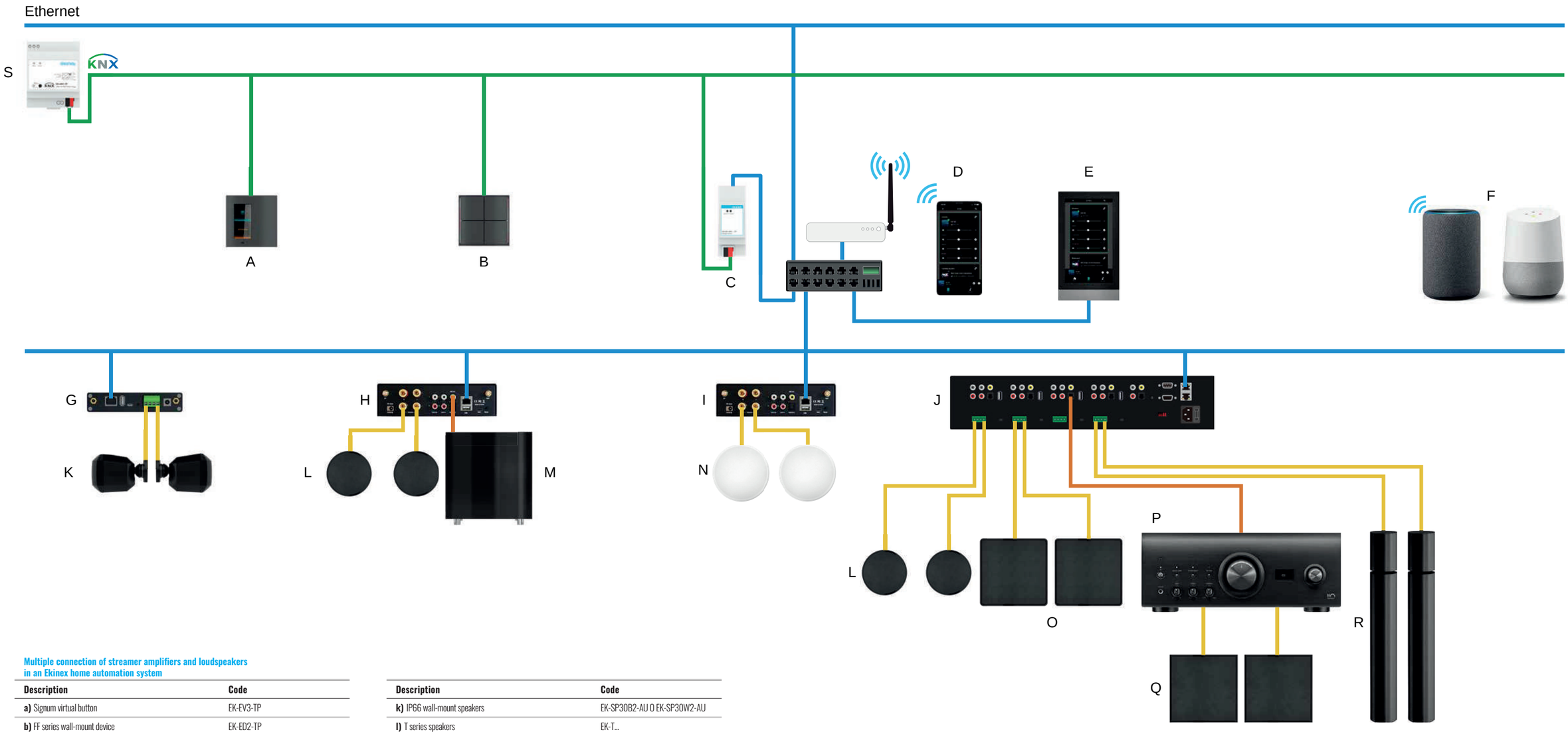


Wall-mounted audio speaker IP66 (pair) - black | Wall-mounted speaker IP66 (pair) - white | 2-way built-in speaker (single)

Speakers Ekinex by Laboratorio audio



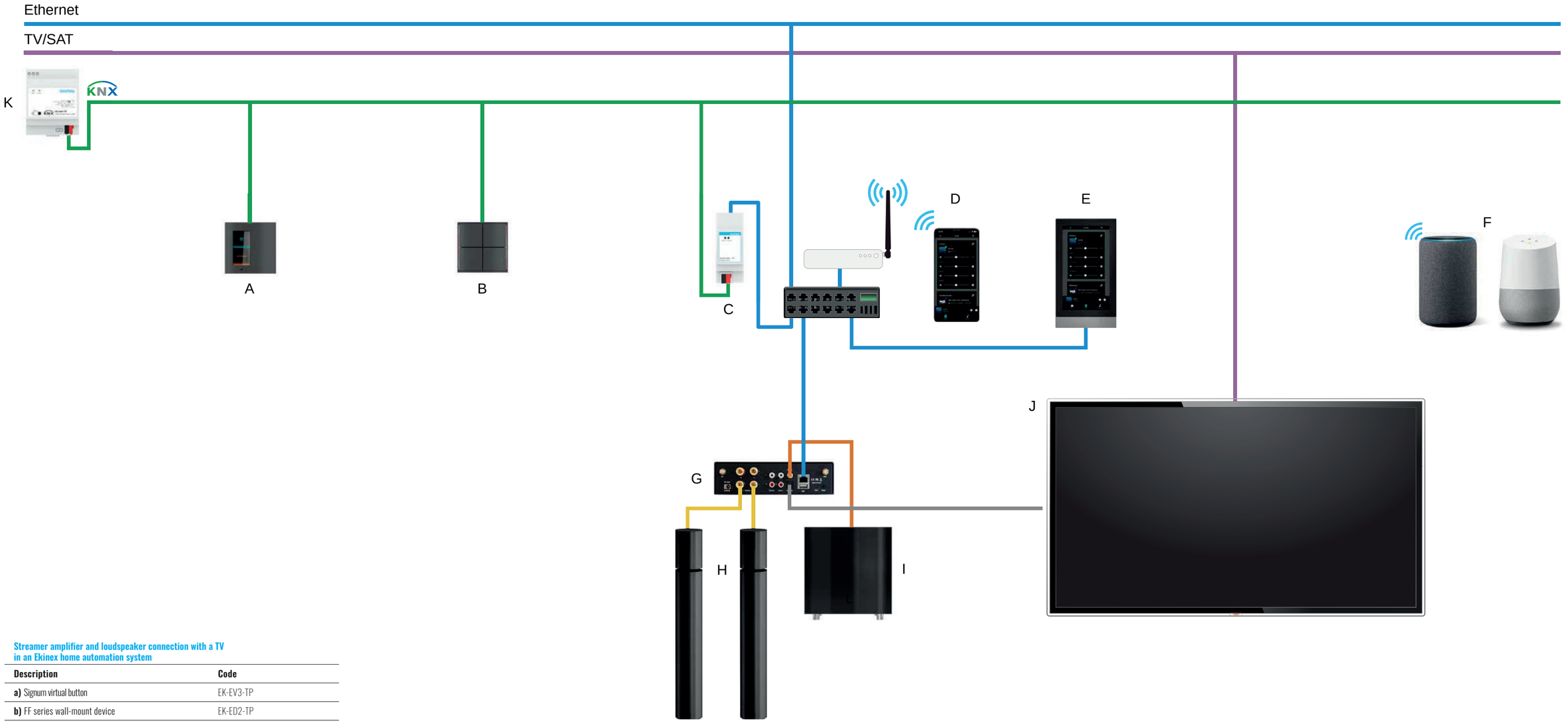
Q series | R series | T series | SUB | Omni/Iride | Modulor



Multiple connection of streamer amplifiers and loudspeakers in an Ekinex home automation system

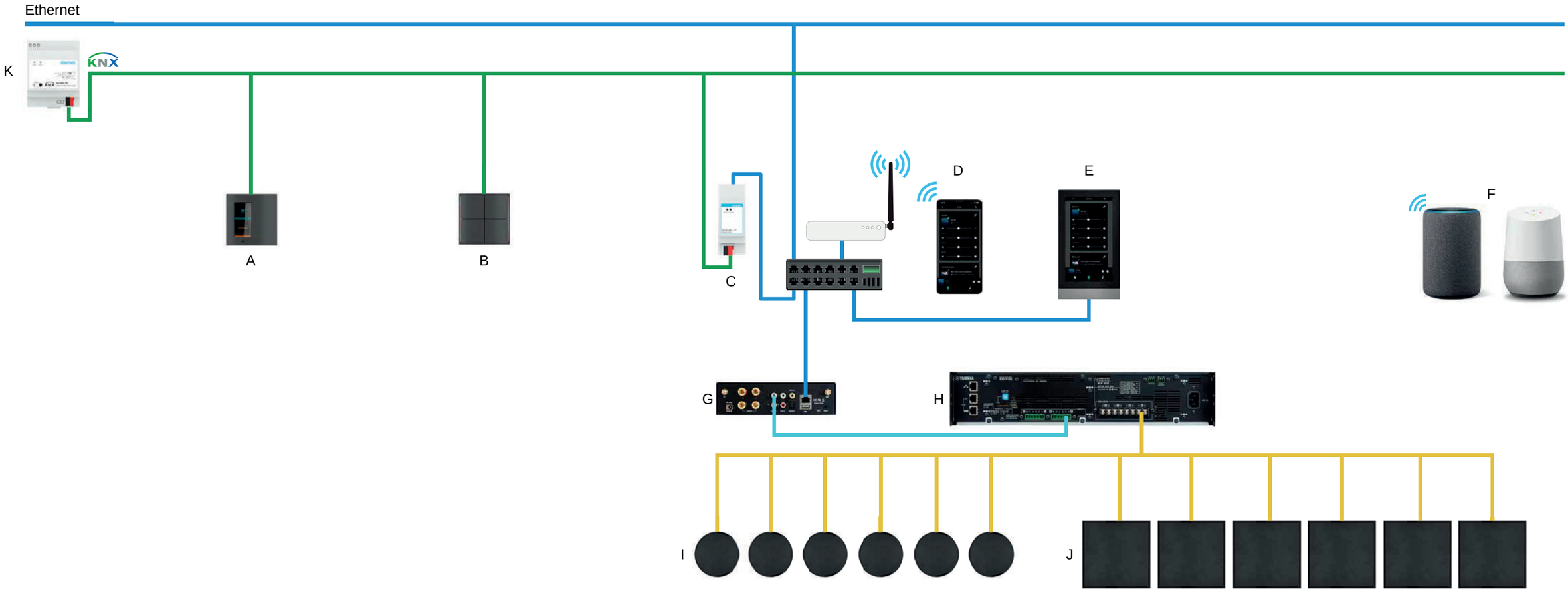
Description	Code
a) Signum virtual button	EK-EV3-TP
b) FF series wall-mount device	EK-ED2-TP
c) Delégo Server	EK-DEL-SRV-BAS-200-TP
d) Sentio App for mobile devices	
e) Delégo 5" panel	EK-DEL-5PAN O EK-DEL-5PAN-P
f) Amazon Alexa - Google Home voice command support	
g) 30W streamer amplifier	EK-30S-AU
h) Streamer amplifier 50Wx2	EK-50S-AU
i) Streamer amplifier 80Wx2	EK-80S-AU
j) 50Wx8 streamer amplifier	EK-50Q-AU

Description	Code
k) IP66 wall-mount speakers	EK-SP30B2-AU O EK-SP30W2-AU
l) T series speakers	EK-T...
m) Subwoofers	EK-K-... O EK-Q5-... O EK-Q6-...
n) 2-way in-ceiling speakers	EK-SP525-AU
o) R series speakers	EK-R...
p) External amplifier box (not supplied by Ekinex)	
q) Q series speakers	EK-Q...
r) Omni/Iride series speakers	EK-OMNI-... O EK-IRIDE-...
s) BUS power supply	EK-AM1-TP



Streamer amplifier and loudspeaker connection with a TV in an Ekinex home automation system

Description	Code
a) Signum virtual button	EK-EV3-TP
b) FF series wall-mount device	EK-ED2-TP
c) Delégo Server	EK-DEL-SRV-BAS-200-TP
d) App Sentio/Delégo for mobile devices	
e) Delégo panel 5"	EK-DEL-5PAN o EK-DEL-5PAN-P
f) Amazon Alexa - Google Home voice command support	
g) Streamer amplifier 50Wx2	EK-50S-AU
h) Omni/Iride series speakers	EK-OMNI-... o EK-IRIDE-...
i) Subwoofer	EK-K-... o EK-Q5-... o EK-Q6-...
j) TV (not supplied by Ekinex)	
k) BUS power supply	EK-AM1-TP



Streamer amplifier and speaker connection with an external 100V amplifier in an Ekinex home automation system

Description	Code
a) Signum virtual button	EK-EV3-TP
b) FF series wall-mount device	EK-ED2-TP
c) Delégo Server	EK-DEL-SRV-BAS-200-TP
d) Sentio App for mobile devices	
e) Delégo 5" panel	EK-DEL-5PAN o EK-DEL-5PAN-P
f) Amazon Alexa - Google Home voice command support	
g) Streamer amplifier 50Wx2	EK-50S-AU
h) 100V external amplifier (not supplied by Ekinex)	EK-T-...
i) T series speakers	EK-T-...
j) Q series speakers	EK-Q-...
k) BUS Power Supply	EK-AM1-TP

Sentio

MULTIROOM AUDIO SYSTEM







A passion for design and music, materials, shapes, acoustic qualities and technology, this is the profile of Sentio. Streamer amplifiers, speakers, subwoofers available in different shapes and colours that can also be customised on request.

The Ekinex multi-room audio system is based on one or more amplifiers that receive the audio stream and transmit it directly to the speakers. Integration modes within the system (near or far from the speakers, playback of TV audio, etc.), single zone or multi-zone mode, and playback of different streaming music sources. Sentio offers easy-to-use audio streaming and speaker solutions with powerful, reliable and easy-to-integrate features. The range of speakers is completed with Ekinex models by Laboratorio Audio, a unique Italian company that has been involved in the high-end audio sector for 20 years.
Laboratorio Audio manufactures all the devices in-house, creating unique objects that will stand the test of time. Selected materials, craftsmanship, maniacal attention to detail, and pushed technology all contribute decisively to the birth of these speakers of pure avant-garde design, passing through an audio revolution to arrive at an absolutely innovative realisation.





Streamer Amplifier 30W

MULTIROOM AUDIO SYSTEM

Description

EK-30S-AU is a Ethernet, WiFi and Bluetooth 5.0 stereo amplifier. Connecting EK-30S-AU to your current home audio system will enable you to stream music from your smart device, USB, NAS or online streaming services such as Spotify and many more using our free to download SENTIO APP, Airplay or DLNA apps. By adding multiple units to your home audio system, you can setup a ethernet or wireless multiroom whole house audio system, it will give you new and great experience to enjoy your favorite music.

Main features

- Streaming music via network without distance limitation or Bluetooth5.0 up to 15 meters.
- Bluetooth for true high resolution music.
- Spotify connect, AirÈplay, Qplay, UPnP streaming protocols supported.
- Support streaming source from online services, smart device memory, USB pen drive, NAS, Bluetooth and line in.
- Multiroom and multizone streaming enabled by mutiple units connected in same network.
- All music sources can be restreamed in sync to other models from us.
- Airplay, Spotify Connect, Qplay, DLNA, UPnP protocol compatible.
- High quality music streaming support, sample rate decoding up to 24bit, 192kHz.
- Spotify, Tidal, Amazon Music, TuneIn, Internet Radio, lots of online streaming services integrated to use in the app.
- Free iOS and Android app available.
- Free global online update for new features.
- Full function remote controller to use without mobile device. Line input for more possible external audio input.
- EQ adjustment via app or remote controller.
- Preset playlist available for quick access, shortcut pushbuttons on remote controller for quick access.
- iTunes working with PC streaming.

Technical data

- Wireless network: IEEE802.11 b/g/n 2.4G
- Ethernet: Single 10/100M RJ45
- Bluetooth: 5.0
- USB Host: Play USB music
- Micro USB: Connect PC as external DAC
- Power Input: 18V/4A
- Audio Input: 3.5mm Line in
- Frequency response: 20Hz to 20kHz
- Speaker Power: 2x35W@4Ω load at 18V, 2x18W@8Ω load at 18V
- THD+N: 0,03% a 1kHz
- Speaker Impedance: 4-8ohms
- Music Format: FLAC/MP3/AAC/AAC+/ALAC/APE/WAV
- Decoding: Up to 24bit/192kHz
- Protocols: AirPlay, DLNA, UPnP, Spotify Connect
- Dimensions: 131,8 mm*85,5 mm*27 mm (5.18in*3.37in*1.06in)
- Weight: 0,35 kg (0,77 lb)

Delivery

Delivery includes a remote control for controlling the main functions



Order information

Code	Package
EK-30S-AU	1 pcs.

Configuration and commissioning

Installation, electrical connection, configuration and commissioning of the device can only be carried out by qualified personnel. Opening the housing of the device causes the immediate end of the warranty period.

Documentation

For more information see the technical documentation, download from **www.ekinex.com**



Streamer amplifier 50Wx2

MULTIROOM AUDIO SYSTEM

Description

EK-50S-AU is a WiFi and Bluetooth 5.0 stereo amplifier. Adding EK-50S-AU to your current stereo system will enable you to stream music from your smart device, USB, NAS or streaming services, such as Spotify, Tidal, Deezer, Qobuz, Amazon Music and others by 4STREAM App, AirPlay2, Bluetooth or other DLNA apps. Adding more units to your home audio system can set up a wireless multiroom or multizone whole house audio system, it will give you totally new and great experience to play and enjoy your music.

Main features

- 50Wx2CH@4ohm, 30Wx2CH@8ohm full digital amplifier.
- Streaming music via network without distance limitation or Bluetooth5.0 up to 15 meters.
- Bluetooth for true high resolution music.
- Spotify connect, Tidal connect, Airplay2, Qplay, DLNA, UPnP streaming protocols supported.
- Support streaming audio source from online services, mobile phones & pads, USB disk drive, NAS, Bluetooth, Line input and Optical input.
- Multiroom and multizone streaming enabled by mutiple units connected in same network.
- All music sources can be restreamed in sync to other models from us.
- High quality music streaming support, sample rate decoding up to 24bit, 192kHz.
- Sportify, Deezer, Tidal, Qobuz, Amazon Music, Napster, Pandora, Internet Radio, iHeartRadio, TuneIn, QQMusic, lots of online streaming services integrated to use in the app.
- Free iOS and Android app available.
- Free global online update for new features.
- Full functional remote controller to use without mobile devices.
- Line input and Optical input for more external audio input.
- EQ adjustment via app or remote controller.
- Preset playlist is availble and short pushbuttons on remote controller for one button play.
- iTunes working with PC streaming.

Technical data

- Wireless network: IEEE802.11 b/g/n 2.4G/5G
- LAN: 10/100M RJ45
- Bluetooth: 5.0
- USB Host: Play USB Music
- USB Type-C: Connect to PC
- Power Input: 24V/4,16A
- Audio Input: Line in (RCA), Optical in, USB Host, USB Type-C (USB DAC)
- Audio Output: Speaker out, Line out (RCA), Subwoofer out (for active subwoofer)
- Speaker Power: 4 ohm 50Wx2 8 ohm 30Wx2
- Speaker Impedance: 4-8 ohm
- Audio Format: MP3/AAC/AAC+/ALAC/APE/WAV/FLAC
- Audio Decoding: Up to 24bit/192KHz
- Dimension: 185 x 155 x 50 mm

Delivery

Delivery includes a remote control for controlling the main functions



Order information

Code	Package
EK-50S-AU	1 pcs.

Configuration and commissioning

Installation, electrical connection, configuration and commissioning of the device can only be carried out by qualified personnel. Opening the housing of the device causes the immediate end of the warranty period.

Documentation

For more information see the technical documentation, download from **www.ekinex.com**



Streamer amplifier 80Wx2

MULTIROOM AUDIO SYSTEM

Description

EK-80S-AU is a WiFi and Bluetooth 5.0 stereo amplifier. Adding EK-80S-AU to your current stereo system will enable you to stream music from your smart device, USB, NAS or streaming services, such as Spotify, Tidal, Deezer, Qobuz, Amazon Music and others by 4STREAM App, AirPlay2, Bluetooth or other DLNA apps. Adding more units to your home audio system can set up a wireless multiroom or multizone whole house audio system, it will give you totally new and great experience to play and enjoy your music.

Main features

- 80Wx2CH@4ohm, 50Wx2CH@8ohm full digital amplifier.
- Streaming music via network without distance limitation or Bluetooth5.0 up to 15 meters.
- Bluetooth for true high resolution music.
- Spotify connect, Tidal connect, Airplay2, Qplay, DLNA, UPnP streaming protocols supported.
- Support streaming audio source from online services, mobile phones & pads, USB disk drive, NAS, Bluetooth, Line input and Optical input.
- Multiroom and multizone streaming enabled by mutiple units connected in same network.
- All music sources can be restreamed in sync to other models from us.
- High quality music streaming support, sample rate decoding up to 24bit, 192kHz.
- Sportify, Deezer, Tidal, Qobuz, Amazon Music, Napster, Pandora, Internet Radio, iHeartRadio, TuneIn, QQMusic, lots of online streaming services integrated to use in the app.
- Free iOS and Android app available.
- Free global online update for new features.
- Full functional remote controller to use without mobile devices.
- Line input and Optical input for more external audio input.
- EQ adjustment via app or remote controller.
- Preset playlist is availble and short pushbuttons on remote controller for one button play.
- iTunes working with PC streaming.

Technical data

- Wireless network: IEEE802.11 b/g/n 2.4G/5G
- LAN: 10/100M RJ45
- Bluetooth: 5.0
- USB Host: Play USB Music
- USB Type-C: Connect to PC
- Power Input: 24V/4,16A
- Audio Input: Line in (RCA), Optical in, USB Host, USB Type-C (USB DAC)
- Audio Output: Speaker out, Line out (RCA), Subwoofer out (for active subwoofer)
- Speaker Power: 4ohm 80Wx2 8ohm 50Wx2
- Speaker Impedance: 4-8 ohm
- Audio Format: MP3/AAC/AAC+/ALAC/APE/WAV/FLAC
- Audio Decoding: Up to 24bit/192KHz
- Dimension: 185 x 155 x 50 mm

Delivery

Delivery includes a remote control for controlling the main functions



Order information

Code	Package
EK-80S-AU	1 pcs.

Configuration and commissioning

Installation, electrical connection, configuration and commissioning of the device can only be carried out by qualified personnel. Opening the housing of the device causes the immediate end of the warranty period.

Documentation

For more information see the technical documentation, download from **www.ekinex.com**



Streaming amplifier 50Wx8

MULTIROOM AUDIO SYSTEM

Description

EK-50Q-AU is a multi-room system that enables you to enjoy your favorite music anywhere in your home. EK-50Q-AU contains 4 audio amplifiers for you to connect to 4 set of stereo speakers. Each zone also contains analogue and digital audio outputs for you to use as audio source. You can easily play music from online music services, your phone storage, NAS and other sources by using the 4Stream app on your iOS or Android device.

Main features

- **Amplification:** Each zone can provide 50Wx2@8ohms (stereo mode) or 100W@4ohms (bridge mode).
- **Multi-room audio function:** Play different songs in different rooms or same song in every room.
- **Easy network setup:** Connect to your home network and it is ready to use.
- Rich I/O interface: Each zone has separate digital input/output and analogue input/output. There is also a master source input that all zones can used at the same time.

System Requirements

- **High Speed Internet Connection:** EK-50Q-AU needs internet connection to stream music from online music services and to get online firmware updates. You may experience performance issues with slower internet connections.
- **Wireless Router:** In order to use EK-50Q-AU, you will need to have a working Wi-Fi network in your home, since the control APP on your mobile device need to be in the same network as the streamer.

Delivery

Delivery includes a remote control for controlling the main functions



Order information

Code	Package
EK-50Q-AU	1 pcs.

Configuration and commissioning

Installation, electrical connection, configuration and commissioning of the device can only be carried out by qualified personnel. Opening the housing of the device causes the immediate end of the warranty period.

Documentation

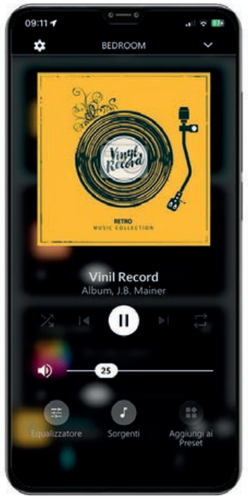
For more information see the technical documentation, download from **www.ekinex.com**



SENTIO APP CONFIGURATION

Adding devices

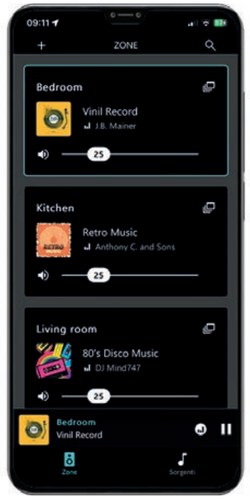
The Sentio app allows new audio zones to be added to the system very easily, through a wizard accessible directly from the main screen.



SENTIO APP CONFIGURATION

Zone player

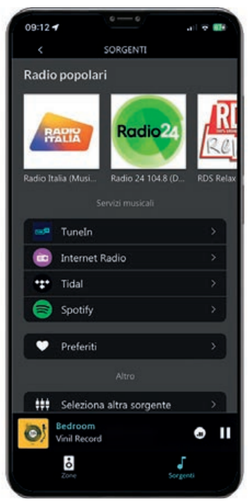
By pressing on the name of a zone, in addition to the basic controls already available on the main screen, it is possible to have full control over playback, switching to the next track, or adjusting the scrolling mode between the contents of the current playlist (random play or repeat).



SENTIO APP CONFIGURATION

Zone management

The app's main screen allows you to control all the zones of the sound system at a glance. By selecting a zone, you can know what content is playing, adjust the volume, and easily control playback.



SENTIO APP CONFIGURATION

Source selection

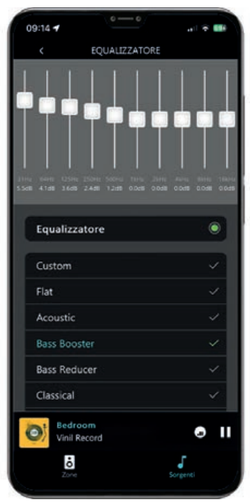
It is possible at any time to quickly change the music source for a zone, or a group of zones, by pressing the SOURCE symbol in the toolbar at the bottom. Music can be played from a local source connected to the device, or from a streaming service accessible via a Wi-Fi network.



SENTIO APP CONFIGURATION

Zone groupship

By pressing the grouping symbol on a zone, you can easily connect other devices to play the same music source simultaneously in several rooms. By repeating the same operation, it is possible to change the composition of the zone group, or return to independent operation of each device.



SENTIO APP CONFIGURATION

Equaliser

The Equaliser screen allows you to adjust the amplitude of the different sound frequencies in an audio signal. It is possible to modify the frequency response of an audio system to suit the listener's preferences or the acoustic characteristics of the room.



Wall-mounted speaker IP66 (pair)- black/white

MULTIROOM AUDIO SYSTEM

Description

The Ekinex Home Audio Speaker EK-SP30.2-AU offers a unique combination of sleek ascetic design and high performance sound quality, Its small footprint allows for easy system integration without compromising on sound quality or performance IP66 Weather Resistant rating allows for Indoor/Outdoor applications making it one of the most versatile Home/Commercial Audio speakers available.

Main features

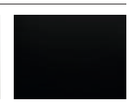
- When the speakers are installed on the walls, ensure the wall structure is reliable and that the speakers are firmly attached.
- Install the speaker in a location that can structurally support the weight of the speaker and its mounting hardware. otherwise it may result in the unit falling down and causing personal injury.
- Do not use nails, adhesives or other unauthorized devices long-term use and vibrations may cause it to fall easily.
- Do not touch or bump the woofer and tweeter. If these are damaged, the sound will be distorted.
- Lower the volume of the device and source unit when changing the input source. (i.e. To tune fm / cd).
- Turn off the device and source unit when installing or removing cables.

Specifications

- Recommended amplification: 40 Watts
- Frequency response: 120Hz - 20KHz
- SPL 1W/1m: 88 dB
- Impedance: 8 ohm
- Frequency range: Extended
- Woofer: 2.5" (64mm)
- Woofer cone material: Paper
- Grille material: Fabric
- Dispersion angle: 120°
- Mounting system: Rotation/tilt bracket (included)
- Housing material: Reinforced ABS plastic
- IP weather rating: IP66
- Height: 94 mm
- Depth: 108 mm
- Width: 82 mm
- Product net weight (kg): 0,48
- Colour: RAL9011 (BL)

FRAME FINISHES

ABS White (RAL 9016)

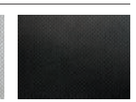


ABS Black (RAL 9011)

FABRIC FINISHES



BI White



NE Black

Order information

Code	Colour	Pack
EK-SP30B2-AU	BLACK (RAL9011)	2 pcs.
EK-SP30W2-AU	WHITE (RAL9016)	2 pcs.

Documentation

For more information see the technical documentation, download from www.ekin**ex.com**

EK-SP30B2-AU EK-SP30W2-AU



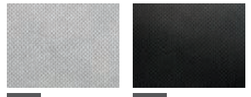
2-way full-range in-ceiling speaker

MULTIROOM AUDIO SYSTEM

Description
The EK-SP525-AU Loudspeaker offers excellent sound quality with transparent highs, clear and clean vocals, and deep bass. It is also very easy to install, ideal for commercial use and home theater systems.

Main features
- Recommended amplification: 60 Watts
- Frequency Response: 70Hz - 20KHz
- SPL 1W/1m: 89 dB
- Impedance: 8 ohm
- Frequency range: Extended
- Tweeter: Orientable 1.5" aluminium
- Woofer: 5.25" Glass Fibre Adjustable
- Woofer cone material: Glass Fibre
- Grille material: Paintable Metal
- Dispersion angle: 120°
- Mounting system: Plasterboard Recessed
- Grille diameter: 205 mm
- Hole diameter: 175 mm
- Depth: 110 mm
- Colour: RAL9016 (W)

FABRIC FINISHES



BI White

NE Black

Order information

Code	Pack
EK-SP525-AU	1 pcs.

Documentation

For more information see the technical documentation, download from www.ekinex.com





Speaker Q series

MULTIROOM AUDIO SYSTEM
Ekinex by laboratorioaudio

Description
Small, modern, minimalist, with acoustic and technological content of high quality. A nice project.

Q10
Wall version or in-wall version, Q10 is the smallest speaker manufactured. This is not a reason to understimate it,and in fact it boasts a warm a compact sound. It suits a variety of uses both outdoor and indoor.

Q15
Almost invisible, Q15 can be in-wall, book-shelves/to be leant, or on wall.The aesthetic result meets the expectations of the most rigorous needs. Sound and design are the best marks of this small objet, bringing sound to any rooms without being noticed, but it can involve the listeners so much.

Q20
Q20 has been designed to be used in every type of furniture and environment, it can be wall, book-shelves, or to be leant version, or bipolar "flag mode" version, suitable to sound offices, museums, bars, etc.

Purist design, very good minimalist finishing (polished or anodized aluminium, bright black or bright white painted).

Prefix	Series	Installation		Variant			Frame Colour				Fabric Colour			Description	Dimension
				HT	ST	R	100V	LN	LB	ASA	ASN	BI	NE	SA		WxHxD (mm)
EK	Q10	CG	Plasterboard	-	-	-	-	-	-	-	-	•	•	•	Plasterboard built-in Speaker, 50W, 80-16KHz	100x100x53
	Q15	CG	Plasterboard	•	•	•	•	-	-	-	-	•	•	•	Plasterboard built-in speaker, 50W, 60-21KHz	150x150x70
		M	Masonry	•	•		•	-	-	-	-	•	•	•	Masonry built-in speaker, 50W, 65-20KHz	150x150x70
		W	Wall	-	-	-	-	•	•	•	•	•	•	•	Wall mount speaker, 50W, 60-21KHz	150x150x70
		K	Surface	-	-	-	-	•	•	•	•	•	•	•	Surface mount speaker, 50W, 50-21KHz	150x150x74
	Q20	W	Wall	-	-	-	-	•	•	•	•	•	•	•	Wall mount speaker, 65W, 50-21KHz	200x200x61
		K	Surface	-	-	-	-	•	•	•	•	•	•	•	Surface mount speaker, 65W, 50-21KHz	200x200x61

(HT) High performance version - (ST) Stereo version - (R) Lowered version - (100V) 100V transformer version

FRAME FINISHES

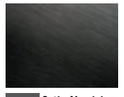
LB White Lacquer



LN Black Lacquer



ASA Satin Aluminium



ASN Satin Aluminium Black

FABRIC FINISHES



BI White



NE Black



SA Sand

Encoding example

EK	Q15	W	LB	BI
Prefix	Series	Installation	Frame Colour	Fabric Colour

Documentation

For more information see the technical documentation, download from www.ekinex.com





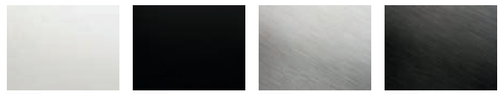
Speaker R series

MULTIROOM AUDIO SYSTEM
Ekinex by laboratorioaudio

Description
To relive the fantastic design of the '60s with contemporary technological solutions. Deriving from the consolidated series Q20, it differs from it having softer lines with rounded edges, reminding of the beautiful '60s, while maintaining excellent performance. Available in the same finishings as the Q20. Series R20K: designed to impress and satisfy an expert audience, using advanced technology, with a refined and sober design. They reproduce the entire audio range, up to lower frequencies, with a soundstage and a deep sound image without compromises.

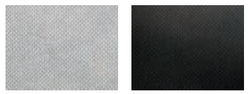
Prefix	Series	Installation		Frame Colour				Fabric Colour		Description	Dimension
				LN	LB	ASA	ASN	BI	NE		WxHxD (mm)
EK	R20	W	Wall	•	•	•	•	•	•	Wall mount speaker, 65W, 50-21KHz	200x200x65
		K	Surface	•	•	•	•	•	•	Surface mount speaker, 80W, 45-21KHz	200x200x200

FRAME FINISHES



LB White Lacquer | LN Black Lacquer | ASA Satin Aluminium | ASN Satin Aluminium Black

FABRIC FINISHES



BI White | NE Black

Encoding example

EK	R20	K	LB	BI
Prefix	Series	Installation	Frame Colour	Fabric Colour

Documentation
For more information see the technical documentation, download from www.ekinex.com



Speaker T series

MULTIROOM AUDIO SYSTEM
Ekinex by laboratorioaudio

Description
Designed in various versions, to meet the need for soundproofing rooms from the ceiling while maintaining a remarkable aesthetic cleanliness. Minimalist in appearance but geBlackus in sound, the T13 in models 13, 13S is made in satin and mirror polished aluminium, or in lacquered finishes. It is also available in a wall-mounted version in model T18CG for plasterboard.

Prefix	Series	Installation		Variant	Frame Colour			Fabric Colour			Description	Dimension
				100V	LB	LA	ASA	BI	NE	SA		ØxP (mm)
EK	T13	W	Wall	•	•	•	•	•	•	-	Wall/Ceiling mount speaker, 50W, 80-20KHz	130x132
	T13S	W	Wall	-	•	•	•	•	•	-	Wall/Ceiling mount speaker, 50W, 80-20KHz	130x89
	T18	CG	Plasterboard	•	-	-	-	•	•	•	Plasterboard built-in speaker, 50W, 60-21KHz	180x70

(100V) 100V transformer version

FRAME FINISHES



LB White Lacquer | LN Anthracite Lacquer | ASA Satin Aluminium

FABRIC FINISHES



BI White | NE Black | SA Sand

Encoding example

EK	T13	W	LB	BI
Prefix	Series	Installation	Frame Colour	Fabric Colour

Documentation
For more information see the technical documentation, download from www.ekinex.com



Speaker Omni/Iride

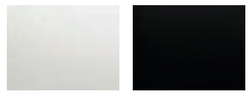
MULTIROOM AUDIO SYSTEM
Ekinex by laboratorioaudio

Description
Original and efficacious, it reproduces high quality sound all around at 360°. It has different fixing solutions basing on where it is used, indoor or outdoor. Outside it can voice a circular area with minimum radius of about 10mt, in normal conditions, and in the version IRIDE, it is equipped with a LED lighting device. Designed by Claudio Niorettini, it is available in RAL colours or polished aluminium.

Prefix	Series	Installation		Variant	Frame Colour		Description	Dimension
				100V	LB	LA		ØxH (mm)
EK	OMNI	K	Masonry	•	•	•	Surface mount speaker, 75W, 55-20KHz	130x1000
	IRIDE	K	Masonry	•	•	•	Surface mount speaker + LED lighting, 75W, 55-20KHz	130x1000

(100V) 100V transformer version

FRAME FINISHES



LB White Lacquer

LN Black Lacquer

Encoding example

EK	OMNI	K	LB
Prefix	Series	Installation	Frame Colour

Documentation
For more information see the technical documentation, download from www.ekinex.com





Sub

MULTIROOM AUDIO SYSTEM
Ekinex by laboratorioaudio

Description
Small, compact, simply minimal, these are our instruments to reproduce the lowest frequencies. They can sound great environment, thanks to their double volume tuned system and passive radiators, and can reach great acoustic volumes, by articulating to the lowest octaves of the audio range.

Prefix	Series	Installation		Frame Colour		Fabric Colour		Description	Dimension
				LN	LB	BI	NE		WxHxD (mm)
EK	K27SUB	K	Surface	•	•	-	-	Amplified floor-standing subwoofer 150W, 38-100Hz	270x270x290
	K35SUB	K	Surface	•	•	-	-	Amplified floor-standing subwoofer 150W, 28-100Hz	350x350x370
	Q5.5SUB	M	Masonry	-	-	•	•	Built-in subwoofer (brick), passive, 100W, 40-150Hz	303x303x125
	Q6.6SUB	M	Masonry	-	-	•	•	Built-in subwoofer (brick), passive, 130W, 35-120Hz	303x303x125

FRAME FINISHES

LB White Lacquer



LN Black Lacquer

FABRIC FINISHES



BI White



NE Black

Encoding example

EK	K27SUB	K	LB
Prefix	Series	Installation	Frame Colour

Documentation
For more information see the technical documentation, download from www.ekinex.com



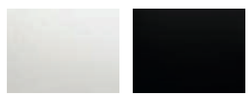
Speaker Modulor

MULTIROOM AUDIO SYSTEM
Ekinex by laboratorioaudio

Description
The Modulor line comprises floor-standing or wall-mounted speakers with a minimalist design. Streamlined and meticulously detailed, they are available in 105 cm, 80 cm and 65 cm modules, lacquered only 6.6 cm thick and 15 cm wide. Laboratorio Audio's Modulor speakers offer a stage reconstruction that is absolutely faithful to the musical recording, with a level of sound reproduction of the highest order that is able to give emotions equal to those of live performances. Modulor speakers are also available in three-channel and subwoofer versions in various sizes and can be customised in any RAL colour on request.

Code	Numbers of ways	Rated power (W)	Frequency (Hz)	Sensivity (dB)	Colour LN	Colour LB	Description	Dimension WxHxD (mm)
EK-M35W-..	2	65W	70-21KHZ	87 dB	•	•	2-way wall-mount speaker	150x350x66
EK-M65W-..	2	125W	50-21KHZ	88 dB	•	•	2-way wall-mount speaker	150x650x66
EK-M105W-..	2	125W	40-21KHZ	88 dB	•	•	2-way wall-mount speaker	150x1050x66
EK-M123W-..	2	125W	40-21KHZ	88 dB	•	•	2-way wall-mount speaker	150x1230x66
EK-M145W-..	2	125W	40-21KHZ	88 dB	•	•	2-way wall-mount speaker	150x1450x66
EK-M65W-ST-..	2 x 2 canali	125W x 2	50-21KHZ	88 dB	•	•	2-way wall-mount speaker for 2 stereo channels	150x650x66
EK-M105W-ST-..	2 x 2 canali	125W x 2	40-21KHZ	88 dB	•	•	2-way wall-mount speaker for 2 stereo channels	150x1050x66
EK-M123W-ST-..	2 x 2 canali	125W x 2	40-21KHZ	88 dB	•	•	2-way wall-mount speaker for 2 stereo channels	150x1230x66
EK-M145W-ST-..	2 x 2 canali	125W x 2	40-21KHZ	88 dB	•	•	2-way wall-mount speaker for 2 stereo channels	150x1450x66
EK-M105W-TRI-..	2 x 3 canali	125W x 3	40-21KHZ	88 dB	•	•	2-way wall-mount speaker for 3 channels	150x1050x66
EK-M123W-TRI-..	2 x 3 canali	125W x 3	40-21KHZ	88 dB	•	•	2-way wall-mount speaker for 3 channels	150x1230x66
EK-M145W-TRI-..	2 x 3 canali	125W x 3	40-21KHZ	88 dB	•	•	2-way wall-mount speaker for 3 channels	150x1450x66
EK-M160W-TRI-..	2 x 3 canali	125W x 3	40-21KHZ	88 dB	•	•	2-way wall-mount speaker for 3 channels	150x1600x66
EK-M172W-TRI-..	2 x 3 canali	125W x 3	40-21KHZ	88 dB	•	•	2-way wall-mount speaker for 3 channels	150x1720x66
EK-M105W-SUB-..	1 subwoofer	100W	40-200HZ	87 dB	•	•	Passive subwoofer	150x1050x66
EK-M123W-SUB-..	1 subwoofer	100W	40-200HZ	87 dB	•	•	Passive subwoofer	150x1230x66

FRAME FINISHES



LB White Lacquer

LN Black Lacquer

Documentation
For more information see the technical documentation, download from www.ekinex.com



KNX-Sentio Gateway

MULTIROOM AUDIO SYSTEM

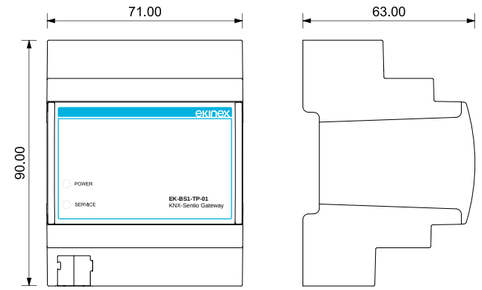
Description
The KNX-Sentio Gateway allows one or more multi-room audio devices from the SENTIO range to be integrated with KNX technology, acting as an interface to other KNX devices. The KNX-Sentio Gateway automatically detects the zones of the audio system in the network, and allows for each of them, a set of KNX group addresses to receive status information on the bus and send the following commands:

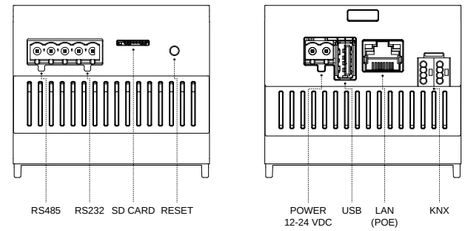
Main features
- Volume adjustment (both via percentage and increase/decrease commands)
- Highs and lows (both via percentage and increase/decrease commands)
- Play/Pause
- Mute
- Previous/next track advancement
- Setting Repeat and/or Random Play
- Preset / source selection (either by direct selection or by previous / next scrolling)

Information about the artist and the track being played is also sent on the KNX bus. The KNX-Sentio Gateway is particularly suitable for operating the Sentio system from Signum control panels, via their audio control page.

Technical data
- 12-24 Vdc power supply (absorption 240 mA at 12 Vdc) by means of a special plug-in terminal supplied. Power supply not included
- KNX TP bus (twisted pair) via red-black terminal provided
- 1 Ethernet port via cat. 5 or higher cable and standard RJ45 connector
- 2 frontal LEDs: POWER LED for signalling the presence of power supply; SERVICE LED for signalling particular operations in progress.
- 1 RESET button housed under the front cover on the back of the vertical card
- 1 RS485 port: not used
- 1 USB 2.0 port: not used

Dimensions [mm]





Order information

Code	Application	Package
EK-BS1-TP-01	KNX Integration and Sentio Multiroom Audio System	1 pcs.

Documentation
For more information see the technical documentation, download from **www.ekinex.com**

INVISIBLE PLAYER

Acoustic energy transmitters 426
POWER 1 amplifier 430
Accessories 431



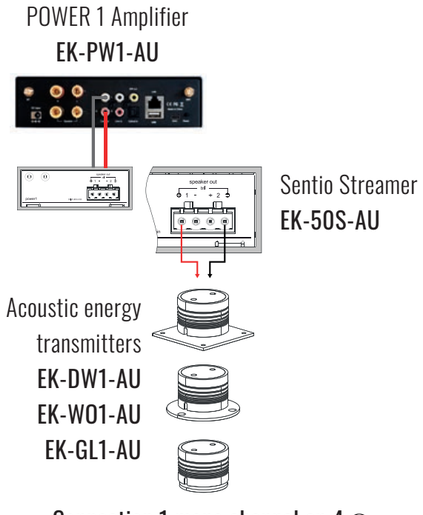
Invisible Player

MULTIROOM AUDIO SYSTEM

Invisible Player transforms the walls of your home or office into powerful sound diffusers. Thanks to its revolutionary acoustic technology, every surface becomes an instrument that vibrates and spreads music, creating an enveloping and unique sound experience.

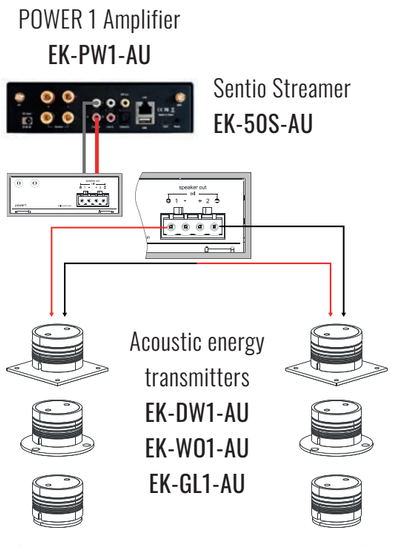
No longer just speakers: it is your environment that plays, creating spaces that interact with you in surprising ways. Let yourself be enveloped by sound like never before and discover a new way of experiencing audio.

Invisible Player connection diagram (DRYWALL, WOOD, GLASS) with Sentio Streamer

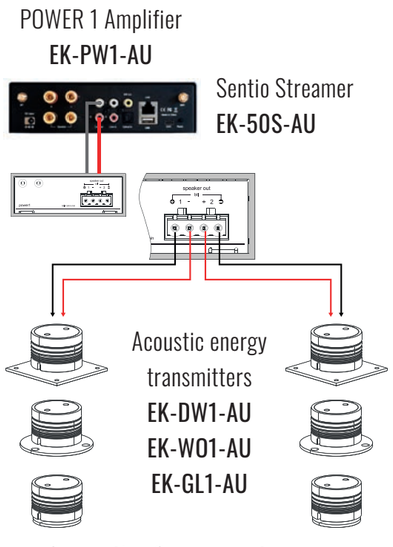


RCA Cables
Audio Cables

Connection 1 mono channel on 4 Ω.
Single transmitter applied power: 200 W

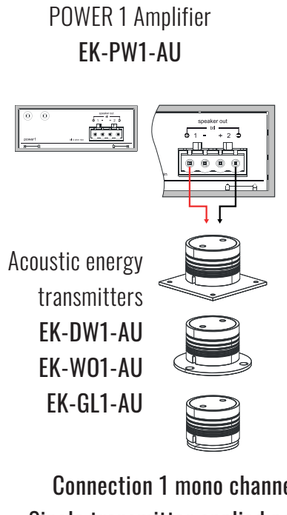


Series connection 1 mono channel on 8 Ω.
Single transmitter applied power: 80 W



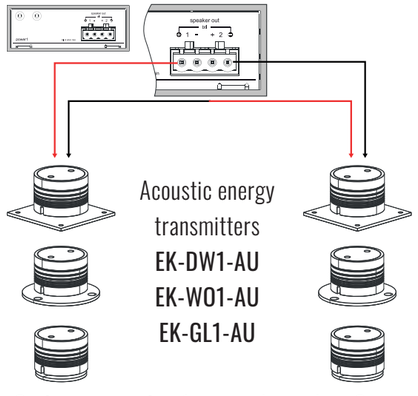
Connection 2-channel stereo on 4 Ω.
Single transmitter applied power: 80 W

Invisible Player connection diagram (DRYWALL, WOOD, GLASS)

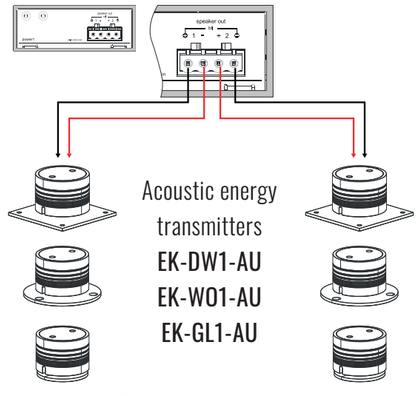


RCA Cables
Audio Cables

Connection 1 mono channel on 4 Ω.
Single transmitter applied power: 200 W



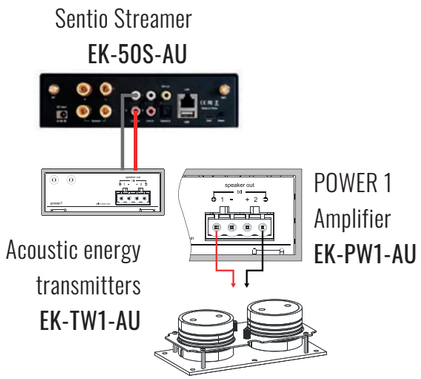
Series connection 1 mono channel on 8 Ω.
Single transmitter applied power: 80 W



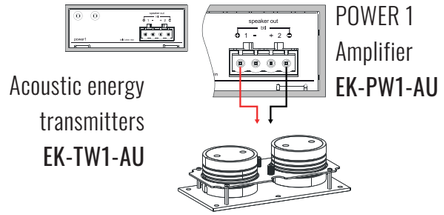
Connection 2-channel stereo on 4 Ω.
Single transmitter applied power: 80 W

Connection Diagram Invisible Player (TWIN)

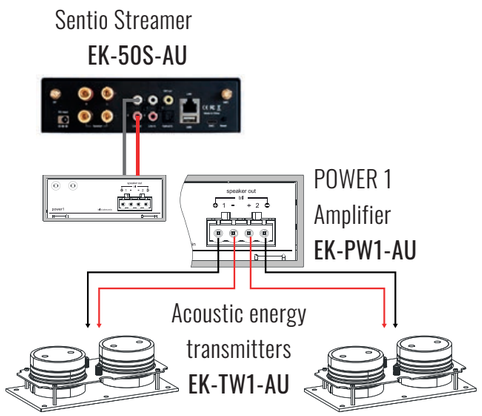
RCA Cables
Audio Cables



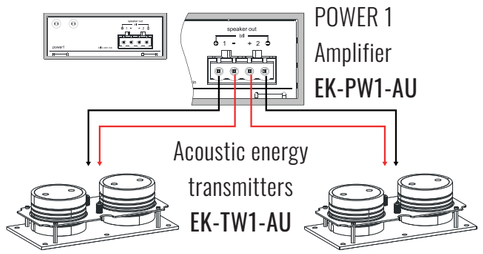
Connection 1 mono channel on 4 Ω.
Single transmitter applied power: 200 W



Connection 1 mono channel on 4 Ω.
Single transmitter applied power: 200 W



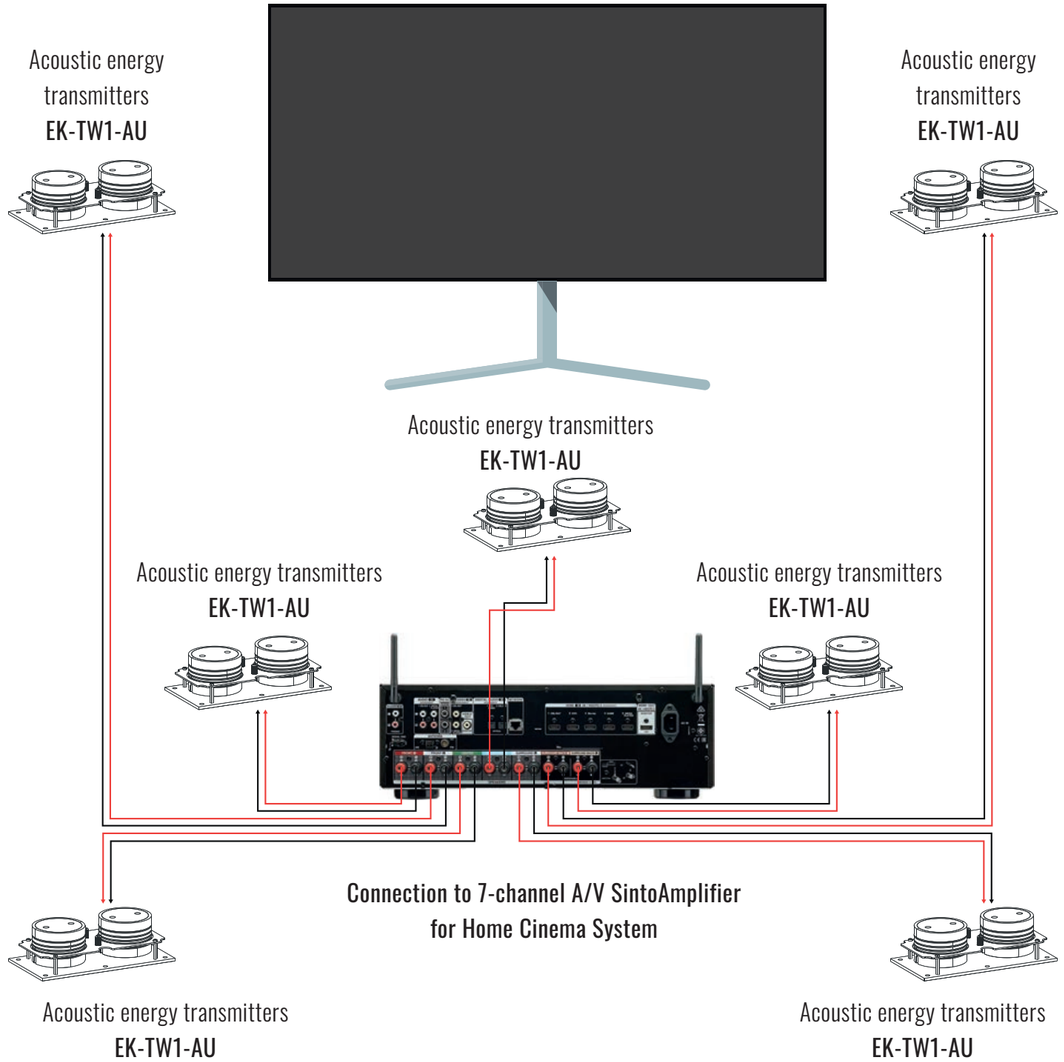
Connection 2-channel stereo on 4 Ω.
Single transmitter applied power: 80 W



Connection 2-channel stereo on 4 Ω.
Single transmitter applied power: 80 W

Home Cinema Connection Diagram Invisible Player (TWIN)

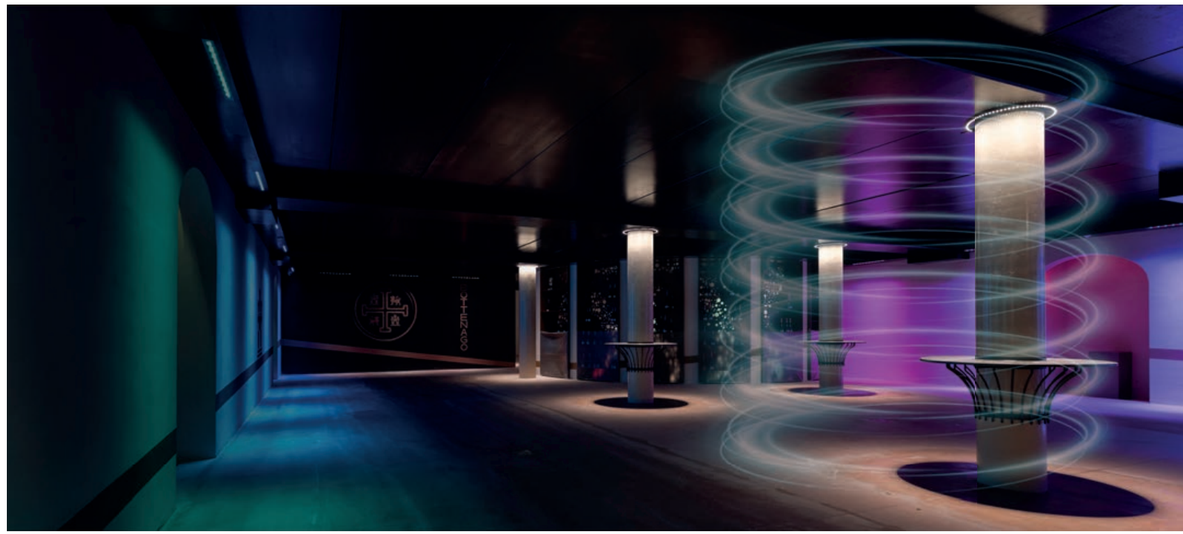
Audio Cables



Connection to 7-channel A/V SintoAmplifier
for Home Cinema System

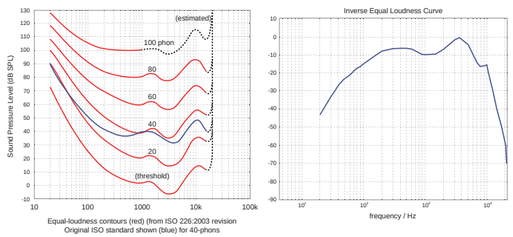
A new way of experiencing and perceiving sound

INVISIBLE PLAYER



In the graph on the bottom left, we can observe the sensitivity of the human ear to different frequencies when the volume is low: the highest and lowest tones are less perceptible, while the middle frequencies are more easily heard.

To the right is the curve that inspired the frequency response of the Acoustic energy transmitters. This innovative system acts as a 'physiological volume compensator', automatically adapting the sound to ensure balanced and natural listening at any volume level, making every acoustic detail perfectly perceptible and improving listening comfort.



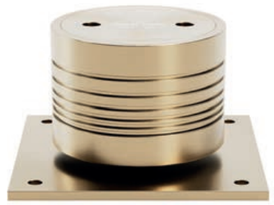
Invisible Player redefines the sound experience by transforming surfaces made of plasterboard, wood, Plexiglas, glass, e-bond, metal and many other materials into extraordinary acoustic speakers. Thanks to advanced technology, **it creates a flat, directive and homogenous sound wave**, covering a wide frequency spectrum (40 to 16,000 Hz depending on the material), with limited angular dispersion. The result? **A sound that remains perfectly in phase in every corner of the room**, offering a listening experience that is uniform and perfectly tuned to the sensitivity of the human ear.

Unlike conventional audio systems, where the sound changes drastically depending on the listener's position, Invisible Player **guarantees constant volume and clear sound wherever you are**. Whether you are close to the sound source or at the opposite end of the room, the quality remains impeccable, eliminating those annoying inconveniences of excessive volume or unclear sound.

Perfect for complex environments such as offices, museums, meeting rooms, churches and shops, Invisible Player delivers smooth, intelligible sound, even at low power, **guaranteeing superior listening comfort**. Its versatility also makes it ideal for unexpected applications: it can be integrated into furniture such as kitchens, wardrobes, armchairs, mirrors, saunas and even swimming pools, transforming the objects themselves into sound speakers.

Invisible DRYWALL

INVISIBLE PLAYER



Description

Invisible DRYWALL is a top-quality acoustic energy transmitter designed to deliver outstanding performance and invisible sound transmission. Made from premium materials such as AW 6082 aluminum, chosen for its balance of precision, wear resistance through anodizing, and excellent heat dissipation, it ensures durability and reliability. Four internal nylon and steel suspensions ensure stability and flexibility over time, while triple thermal and electrical protection inside prevents failures, increasing operational safety.

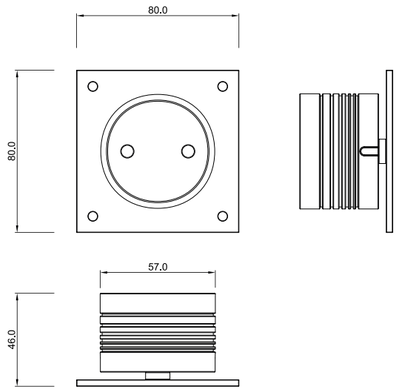
Optimized for installation on walls or plasterboard ceilings up to 16mm thick, Invisible DRYWALL covers up to 80 square meters per single transmitter. For installations on vertical walls, the EK-VFX-AU accessory (purchased separately) provides fixation and durability while maintaining the necessary elasticity.

The completely invisible installation matches perfectly with the EK-PW1-AU amplifier, specifically designed to maximize system performance.

Main features

- Impedance: 4 Ω
- Frequency response: 40 - 14,000 hz nominal
- Maximum power: 120 w
- Maximum power - RMS: 40 w
- Height: 46 mm
- Diameter: 57 mm
- Square contact plate: 80 mm per side
- Weight: 330 g
- Color: Light bronze

Dimensions [mm]



Order information

Code	Application	Pack
EK-DW1-AU	KNX Integration and Sentio Multiroom Audio System	1 pz.

Configuration and commissioning

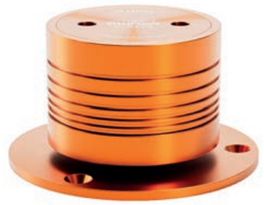
For proper installation, plan to use special adhesive EK-3M77-AU.

Documentation

For more information see the technical documentation, download from **www.ekinex.com**

Invisible WOOD

INVISIBLE PLAYER



Description

Invisible WOOD is an acoustic energy transmitter made from the highest quality materials. The AW 6082 aluminum body provides the best compromise between precision machining, anodization to prevent degradation over time, and effective heat dissipation. The four internal suspensions, made of nylon and steel, contribute to its durability and strength, while the triple internal protection, both thermal and electrical, prevents failures.

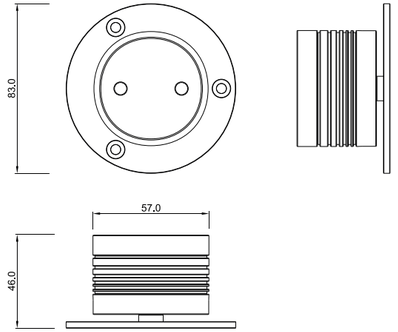
Invisible WOOD is designed and optimized for excellent performance on wood surfaces with thicknesses between 18 mm and 25 mm, depending on the type of wood. However, it is not suitable for ground- or wall-anchored surfaces, such as parquet or solid glued siding. A small back gap, even a few millimeters, is required for proper operation.

Invisible WOOD can also be installed on other materials such as E-bond, T-bond, plexiglass, lexan and fiberglass, with a maximum thickness of 12 mm. For optimal performance, we recommend pairing it with the EK-PW1-AU amplifier, designed specifically for its characteristics.

Main features

- Impedance: 4 Ω
- Frequency response: 40 - 14,000 hz nominal
- Maximum power: 120 w
- Maximum power - RMS: 40 w
- Height: 46 mm
- Diameter: 57 mm
- Contact plate diameter: 83 mm
- Weight: 310 g
- Color: Orange

Dimensions [mm]



Order information

Code	Application	Pack
EK-WO1-AU	KNX Integration and Sentio Multiroom Audio System	1 pz.

Configuration and commissioning

For proper installation, plan to use special adhesive EK-3M77-AU.

Documentation

For more information see the technical documentation, download from **www.ekinex.com**

Invisible GLASS

INVISIBLE PLAYER



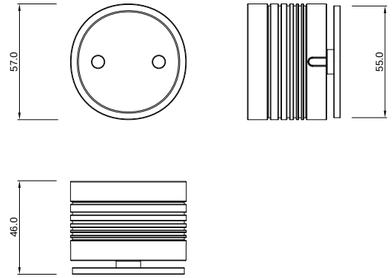
Description

Invisible GLASS is an acoustic energy transmitter made from the highest quality materials, designed to deliver excellent audio performance on glass surfaces. The AW 6082 aluminum body provides the perfect balance of precision workmanship, anodization for durability, and optimal heat dissipation. Internal nylon and steel suspensions, combined with triple thermal and electrical protection, ensure long life and protection against failure. Invisible GLASS is specially designed to transmit sound through glass walls, making store or business windows capable of emitting music or promotional messages both inside and outside the premises. In addition to glass, Invisible GLASS can be installed on non-porous materials such as E-bond, T-bond, plexiglass, lexan and fiberglass, with a maximum thickness of 12 mm. For a perfect installation, the EK-CGL-AU Coverglass accessory (not included) is available, which allows Invisible GLASS to be fixed at the right distance from the edge of the display case and hide the cable elegantly and discreetly. For maximum performance, we recommend combining Invisible GLASS with the specially designed EK-PW1-AU amplifier.

Main features

- Impedance: 4 Ω
- Frequency response: 40 - 14,000 hz nominal
- Maximum power: 120 w
- Maximum power - RMS: 40 w
- Height: 46 mm
- Diameter: 57 mm
- Contact plate diameter: 55 mm
- Weight: 290 g
- Color: Gray

Dimensions [mm]



Order information

Code	Application	Pack
EK-GL1-AU	KNX Integration and Sentio Multiroom Audio System	1 pz.

Configuration and commissioning

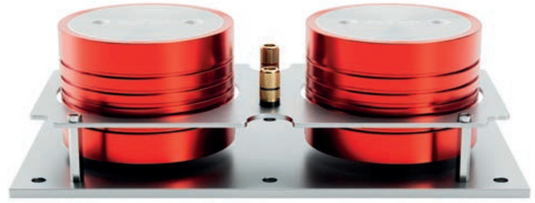
For proper installation, plan to use special adhesive EK-3M77-AU.

Documentation

For more information see the technical documentation, download from **www.ekinex.com**

Invisible TWIN

INVISIBLE PLAYER



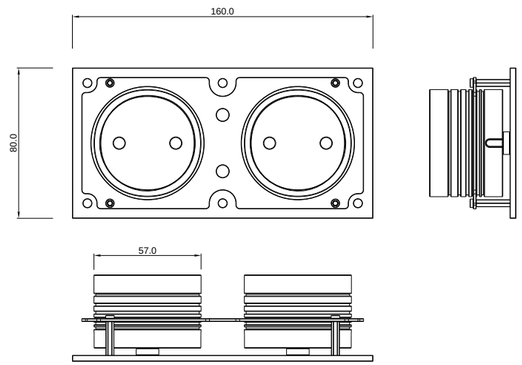
Description

Invisible TWIN represents the cutting edge of our acoustic energy transmitters. Designed to improve response in both low and high frequencies, it provides increased power, dynamics and sonic accuracy. Also ideal for audio-video systems, with a nominal impedance of 8Ω, Invisible TWIN facilitates the operation of commercial AV receivers by reducing operating temperatures and improving efficiency.
Made of the highest quality materials, the base is 3 mm thick AISI 304 stainless steel, while the bodies of the two transmitters are AW 6082 aluminum, known for its balance of workability and strength, thanks in part to anodizing that prevents degradation over time and improves heat dissipation. The eight internal nylon and steel suspensions, together with dual thermal and electrical protections, ensure long service life and reliability.
Invisible TWIN takes advantage of the characteristics of a wide range of materials to which it can be applied, such as plasterboard, wood, glass, e-bond, plexiglass, fiberglass and carbon fiber, aluminum, and many others. It can reproduce audio signals either omnidirectionally or directionally, depending on the installation (more information on our website).
The two integrated transmitters are different but complementary, optimized to provide a superior audio experience. Listening tests, conducted with in-wall plasterboard back-boxes (available soon as accessories), showed amazing performance, outperforming conventional listening systems.
Invisible TWIN offers a frequency response extending from 40 Hz up to 15,000 Hz, ensuring exceptional sound quality tested at every stage of the production process. The completely invisible installation matches perfectly with the EK-PW1-AU amplifier, specifically designed to maximize system performance.

Main features

- Impedance: 8 Ω
- Frequency response: 40 - 15,000 hz nominal
- Maximum power: 240 w
- Maximum power - RMS: 80 w
- Height: 46 mm
- Contact plate diameter: 160 x 80 mm
- Weight: 880 g
- Color: Red and Gray

Dimensions [mm]



Order information

Code	Application	Pack
EK-TW1-AU	KNX Integration and Sentio Multiroom Audio System	1 pz.

Configuration and commissioning

For proper installation, plan to use special adhesive EK-3M77-AU.

Documentation

For more information see the technical documentation, download from **www.ekinex.com**

Amplificatore POWER 1

INVISIBLE PLAYER



Description

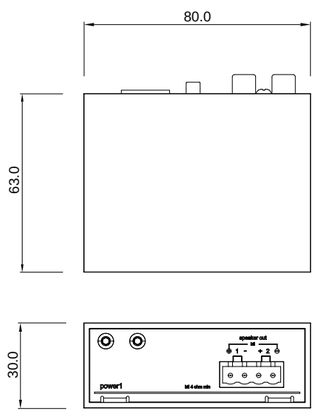
Power 1 is an extremely versatile and powerful amplifier designed to deliver high performance. With an output of 200 watts RMS on 4Ω in mono mode or 80 watts RMS on 4Ω on two channels in stereo mode, it is ideal for handling 1, 2, 4 or 8 Invisible Player acoustic energy transmitters.

Equipped with both low-level and high-level inputs, Power 1 provides maximum flexibility of use. With a high-pass and low-pass filter, it eliminates unwanted frequencies below or above 50Hz, optimizing sound quality. It is specifically optimized for use with acoustic energy transmitters, ensuring flawless performance. The amplifier comes with the power supply, which is essential for system performance by operating on both AC (90-260V) and DC (120-370V).

Main features

- Power supply: 10÷16 volts
- Absorption: 10 A
- Frequency response: 20 - 20 000 Hz nominal
- Power 2ch @ 4Ω : 80 W x 2
- 2ch @ 2Ω power: 100W x 2
- Power 1 channel @ 4Ω : 200 W
- Filter: PB and PA 50 Hz
- Height: 30 mm
- Width: 80 mm
- Length: 70 mm
- Weight: 0.31 kg
- Colour: anodised silver

Dimensions [mm]



Order information

Code	Application	Pack
EK-PW1-AU	KNX Integration and Sentio Multiroom Audio System	1 pz.

Documentation

For more information see the technical documentation, download from **www.ekinex.com**

Vertfix

INVISIBLE PLAYER



Description

The Invisible Player Vertfix double bracket is the ideal accessory to ensure perfect stability of the Invisible Drywall acoustic energy transmitter inside plasterboard walls. Made of durable brushed AISI 304 stainless steel, Vertfix is designed to maintain elasticity and resistance to oxidation over time. Even the included screws follow this philosophy, built to last.

Order information

Code	Application	Pack
EK-VFX-AU	KNX Integration and Sentio Multiroom Audio System	1 pz.

Documentation

For more information see the technical documentation, download from **www.ekinex.com**

Coverglass

INVISIBLE PLAYER



Description

Elegance meets functionality with Invisible Player Coverglass. This EN 6082 anodized aluminum cable tray, created to perfectly match the Invisible Glass acoustic energy transmitter, not only houses and conceals connecting cables, but also distances them with sophistication, giving your installation a clean, professional look. With Coverglass, your installation becomes a work of art.

Order information

Code	Application	Pack
EK-CGL-AU	KNX Integration and Sentio Multiroom Audio System	1 pz.

Documentation

For more information see the technical documentation, download from **www.ekinex.com**



Glassfix

INVISIBLE PLAYER

Description

When precision and discretion are key, enter Glassfix, the 3M double-sided adhesive designed specifically for your Invisible Glass acoustic energy transmitter. Small but powerful, Glassfix provides a secure and durable attachment without compromising the elegance of the design.

Thanks to 3M's advanced technology, your Invisible Glass blends seamlessly into any environment while maintaining a clean, minimalist aesthetic. With Glassfix, installation becomes simple and flawless, leaving room only for the distraction-free sound experience.

Order information

Code	Application	Pack
EK-GFX-AU	KNX Integration and Sentio Multiroom Audio System	1 pz.

Documentation

For more information see the technical documentation, download from **www.ekinex.com**



Coverfix

INVISIBLE PLAYER

Description

With Coverfix, the 3M double-sided adhesive specially designed for the application of Coverglass trunking, every installation becomes flawless. Thanks to its advanced formula, Coverfix provides a discreet yet extremely reliable attachment, allowing your Trsamettitore Invisible Player to blend harmoniously into its surroundings.

The real star remains the sound, while Coverfix works silently behind the scenes, maintaining elegance and functionality. Invisible to the eye, but essential to perfection.

Order information

Code	Application	Pack
EK-CFX-AU	KNX Integration and Sentio Multiroom Audio System	1 pz.

Documentation

For more information see the technical documentation, download from **www.ekinex.com**



Double insulated cable 2x1,5mm2

INVISIBLE PLAYER

Description

Made entirely of red copper (BC), it ensures optimal conduction without compromising performance. Double insulation and LSZH (Low Smoke Zero Halogen) sheathing make it safe and environmentally friendly, minimizing the production of toxic fumes in case of fire.

Order information

Code	Application	Hank
EK-CV215-AU	KNX Integration and Sentio Multiroom Audio System	100 m

Documentation

For more information see the technical documentation, download from **www.ekinex.com**



Double insulated cable 2x2,5mm2

INVISIBLE PLAYER

Description

Made entirely of red copper (BC), it ensures optimal conduction without compromising performance. Double insulation and LSZH (Low Smoke Zero Halogen) sheathing make it safe and environmentally friendly, minimizing the production of toxic fumes in case of fire.

Order information

Code	Application	Hank
EK-CV225-AU	KNX Integration and Sentio Multiroom Audio System	100 m

Documentation

For more information see the technical documentation, download from **www.ekinex.com**

Invisible Player DEMO

INVISIBLE PLAYER



Description

Invisible Player Demo is the ideal tool for installers and authorized dealers who want to demonstrate the extraordinary potential of invisible audio products in a practical and immediate way. Stylish and sturdy, this shockproof case houses everything needed for spectacular demonstrations: from the Invisible Wood acoustic energy transmitter, perfect for testing on wood, glass and composite materials, to the Invisible Drywall transmitter, specifically for drywall. Together with the powerful Power BT amplifier with Bluetooth module, power supply and pre-wired cables, you have everything you need to turn any surface into a speaker.

Demonstrating is simple: connect a device (smartphone, tablet or PC) to Power BT's Bluetooth module, recognizable as an "idea," with no password required. Once paired, you pick up the Invisible Wood transmitter and, with music playing at low volume, place it on the surface to be sonorized. The magic is accomplished: sound explodes powerfully, transforming what is invisible into an extraordinary sound experience.

Order information

Code	Application	Pack
EK-DK1-AU	KNX Integration and Sentio Multiroom Audio System	1 pz.

Invisible Player DEMO

INVISIBLE PLAYER

Technical Data

Material	**ABS**
Height	150 mm
Width	340 mm
Depth	295 mm
Color	Black

Functions / Features

Bit1	
Power supply	10÷16 volts
Power consumption	0.5 A
Frequency response	20 - 20.000 hz nominal
Technology	Bluetooth A2DP ready
Pairing ID	Wallplayer
Height	30 mm
Width	80 mm
Length	51 mm
Weight	0,25 kg
Color	Anodized Silver

Power supply	
Power supply	90/260 VAC – 120/370 VDC
Output Volts	12 volts DC
Output Ampere	11,5 A
Height	48 mm
Width	110 mm
Length	220 mm
Weight	0,66 kg
Color	Black

Invisible Drywall	
Impedance	4 Ω
Frequency response *	40 - 14.000 hz nominal
Maximum power	120 w
Maximum power - RMS	40 w
Height with saucer mounted	46 mm
Diameter	57 mm
Square contact plate	80 mm per side
Weight	0,33 kg
Color	Light bronze

Invisible Wood	
Impedance	4 Ω
Frequency response *	40 - 14.000 hz nominal
Maximum power	120 w
Maximum power - RMS	40 w
Height with saucer mounted	46 mm
Diameter	57 mm
Contact plate diameter	83 mm
Weight	0,31 kg
Color	Orange

Power1 amplifier	
Power supply	10÷16 volts
Absorption	10:00 AM
Frequency response	20 - 20.000 hz nominal
Power 2 ch @ 4Ω	80 w x 2
Power 2 ch @ 2Ω	100 w x 2
Power 1 ch @ 4Ω	200 w
Filter	PB and PA 50 hz
Height	30 mm
Width	80 mm
Length	70 mm
Weight	0,31 kg
Color	Anodized Silver

Configuration and commissioning

To avoid affecting the result, hold Invisible Wood down with your fingertips as best you can from the support plate and not from the cylinder.

Documentation

For more information see the technical documentation, download from **www.ekinex.com**

IP DOOR PHONE

Dico IP Door phone 448
Dico Security Relay 449


Ekinex S.p.A.
37
Via Novara, Vaprio d'Agogna
Mon - Fri : 8.00 - 18.00
Reception
Pack Delivery



Dico

IP DOOR PHONE

With a sleek design and extreme ease of use, the Dico IP Door phone leverages a wide range of cutting-edge technologies for intelligent building access and home control.

Product range



IP Door phone



Flush-mounted box (120x230x3 mm) and frame (on request)

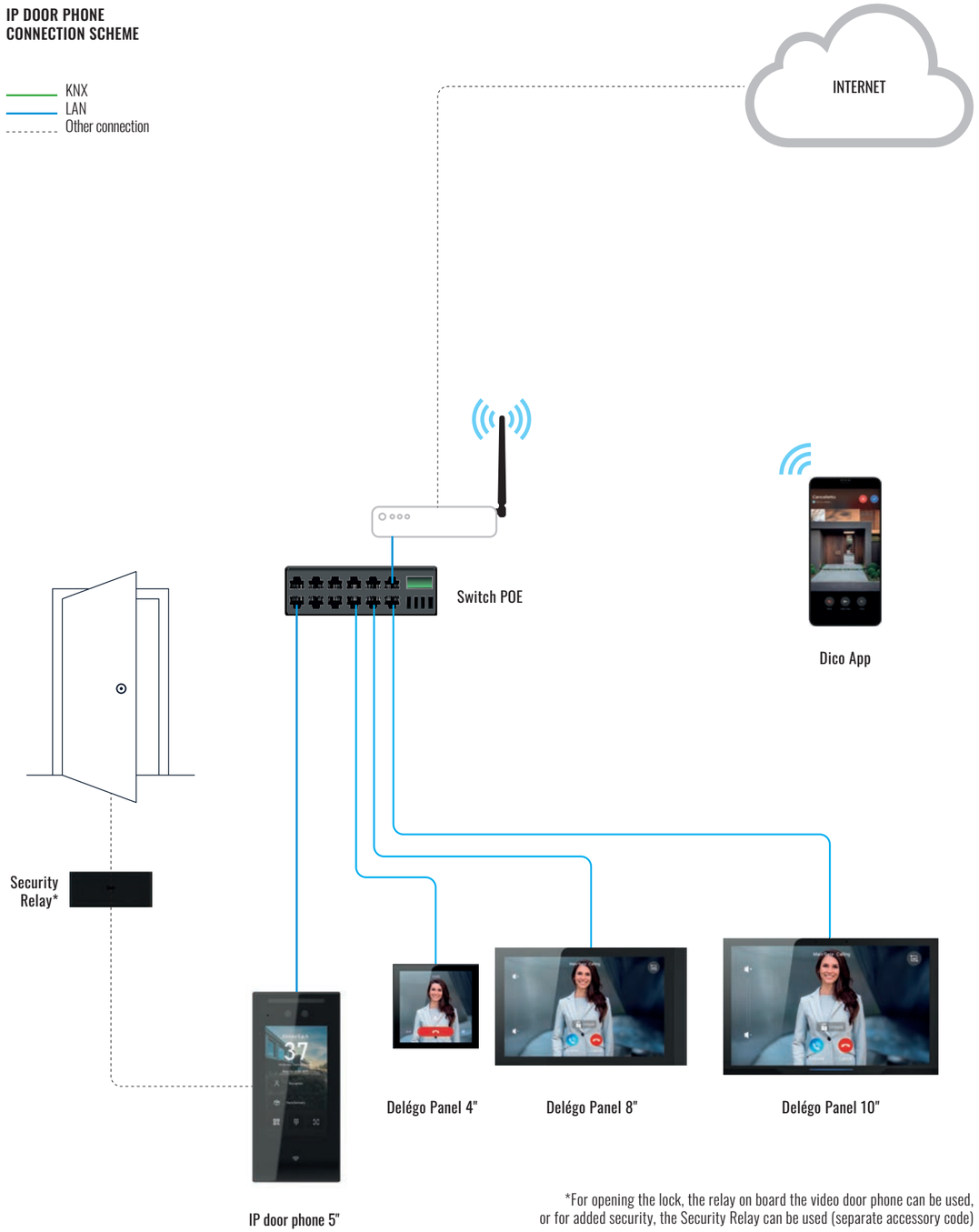


Flush-mounted box (130x310x8 mm) and frame (on request)



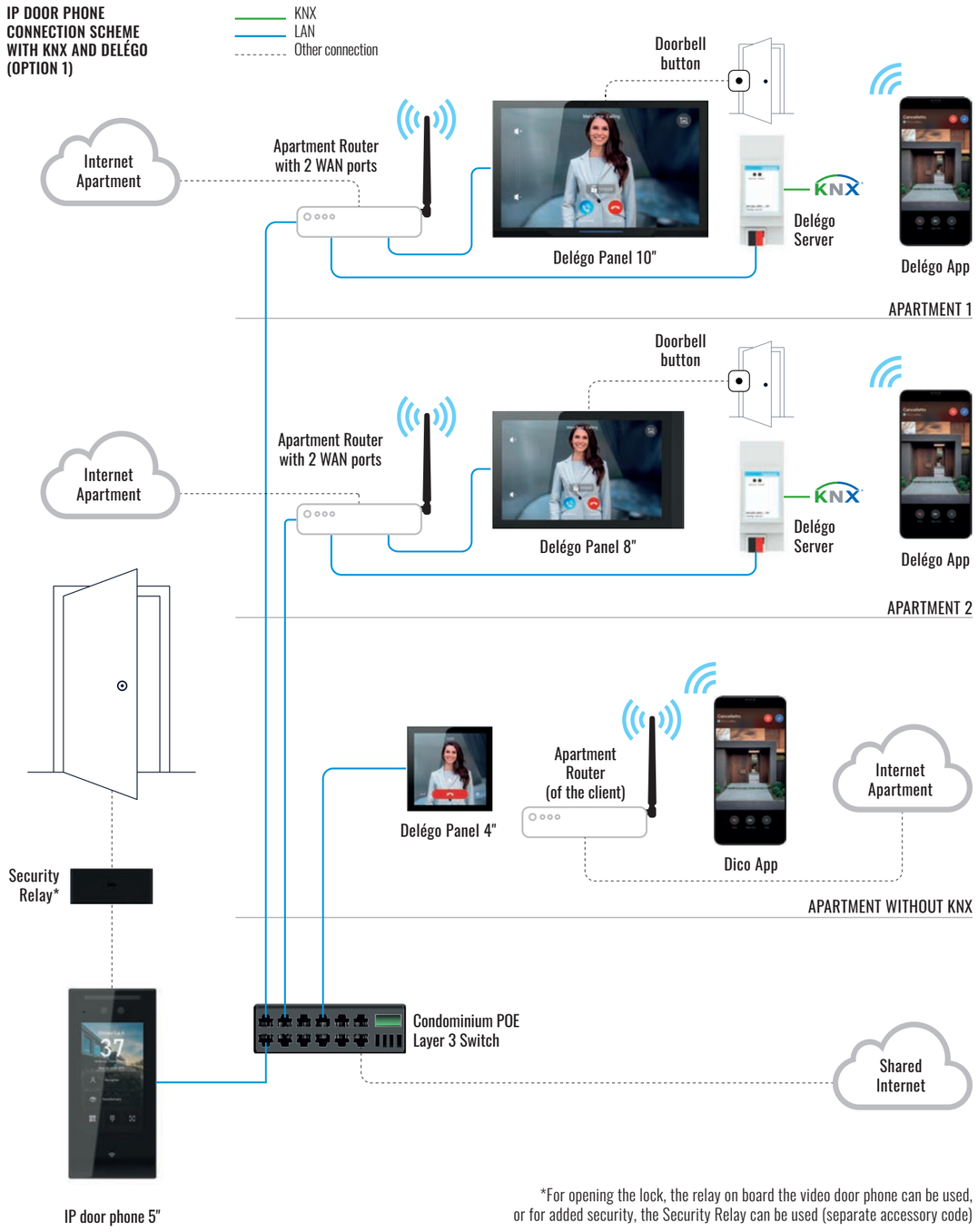
Rain cover (on request)

IP DOOR PHONE CONNECTION SCHEME



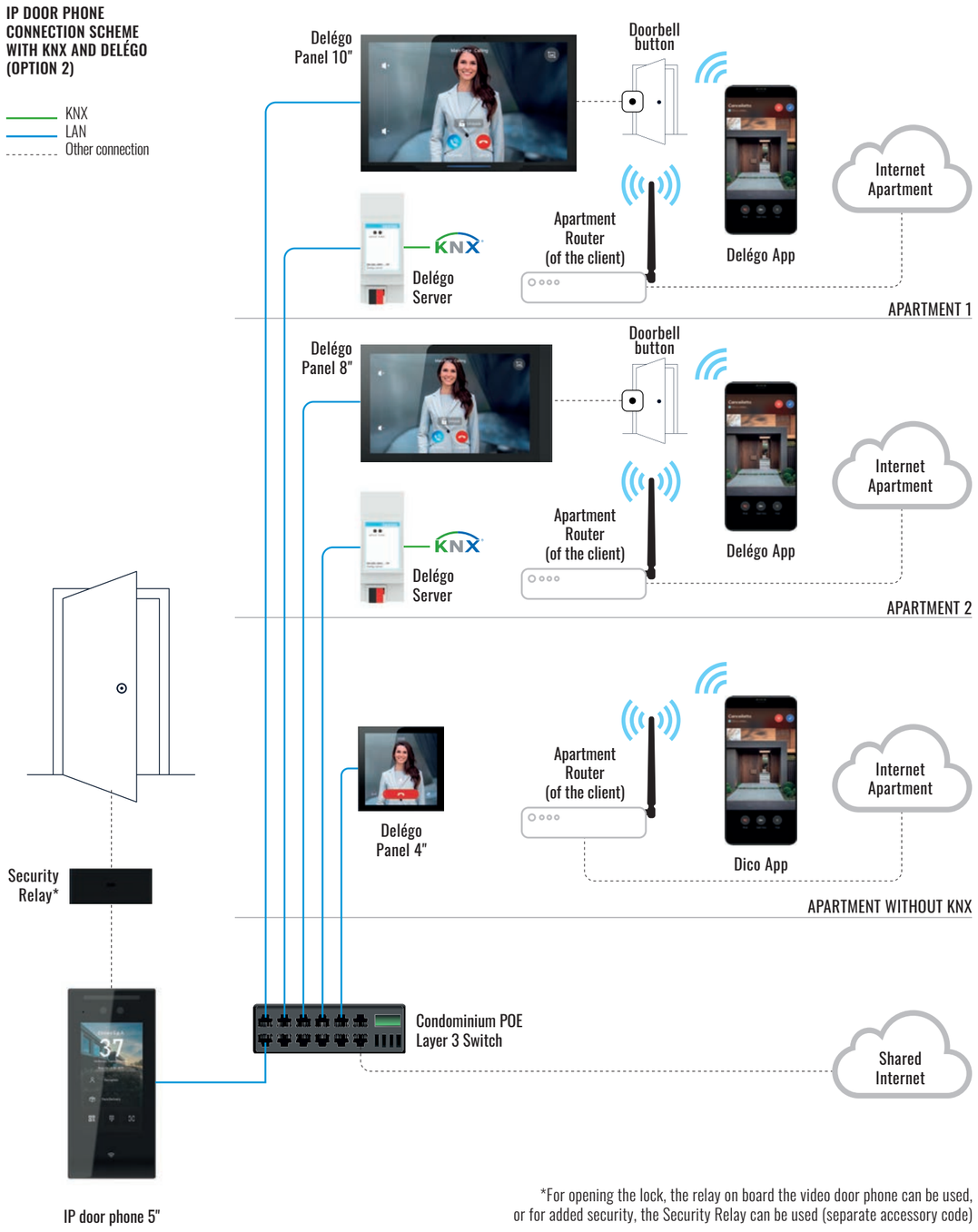
*For opening the lock, the relay on board the video door phone can be used, or for added security, the Security Relay can be used (separate accessory code)

IP DOOR PHONE CONNECTION SCHEME WITH KNX AND DELÉGO (OPTION 1)

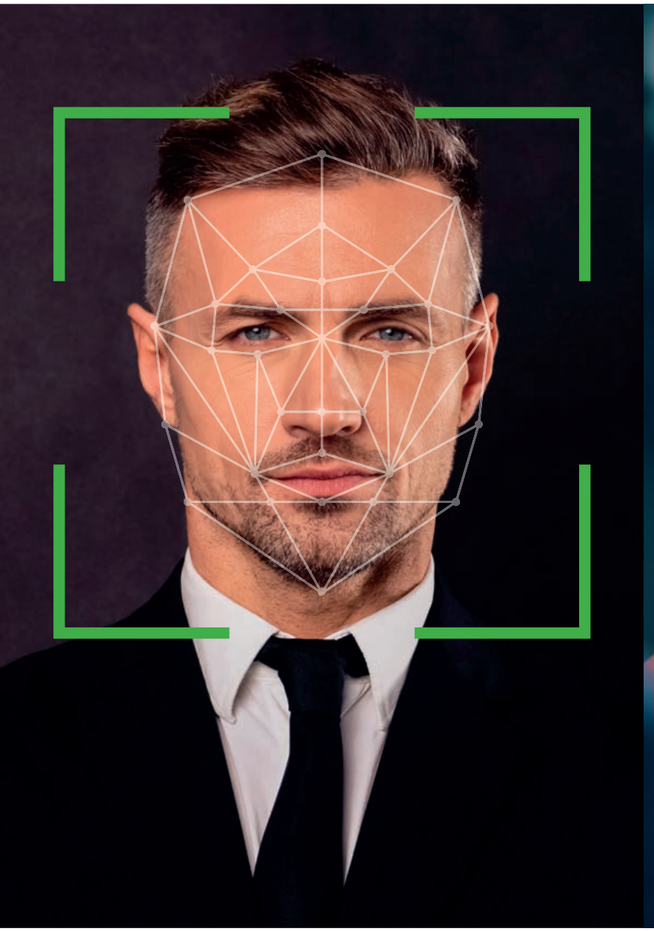


*For opening the lock, the relay on board the video door phone can be used, or for added security, the Security Relay can be used (separate accessory code)

IP DOOR PHONE CONNECTION SCHEME WITH KNX AND DELÉGO (OPTION 2)



*For opening the lock, the relay on board the video door phone can be used, or for added security, the Security Relay can be used (separate accessory code)



MULTIPLE ACCESS CONTROL MANAGEMENT

Facial Recognition

DICO integrates a powerful facial recognition system, based on biometric data stored within the device (no cloud calls). Biometric profiles are anonymised in full compliance with privacy and GDPR directives. Faces can be stored by uploading a simple photo to the local configuration web interface, or through a learning procedure.

When a face is recognised, DICO can close its integrated relay, and also send a request to Delégo to perform other operations such as KNX auxiliary commands or scenarios.



MULTIPLE ACCESS CONTROL MANAGEMENT

QR code reading

DICO can also enable access via a previously generated and authorised QR code. In this way, it is possible to conveniently grant access for a certain period to occasional guests, without the need to store their biometric data and/or share their code numbers.



MULTIPLE ACCESS CONTROL MANAGEMENT

Virtual Keyboard

DICO allows access to controlled accesses by entering a numerical PIN code, directly on the display. In the future, it may be integrated into the MyWay access control system on Delégo.

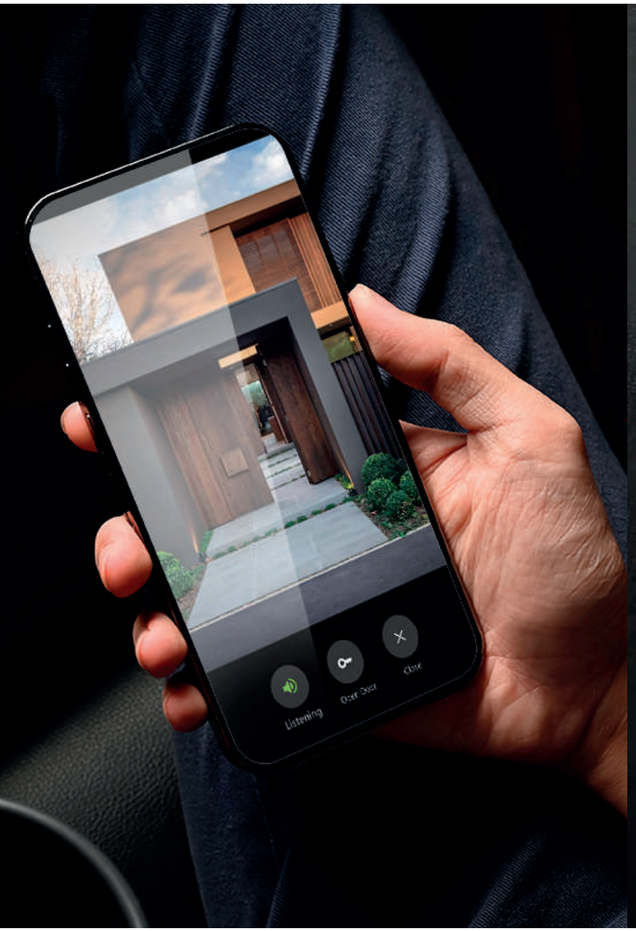


MULTIPLE ACCESS CONTROL MANAGEMENT

Multi-apartment and multi-tenant management

The Dico video door entry system lends itself perfectly to multi-apartment residential building management, even of large size, as well as tertiary and multi-tenant installations. The graphic interface can be customised to display:
The direct list of tenants (in flat mode), typically used in apartment buildings. The list of companies, with a sub-page dedicated to the interiors of each company, typically used in multi-tenant buildings.

The optional screen saver mode can display e.g. a static logo, individual company logos in rotation, or the building address.







MULTIPLE ACCESS CONTROL MANAGEMENT

NFC technology

DICO can also enable access via RFID cards or 13.56 MHz proximity cards. In the future, this function may be integrated into the MyWay access control system on Delégo.

MULTIPLE ACCESS CONTROL MANAGEMENT

Using via App

The DICO app can be used both by installers, to configure a system equipped with one or more video door phones and to establish the rules for forwarding calls to the different flats, and by end users, to receive calls when they are not inside the building, and to monitor their video door phones remotely, including consulting the call and access history.

Dico

IP DOOR PHONE

The Dico IP door phone is a secure and affordable commercial-grade device for both intercom and for access control.

Dico is an IP outdoor door phone based on the SIP standard, which is fully integrated with the Delégo visualisation system and can operate completely autonomously within the customer's home network. It is a fully touch product, with no physical pushbuttons, and thanks to integration with the Ekinex cloud and the Delégo app, it is possible to receive video calls wherever you are (feature available in Q1 2024).

Many functions in one device: Dico is not just a simple video IP Door phone. It manages a multiple access control system through facial recognition, virtual keypad, QR code reading, and NFC technology. The innovative touch screen compared to market standards (physical pushbuttons) also allows for extremely high configuration flexibility and can be wall-mounted or flush-mounted using the special cover with mounting box.

With the latest deep learning algorithm and dual camera motion detection technology, EK-5DP-VI can be used for residential and commercial applications to realize intelligent access control.



Dico

IP DOOR PHONE

Description

IP Door phone offering excellent intercom-type communication and flexible access control methods such as facial recognition based on artificial intelligence and controllable by the mobile app. It can be used in commercial and community applications to implement smart, fast, secure and reliable access control by integrating with various third-party devices such as attendance and visitor management systems.

Technical data

- 5" IPS LCD touch screen display
- 1280 x 720 pixel resolution
- 2M pixel dual-lens camera, WDR
- Input/output relays: 1 / 1
- Ethernet port RJ45, 10/100Mbps adaptive
- Power Supply 802.3af Power-over-Ethernet
- 12 Vdc power supply (if not using PoE)
- Max. current consumption 380 mA
- Tamper (tamper) supported

Recommended cable length depending on section for installation with 12V - 1.5 A power supply:

- ≤ 30m for section 20 AWG
- ≤ 20m for section 22 AWG
- ≤ 15m for section 23 AWG

Recommended cable length depending on section for installation with 12V - 1.0 A power supply:

- ≤ 20m for section 20 AWG
- ≤ 10m for section 22 AWG

Order information

Code	Use	Packaging
EK-5DP-VI	5" IP video door phone	1 pcs.
EK-CLD-VI	Cloud licence for Dico video door phone (4 users)	
EK-5BB-VI	Box and plate for flush mounting	
EK-5FR-VI-BL	Frame (120x230x3 mm) for flush mounting	
EK-5FR-VI-...	Frame (130x310x8 mm) for flush mounting	
EK-5RC-VI	Rain cover	

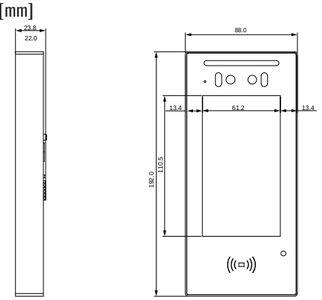
Environmental operating conditions:

Wall-mounted or recessed installation with optional box and frame EK-5IW-VI available for purchase from Ekinex. EK-5RC-VI rain cover available upon request.

Functions / Features

- Protection IP65
- Relative humidity of the installation environment: 10~90% non-condensing
- Operating temperature: -20°C to +55°C
- Dimensions (WxHxD): 192 x 88 x 27,5 mm
- Weight (assembled product): 600 g
- Flexible authentication: mobile app, facial recognition, NFC, QR codes, PIN codes, IC card (contactless smart card)
- 1 output relay for door opener
- Visible light facial recognition
- Dual cameras with anti-spoofing algorithm against photo and video forgery
- Storage of up to 20.000 images and 20.000 cards
- Facial recognition speed of less than 0,2 seconds/user
- Facial recognition accuracy rate of more than 99,7%
- Allows audio and video communication with an IP phone, Delégo App or Delégo Panel
- Multiple verification methods including: face, PIN, NFC, RFID cards and QR codes
- Configuration via web browser
- Touch screen user interface with simplified navigation
- Excellent voice intelligibility in any situation, even noisy ones
- Easy installation requiring only power, internet and door opener
- Space-saving 5" design perfect for narrow door frames

Dimensions [mm]



Documentation

For more information see the technical documentation, download from **www.ekinex.com**



Dico Security Relay

IP DOOR PHONE

Description

The Dico Security Relay provides secure door control via encrypted communication when combined with other Ekinex devices. The module with ultra-compact form, easily placed in most standard installation boxes, is installed on the secure side of the door. If anyone attempts to dismount or vandalize the station, SR1 cuts the connection to the door strike and the door remains securely locked.

Functions / Features

- Environment: Indoor
- Casing: Plastic
- Dimensions: 31x56x24mm
- Mounting: Fits in standard installation boxes
- Working Humidity: 10 ~ 90%
- Working Temperature: 20°C ~ +60°C
- Relay Out: 1
- RS485: 1
- Input: 1
- Button: 1, for pairing
- Indicator: 2
- Power In: 1,12V/100mA (Min.)

Dimensions [mm]





Order information

Code	Use	Packaging
EK-SR1-VI	Controllo sicuro della porta tramite comunicazione criptata se abbinato ad altri dispositivi Ekinex	1 pcs.

Documentation

For more information see the technical documentation, download from **www.ekinex.com**




Ekinex SPA
37
Via Novara 37
Vaprio d'Agogna (NO)
Hours: Monday / Friday 08:30 – 17:30
TOUCH HERE

LIFT TV

Under Bed Lift TV 460
Up & Down Lift TV 461



Revélo

LIFT TV

We love to watch our favourite series, sporting events, the news as soon as we wake up, but we only want to see TV when needed. That is why we have created a series of Made in Italy lifts that help you to better arrange your space, giving you the opportunity to hide the TV when it is not in use.

Product range

Revélo Lift TV

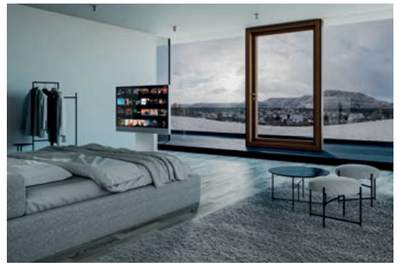


Under Bed Lift TV | Up & Down Lift TV | Up & Down Lift TV - XL



Revélo

LIFT TV







Would you hide a beautiful view to make room for a TV? The room gains in space, usability and order, and you don't miss out on the view of your favourite scenery.

The need for better space management, combined with the minimalist design of a certain type of furniture, are two aspects that cannot be overlooked. The presence of elements such as TVs or monitors can be intrusive within a room. This gives rise to the need to conceal these devices when they are not in use.

Under Bed Lift TV. In your room, a space under the bed is enough to make the TV disappear after viewing. But not only that. Lack of fitted walls or unalterable furniture can make it difficult or aesthetically disharmonious to install a TV. Furthermore, thanks to the very high definition of 4K and 8K panels, only 170 cm is needed for optimal viewing from a 48" TV. Why mount it on a wall?

Up & Down Lift TV. The perfect combination of aesthetics, versatility and space functionality. The Up & Down line of retractable TV lifts integrates inside your furniture, adapting to any type of residential, hotel, naval or tertiary environment. Available in two versions (standard and XL) to accommodate monitors and TVs up to 65".



Under Bed Lift TV

REVÉLO

Description
The EK-BTV-BL TV lift is designed and constructed to move a TV set under the bed. The product in the resting state is placed under the bed; by operating a wired control, the sliding motorised lift brings the TV set into the in-use state. The transition between the two states of rest/use takes place by means of three movements actuated by three electric motors:

Horizontal translation (the TV comes out from under the bed);
Rotation (the TV is brought to a vertical position);
Lifting (the TV is raised to the height pre-set during installation).

Technical data
- Dimensions in rest position (without TV) 1574 x 680 x 221 mm
- Maximum dimensions (without TV) 1930 x 680 x 1740 mm
- Mass (without TV) 80 kg
- Cycle time 25-28 s

Power supply
- Voltage 230 V ± 10%
- Frequency 50 Hz ± 2%
- Current 1.6 A
- Total installed power 150 W
- Required protection IP20

Technical data - Television
- Minimum screen size 32”
- Maximum screen size 55”
- Minimum space between TV and bed frame above 50 mm
- Maximum weight 25 kg

Environmental operating conditions
- Closed and dry, domestic environment
- Ambient temperature 5÷40 °C
- Relative humidity 30÷50 % (without condensation)
- Salinity Excluded
- Solar radiation No
- Vibration No

Transport and storage environmental conditions
- Closed and dry environment
- Ambient temperature -25÷55 °C
- Relative humidity 10÷80 % (non-condensing)
- Salinity Excluded
- Solar radiation: No
- Vibration: No
- Water and oil splashes, projection of material and substances from nearby machines: No

Functions / Features
- Function control panel with integrated display (for authorised operator only)
- Brackets for wall or bedside mounting
- Colour: black RAL 9005 Gloss 30
- Silent movement
- Wired control for actuating horizontal travel, rotation, lifting movements
- Infrared laser photoelectric sensors with light/dark pulse
- Approval in accordance with EN 60335-1 and UL 962
- Easily removable cover panels for TV cabling
- Compatible with Sky Glass
- For optimal viewing angle we recommend 48” TVs

FINISHES



NE Black RAL 9005 | BI White RAL 9016 (on request) | BI Grey RAL 9006 (on request)

Order information

Code	TV	Package
EK-BTV-BL	da 32 fino a 55”	1 pcs.

Documentation
For more information see the technical documentation, download from www.ekinex.com



Up & Down Lift TV

REVÉLO

Description
The TV lift EK-LTV-BL / EK-LTV-XL-BL is a mechanism designed and constructed to move a concealed TV set into cabinets. The product in the resting state is placed inside a cabinet, where the TV set is also concealed; by operating a wired control, the product brings the TV set into the in-use state. The transition between the two states of rest/use takes place via an electric motor integrated in the lifting column. Models differ according to the length of the lifting column.

Technical data
- Minimum/maximum screen size 32” (EK-LTV-BL) / 65” (EK-LTV-XL-BL)
- Minimum space between TV and cabinet shelf: 13.50 mm
- Maximum weight: 25 kg
- Cycle time: 18 - 25 s
- Power supply voltage: 100 - 240 Vac ± 10% @ 50 - 60 Hz ± 2%
- Stand-by power: 0.1 W
- Total power output: 300 W
- Protection required: IP20

- Dimensions in idle position (WxHxD, without TV)
- EK-LTV-BL: 471 x 598,5 / 790 x 174.7 mm
- EK-LTV-XL-BL: 753,5 / 471 x 939 x 171.5 mm

- Maximum dimensions (WxHxD, without TV)
- EK-LTV-BL: 471 x 1445 x 174.7 mm
- EK-LTV-XL-BL: 471 x 1945 x 171.5 mm

- Mass (without TV)
- EK-LTV-BL: 15 kg (33 lb)
- EK-LTV-XL-BL: 16 kg (35 lb)

Installation dimensions
- EK-LTV-BL: 518 / 545 mm (518 / 545 mm)
- EK-LTV-XL-BL: 700 mm (700 mm)

Maximum excursion closed/open position
- EK-LTV-BL: 655 mm
- EK-LTV-XL-BL: 999 mm

Maximum thrust
- EK-LTV-BL: 700 N
- EK-LTV-XL-BL: 600 N

Bending moment
- EK-LTV-BL: My = max. 150 Nm dynamic
- EK-LTV-XL-BL: My = max. 100 Nm dynamic
- Maximum speed: 38 mm/s

Duty cycle
- EK-LTV-BL: 10 % ~ 2 min at continuous use and full load followed by 18 min break
- EK-LTV-XL-BL: 5 % ~ 2 min. at continuous use and full load followed by 18 min. pause

Functions / Features
- Compact design, guide and actuator are perfectly integrated
- Mounted connector for simple connection to control unit and separate motor cable
- Colour: black RAL 9005 Gloss 30
- Silent movement
- PIEZO™ technology: integrated anti-collision sensor minimises the risk of damage in the up and down direction
- PVC-FreeTM, made without PVC materials
- Invisible slide rails
- Minimum distance between profiles
- Synchronised movement of the middle profile
- Fixing bracket for wired control
- Motor housing (black) pre-mounted in the movement column
- Approval in accordance with EN 60335-1 and UL 962
- For push applications only
- Compatible with Sky Glass

FINISHES



NE Black RAL 9005 | BI White RAL 9016 (on request) | BI Grey RAL 9006 (on request)

Order information

Code	Height at rest	TV	Package
EK-LTV-BL	790 mm	fino a 43”	1 pcs.
EK-LTV-BL	939 mm	fino a 65”	1 pcs.

Documentation
For more information see the technical documentation, download from www.ekinex.com

TOOLS

Planner 464
Quoter 465



Planner

TOOLS

Description

PLANNER is a configuration software made available on its website from Ekinex®. This tool, from the easy to use and driven, allows the end user and the designer to identify products that are perfectly suited to the needs of the project. With PLANNER you can also choose and test different combinations of pushbuttons and wiring devices finishes to get closer as possible to the desired result. PLANNER allows you to fill out a simple list of devices to be used or they can be placed in a preview of a user-uploaded file, in order to recreate the actual conditions of the future installation. Finally, the software allows you to create a database of your projects with the ability to retrieve and modify projects at all times. When you finish using PLANNER allows you the chance to ask Ekinex® the best trade offer to the list of materials in your project

Use in 4 steps

1) ADD A PROJECT

From the Ekinex® site, reach PLANNER by following this link: **planner.ekinex.com/en/**. At this point you can decide whether or not to insert a map (jpeg, gif, png, pdf image format); in any case you will be asked to give a name to your project, so that you can identify it later.

2) SELECT DEVICES, MODELS AND FINISHING

PLANNER guides you on the page where you can find a list of products and create a list of devices to be installed in the system. All the devices can be placed on the image of the plan if previously inserted.

3) GET THE LIST

PLANNER gives you the ability to export and manage the list of chosen devices, to be able to control the features chosen.

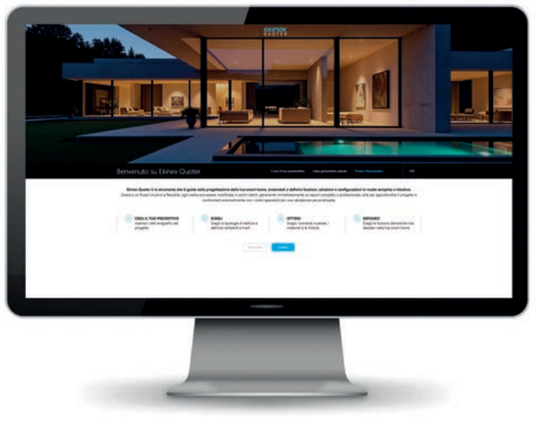
4) SAVE THE PROJECT

By clicking on “save changes”, you will save the positions and changes made. You can also print the project and export the list of products in pdf format.

Offer request

Planner is a great business tool. You can request this offer and conditions for devices of your project by clicking on the icon “**Request a quote**”. The network of Ekinex® will contact you and will answer quickly and with the best offer for your project.

For further information contact: **sales@ekinex.com**



Quoter

TOOLS

Description

Ekinex Quoter is Ekinex’s online configurator designed to create quotations quickly, accurately and professionally. Accessible directly via the web, Quoter is an intuitive tool designed to support designers, system integrators, installers and commercial partners in defining the economic offer for Ekinex® systems and devices.

Thanks to a guided interface, Quoter allows you to select products, configure variants and automatically generate a detailed summary with codes, quantities and prices.
The software allows you to organise and save your projects, maintaining a history that can be consulted and modified at any time.
At the end of the configuration, you can export the quotation in PDF format, ready to be shared with the end customer or used for internal project purposes.

Accessing the platform

1) From the Ekinex® website, access Quoter via the link: **quoter.ekinex.com/**.
Log in with your credentials to start creating a new quote or to view and edit existing projects.

2) Name the project and select the required Ekinex® products.
The system guides you through the available configurations, allowing you to define quantities and variants in a simple and structured way.

3) Quoter automatically processes the complete list of selected devices, creating a detailed summary with all the information needed to formulate the quotation.

4) Save the project so that you can edit it at any time. You can export the quote in PDF format and share it directly with the customer or your team.

Sales tool

Quoter is an effective support tool for the sales network and industry professionals. It allows you to prepare structured offers that are consistent with the official Ekinex® price list, reducing margins of error and processing times.

For further information:
ekinex.com/en/bim/library-wall-mount.html

SALES KIT

Style Case 468
Style Box 468
Color Ring 469
Glam Box 469
Crowner 470
Lettering 470
Roll-up 471
Tech Case 471



Style Case

SALES KIT

Description

Style Case is designed to showcase the Ekinex product ranges, assess their materials and colours, and evaluate their effect on walls with different finishes. It features 4 drawers complete with wall-mounted devices in demo mode. The EK-SC4-03 version comes as standard with 2 drawers containing working devices (expandable to 4 on request), whilst in the EK-SC4-03-PRO-ERA version, all 4 drawers contain working devices. Style Case also includes a handy colour chart and a pocket for catalogues and notes. The integrated handle allows for practical and easy transport.

For further information: **sales@ekinex.com**

Order information

Code	Version	Package
EK-SC4-03	Style Case	1 pcs.
EK-SC4-03-PRO-ERA	Style Case Proxima/ERA	



Style Box

SALES KIT

Description

Style Box is a presentation case containing one or more Ekinex devices in different colours and finishes, allowing you to evaluate the various colour and aesthetic solutions available.

For further information: **sales@ekinex.com**

Order information

Code	Version	Package
EK-SB4-ERA-..-DK	Style Box ERA	1 pcs.
EK-SB4-PROXIMA-..-DK	Style Box Proxima	
EK-SB4-WPC-ERA-DE	Style Box Waterproof cover ERA	
EK-SB4-WPC-DE	Style Box Waterproof cover	
EK-SB4-20-DEEP	Style Box 20venti	
EK-SB4-20-DK		
EK-SB4-SIGN-DEEP	Style Box Signum Deep	
EK-SB4-SIGN-SURF	Style Box Signum Surface	
EK-SB4-4PAN	Style Box Delégo panel 4”	
EK-SB4-ACC-KEY-DK	Style Box Accédo Key	
EK-SB4-DICO	Style Box Dico	
EK-SB4-METAL-HT-DK	Style Box Metal HT	
EK-SB4-FF-DK	Style Box FF Form	
EK-SB4-FF-OMNIA-DK	Style Box FF OMNIA (NO VOLTAGE)	
EK-SB4-71-DEEP-DK	Style Box 71 Deep	
EK-SB4-71-SURF-DK	Style Box 71 Surface	
EK-SB4-PWS-..	Style Box Prese elettriche/USB	
EK-SB4-CLIMA	Style Box Termostato CLIMA	



Color Ring

SALES KIT

Description

Color Ring is a ring equipped with rectangular keys made of plastic, metal and Fenix NTM® in real size that allows you to evaluate the chromatic combination between the button and the wall.

For further information: **sales@ekinex.com**

Order information

Code	Finishing	Package
EK-CC-MET	Metal	1 pcs.
EK-CC-FEN	Fenix NTM®	
EK-CC-PLA	Plastic	



Glam Box

SALES KIT

Description

Glam Box is a finishing box containing all metal, Metal HT and Fenix NTM® samples **represented** by a square rockers (TQQ) of the FF series.

For further information: **sales@ekinex.com**

Order information

Code	Package
EK-GLAM-BOX	1 pcs.



Crowner

SALES KIT

Description

Ekinex table display with Forest or Wood print, complete with packaging box.

For further information: **sales@ekinex.com**

Order information

Code	Package
EK-CROW-ERA	1 pcs.
EK-CROW-WOO (Wood print)	

Wall-mount device not included in delivery.



Roll-up

SALES KIT

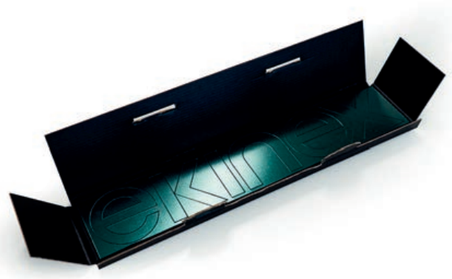
Description

It features a banner supported by a retractable pole inside the compact, small-sized base. Its sturdiness is guaranteed by the upper profile and aluminium pole, while stability is ensured by the double plastic feet, which are adjustable in width. Customisable graphics.

For further information: **sales@ekinex.com**

Order information

Code	Package
EK-ROLLUP-01	1 pcs.



Lettering

SALES KIT

Description

Ekinex logo lettering made of 3 mm thick pre-cut forex, complete with installation template with positioning using double-sided adhesive tape.

For further information: **sales@ekinex.com**

Order information

Code	Dimension	Package
EK-LET-180	180 cm	1 pcs.
EK-LET-105	105 cm	
EK-LET-45	45 cm	



Tech Case

SALES KIT

Description

Tech Case is an ideal solution to support KNX training (basic, advanced, hvac) and product presentations. Tech Case is made of a shock-resistant housing and is equipped with an integrated trolley system that makes it suitable for business travels. Tech Case is delivered with connected Ekinex devices and pre-installed application programmes.

For further information: **sales@ekinex.com**

Order information

Code	Version	Package	Weight
EK-TCB-TP	basic	1 pcs.	11.000 Kg
EK-TCA-TP	advanced		12.000 Kg



Projecting, configuration and commissioning

TECHNICAL SECTION

The Ekinex® home and buildings automation system was developed in accordance with the KNX open standard; therefore, the planning and the commissioning of a system as well as the configuration of its devices can be carried out easily by means of a PC and the ETS® software. The software allows to program Ekinex® devices, as well as thousands of other interoperable devices produced by companies which are members of KNX Association. All is needed to use Ekinex® devices in a system project, is the download from the www.ekinex.com website of either the application programs general file, the Ekinex® product database containing software for all devices, or the single, specific-application program as necessary. After importing product data into the internal ETS® database, one may start laying out the home automation project.

The first activity required consists of assigning a name to the project, along with general descriptive information, which will permit to re-use the same project without problems, even after a long time. The next step is to define the building's structure and the topology required by the home automation project. The devices are looked up in the database, copied into the structure and assigned a unique id, corresponding to their physical address. At this point, each device may be configured independently, by setting a series of parameters, which vary according to the function to be performed. For example, independent function can be attributed to each different channel of a single push-button command, e.g. switching on or off an electrical appliance, a dimmer for a light source or the opening/closing control for a roll-up shutter. The next step is to define the interaction between multiple devices; unlike traditional installations, where this is achieved by physically laying cables, in a home automation system this action is performed by means of virtual connections generated by the ETS® program.

It is then possible to upload the application program to each device, thereby including all the settings required to perform the expected function within the system. ETS® also has utility functions for diagnoses and error search; for instance, it is possible to verify physical addresses and to check the status of each single devices on the connected bus. Lastly, the program can produce the necessary project documentation for the end user, so that it may be further expanded and adapted in the future. The constant attention of KNX towards the world of professionals developed into a wide offer of training courses. Courses for experts have been offered for years in numerous countries and KNX constantly monitors the activity of all certified training centres, where it is possible to become KNX Partners. The professional role of a KNX Partner is to guarantee a high level of system expertise in order to achieve the best results. Among KNX Partners are designers, installers and system integrators, who offer expert advice to plan, install, run and maintain a KNX-standard control system for homes and buildings.

In order to become KNX Partner, one must withstand a 40-hours theory and practise exam at a KNX-certified Training Centre. A complete list of KNX Partner is available on the website of KNX Association (www.knx.org).



ETS® (Engineering Tool Software) is manufacturer-independent software. produced and marketed by KNX Association (www.knx.org)

KNX technology

TECHNICAL SECTION

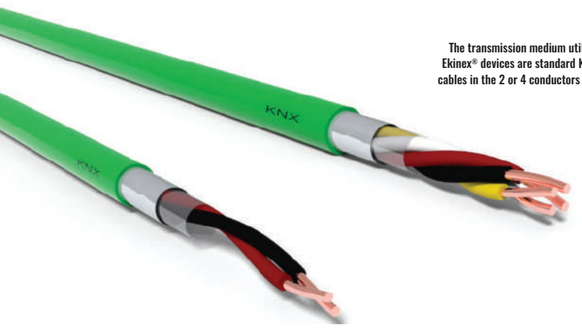
KNX systems realize decentralized building automation; therefore, neither a central unit nor a supervising PC for control are required. Each device is fitted with an electronic part, which allows bus communication with all other devices on the bus, processes the received information or transmits the stored working parameters and the logics required for the completion of its task.

Communication

Communication between KNX devices occurs in digital form, by means of serial transmissions of organized information, called “telegrams”. A telegram includes the main information to be transmitted – e.g. a switch on or switch off command, a numerical value corresponding to a physical size detected by a sensor, etc. – and a series of accessory information required to guarantee an efficient, error-free communication. Any telegram, which is not duly received, can be repeated up to three times by the transmitting device. In order to avoid collisions between telegrams being sent out at the same time along the same bus from different devices, the CSMA/CA (Carrier Sense Multiple Access / Collision Avoidance) protocol is used. The information transmission speed occurs at 9600 bit/s, which makes it possible to avoid bus line resistor terminations.

Transmission medium

The family of Ekinex® TP bus devices uses twisted-pair signal cables to transmit data; the correct communication is guaranteed by employing bus cables with 1 or 2 conductor pairs made in accordance with KNX Association’s TP1 specifications.



The transmission medium utilized by Ekinex® devices are standard KNX TP1 cables in the 2 or 4 conductors version

Connecting the devices

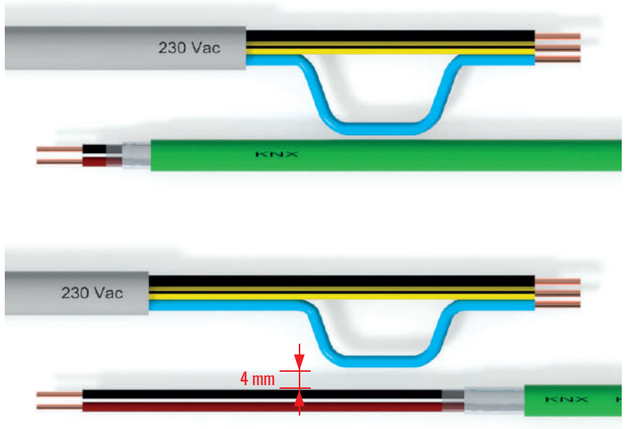
Ekinex® devices are connected to the signal bus cable by means of the KNX bus termination block. The termination block and the cable form part of a convenient, fast-connection system aimed at eliminating errors: the cable has rigid connectors and the termination block is fitted with holding springs (instead of screws); besides, the termination block is formed by two elements having the same colour-coding (black/red) of the conductors to be connected. Each stripped bus conductor will be simply inserted in place, where it will stay firm thanks to the provided holding spring. Each polarity has 4 connection areas and the termination block may be extracted from its seat: Thanks to these two characteristics, the removal of any device from the bus cabling does not determine the interruption of communications with the remaining devices. The termination block is also used for branching cable segments on the same bus.



The Ekinex® devices are connected to the KNX network via the bus terminal included in every appliance supplied.

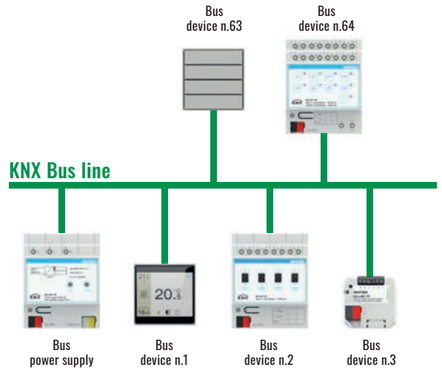
Installation

KNX bus cables can be laid underneath the 230 Vac power cables along the same duct, provided they are kept isolated. Should the insulating sheath be removed, a distance of at least 4 mm between cable types must be guaranteed.

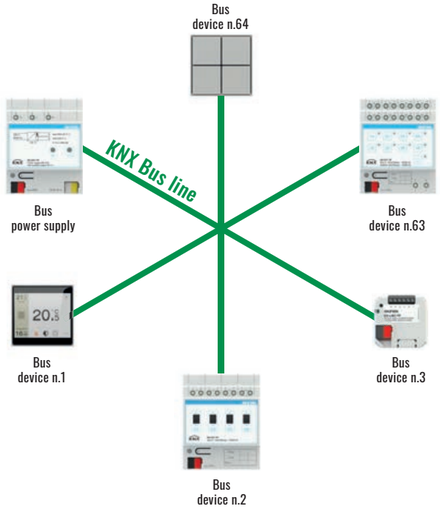


Topology

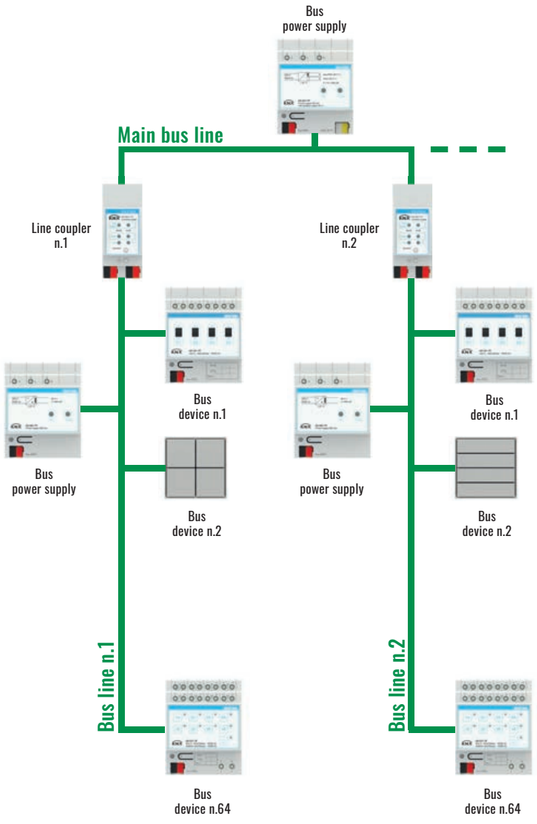
The smallest KNX system may include a single bus line along which up to 64 devices can be connected. The line must be equipped with the special bus power supply, which provides the necessary SELV voltage for the system to work. The effective number of bus devices that can be connected to the line is determined at project level and may vary depending on the voltage supplied by the bus power supply and on the electrical absorption of each device on the bus. Since each Ekinex® device can process multiple functions, a single-bus line can suffice to control an apartment, a detached house or even a larger building with a limited number of bus functions.



Next to a simple single-line configuration, a bus line can be subdivided into more segments, thus obtaining a star-shaped or a tree-shaped topology, or any combinations of the two.

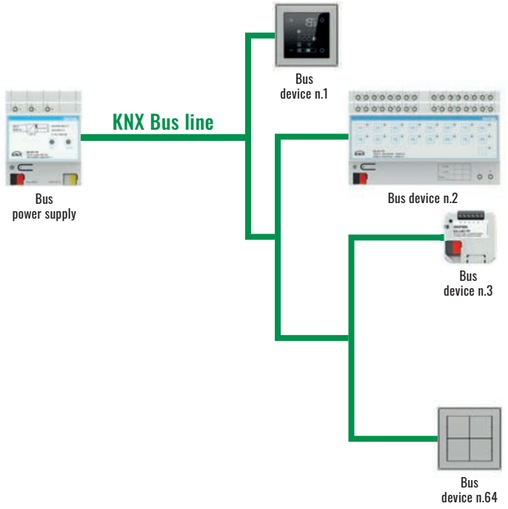


Adding line couplers, allows the system to expand to accommodate for larger buildings and/or higher numbers of required bus functions. Connecting more lines between them by means of couplers and a backbone line constitutes an area. An area is formed by a backbone line, up to 15 secondary lines and by all the devices connected along them. A unique number between 1 and 15 characterizes each secondary line. With little less than 1000 connectible KNX devices, an area permits the handling of a medium/large size system.



KNX technology

TECHNICAL SECTION



It is necessary to respect KNX topology prescriptions while designing the system, in order to guarantee communication within the system:

- the maximum allowed line length is 1000 m, including all branches;
- up to 64 bus devices can be connected to one line;
- the maximum distance between 2 devices is 700 meters;
- no bus device may be more than 350 meters apart from a bus power supply;
- in case of high numbers of bus devices (> 30) along limited sections lengths (10m), a second bus power supply can be installed, provided it sits at least 200 meters away from the first.

Should the demand increase, a KNX system can be further extended by connecting one another up to 15 areas. The main lines of each single area are connected to a backbone line by means of area couplers. Areas and main lines are numbered 1 to 15, while the backbone line bears number 0. The most extended KNX system permits to connect tens of thousands of devices, thus satisfying the necessities of very large buildings.

Device addressing

The bus is a shared communication medium and each connected device must be exclusively distinguished from all others. The ETS® program takes care of that by assigning a physical address to each device: the address is represented in the form “area.line.device”. Thanks to that, the topology of the entire system is mirrored into the devices’ physical addresses, making it easy to locate a device in the whole topology, by simply knowing its physical address. For instance:

3.5.12 **is the physical address of the bus device number 12, installed along line 5 in area 3**

7.11.4 **is the physical address of bus device number 4 on line 11 in area 7**

A line coupler connects a secondary line to the backbone line; the device forms an integral part of the secondary line and conventionally assumes the device number “0”. The physical address of a line coupler can be, for instance:

3.5.0 **is the physical address of the coupler connecting the secondary line n. 5 to the main line of area 3**

The area coupler connects an area’s main line to the backbone line; the device is part of the main line and conventionally assumes device number “0” and line number “0”. The physical address of an area coupler is, for example:

3.0.0 **is the physical address of the coupler connecting the main line of area 3 to the system’s backbone line**

KNX technology

TECHNICAL SECTION

The physical address of the transmitting device is always present in a telegram, working as the “source address” of the message.

3.5.12

The physical address (area.line.device) is used when programming and diagnosing bus devices.

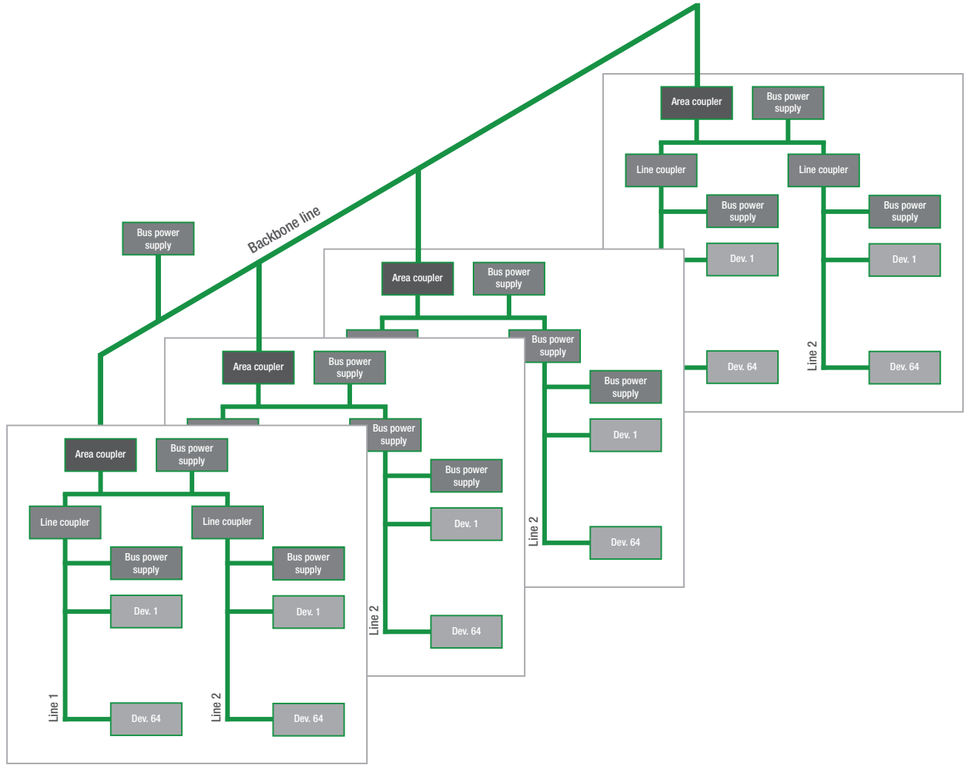
To coordinate the performance of several devices over a particular bus function, a so-called group address is used; this is represented by a two levels structure “main group/subgroup” (e.g. “2/15”) or by a three level structure “main group/middle group/subgroup” (e.g. “2/6/54”). This type of address is almost exclusively used as a “destination” address for telegrams.

2/6/54

The group address is used when commanding and controlling the bus devices.

Power supply

KNX systems work with the 30 Vdc SELV (Safety Extra Low Voltage) voltage, supplied by the bus power supply present on each line: this power feeds the electronic parts of the devices and provides for the transmission of information over the bus. Normally, KNX commands and sensors are exclusively connected to the bus line, while parts of KNX actuators require a separate 230 Vac power supply for commanding connected loads. Some devices may require an auxiliary SELV power supply for their operation.



Normative references

TECHNICAL SECTION

Norms are, by nature, voluntary application dispositions; anyhow, complying with norms constitutes the best guarantee in the choice of a product for designers, installers and end users. In fact, norms are “state-of-the-art” developments in their technology sector and precisely define quality, performance and safe conditions of use for a product. Beyond safety norms regarding all products, the systems for the control of houses and buildings are more often requested to integrate energetic efficiency models, consistently abiding to recent tendencies aiming at global system-envelope system efficiency, more so than seek optimization of single parts. KNX represents an open and interoperable system for the automation of houses and buildings, normed at global level thanks to its conformity with international (ISO/IEC 14543-3), European (CENELEC EN 50090, CEN EN 13321-1 e 13321-2), Chinese (GB/Z 20965) and American (ANSI/ASHRAE 135) norms.

Norm	Title	Notes
ISO/IEC 14543-3	**Information technology - Home electronic system (HES) architecture**	In sight of the great interest towards KNX compatible products and the technology by them consolidated well beyond European markets, the KNX Association took all necessary steps to obtain approval of its own KNX standards at international levels. At the end of 2004, active CENELEC member countries proposed the European EN 50090 norm for ISO/IEC standardization. In November 2006, the KNX protocol and all transmission media (TP, PL, RF and IP) became approved and published under the international ISO/IEC 14543-3-x normative.
EN 50090	**Home and Building Electronic Systems (HBES)**	In December 2003, the KNX protocol and the two TP (twisted pair) and PL (power line) transmission media were approved by the European national committees and ratified by the CENELEC Bureau Technique under the European EN 50090 norm. The transmission medium KNX RF (radio frequency) was approved the month of may 2006.
CEN EN 13321-1	**Open data communication in building automation, controls and building management. Home and building electronic system. Product and system requirements**	Since KNX supplies more and more technical specifications used not only for the automation of electrical devices, but also for HVAC (Heating, Ventilation and Air Conditioning) applications, the KNX Association submitted its specifications to CEN for publishing a European normative for building control systems. CEN accepted the proposal and KNX specifications where published by CEN as EN 13321-1 and EN 13321-2.
CEN EN 13321-2	**Open data communication in building automation, controls and building management. Home and building electronic systems. KNXnet/IP Communication**	
GB/Z 20965	**Control network HBES technology specification - Home and building control**	The great interest demonstrated by China for KNX products and technology was the main reason for the KNX Association to have the international ISO/IEC 14543 norm translated into Chinese. The Chinese standardization committee SAC TC 124 introduced the KNX standard into China and adopted it under the GB/Z 20965 norm in July 2007.
ANSI/ASHRAE 135	**BACnet - A Data Communication Protocol for Building Automation and Control Networks (ANSI Approved)**	Even the interfacing of KNX with other automation systems is now internationally standardized: the norms US ANSI/ASHRAE 135 and ISO 16484-5 support mapping between KNX and BACnet.
CEI EN IEC 63044-3	**2018 Home and Building Electronic Systems (HBES) and Building Automation and Control Systems (BACS)**	Part 3: Electrical safety requirements
CEI EN IEC 63044-5-1	**2017 Home and Building Electronic Systems (HBES) and Building Automation and Control Systems (BACS)**	Part 5-1: EMC requirements, conditions and test set-up

Normative references

TECHNICAL SECTION

The EN 50090 norm

The European EN 50090 norm “Home and Building Electronic Systems (HBES)” was developed at CENELEC from the TC 205 Technical Committee, specifically established in 1996 to write norms covering all relevant aspects of electronic systems dedicated to the control of homes and buildings. Parts of the norm were progressively released and published by the standard committee of several European countries giving birth to the national norms about the electronic systems for homes and buildings.

Beyond the requirements for the development of HBES systems and components, aimed at builders, the norm also defines the criteria for designing, installing and testing an HBES system. The KNX standard is entirely compliant with the EN 50090 norm.

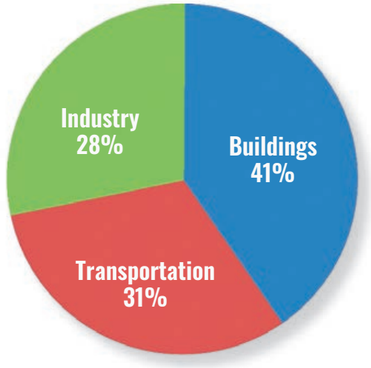
Part	Home and Building Electronic Systems (HBES) - Title of the part	Year
EN 50090-1	Part 1: Standardization structure	**2011**
EN 50090-2-1	Part 2-1: System overview - Architecture	**1998**
EN 50090-2-2/A2	Part 2-2/A2: System overview - General technical requirements	**2008**
EN 50090-2-3	Part 2-3: System overview - General functional safety requirements for products intended to be integrated in HBES	**2006**
EN 50090-3-1	Part 3-1: Aspects of application - Introduction to the application structure	**1997**
EN 50090-3-2	Part 3-2: Aspects of application - User process for HBES Class 1	**2004**
EN 50090-3-3	Part 3-3: Aspects of application - HBES Interworking model and common HBES data types	**2010**
EN 50090-4-1	Part 4-1: Media independent layers - Application layer for HBES Class 1	**2006**
EN 50090-4-2	Part 4-2: Media independent layers - Transport layer, network layer and general parts of data link layer for HBES Class 1	**2005**
EN 50090-4-3	Part 4-3: Media independent layers - Communication over IP	**2008**
EN 50090-5-1	Part 5-1: Media and media dependent layers - Power line for HBES Class 1	**2005**
EN 50090-5-2	Part 5-2: Media and media dependent layers - Network based on HBES Class 1, Twisted Pair	**2005**
EN 50090-5-3	Part 5-3: Media and media dependent layers - Radio frequency	**2007**
EN 50090-7-1	Part 7-1: System management - Management procedures	**2005**
EN 50090-8	Part 8: Conformity assessment of products	**2001**
EN 50090-9-1	Part 9-1: Installation requirements - Generic cabling for HBES Class 1 Twisted Pair	**2005**
CLC/TR 50090-9-2	Part 9-2: Installation requirements - Inspection and testing of HBES installation	**2009**

Energy efficiency in buildings

TECHNICAL SECTION

Based on the fact that buildings in Europe account for over 40% of total energy consumption, the European Union intensified its efforts over the last years so that buildings be projected and re-qualified, thereby restraining consumptions as much as possible. The declared objective is to reduce energy dependence and the emission of polluting and climate-changing gases. The starting point was the publishing of Directive 91 in 2002 about energy performance in building (known as EPBD – Energy Performance Building Directive) - a mandatory implementation for European Union countries – which introduced important new facts, such as the energy performance certification, aimed at informing users about the building's energy performance and leaving up to national measures the identification of the most appropriate interventions needed to increase energy efficiency. The innovative approach required coordinated interventions on the envelope-system integrated system.

Final energy consumption by sector (EU)



The EN 15232 norm

Following the Directive 2002/91/EC, the next step is to pay attention to efficiency recovery in individual behaviours and to concentrate on the relationship between the rate of automation in a building's plan and the corresponding achievable energy saving. This has brought CENELEC to publish the EN 15232 norm, later acknowledged by the standard committee of several European countries. The norm evaluates the savings achievable through the adoption of growing automation levels – both during planning and energy verification operations – and to place buildings in one of four energy efficiency classes: from A (the most efficient) to D (the least efficient).

A
B
C
D

BACS: Building Automation Control System
TBM: Technical Building Management System



A class
A class includes highly energy-efficient buildings, fitted with control and automation systems (BACS) and technical system management (TBM), characterized by high levels of precision and completeness in terms of automatic control.

B class
B class includes energetically advanced buildings, fitted with control and automation systems (BACS) and technical system management (TBM) allowing a centralized-type of control.

C class
C class includes buildings, which are standard from an energy point of view and are fitted with basic control and automation systems (BACS). This class is also used as a reference for the calculation of efficiency factors.

D class
D class includes buildings, which are not energy-efficient, having technical systems exclusively of a traditional type, lacking any kind of automation.

The EN 15232 norm also specifies:
- a structured list of regulation functions, automation and technical management which have a certain effect on the energy efficiency of buildings;
- a method to define minimal requirements to apply for regulation, automation and technical management of buildings of different complexity;
- detailed methods to evaluate the effects of such functions on a specific building;
- a simplified method to reach a first impact estimate of such functions on representative buildings.

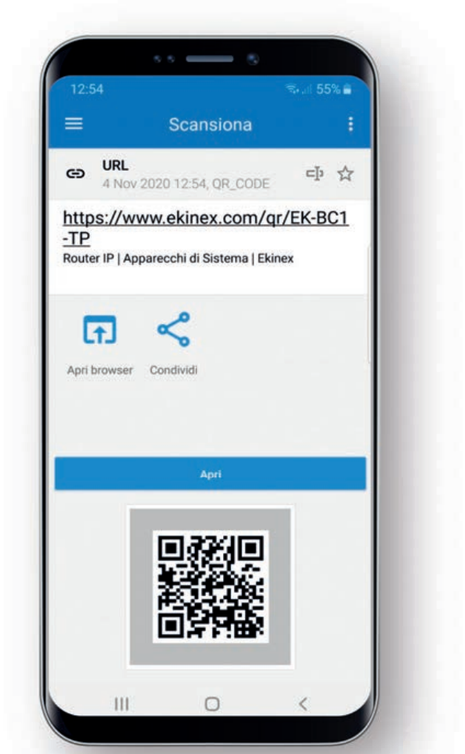
Quality certification

The Ekinex® products described in this catalogue are developed and built in conformity with the quality management system adopted by Ekinex S.p.A. and certified by DNV – Det Norske Veritas – in accordance ISO EN 9001:2008.

Access through mobile devices

All QR* codes appearing on product catalogue pages, provide quick access - at any time and from any place – to technical documentation or any other web content published at www.ekinex.com, by using mobile devices such as smart-phones or tablets. In order to decode QR, one simply must upload to his mobile device any freeware application found online.

(*) QR Code® is a trademark registered by Denso Wave Incorporated



Documentation on the Web

All tech documents for Ekinex® devices are available for download from the www.ekinex.com website, without requiring any registration. The search is free, and products may be searched by their code, family or type. The same documentation can quickly be accessed from within the product pages, too.



ETS application software in several languages

All Ekinex® devices have ETS application software in 4 languages: English, German, French and Italian.

Single packaging

Ekinex® devices are individually protected against shock & dust by means of a dedicated packaging. The label clearly describes the contents and bears both an (EAN) bar-code and a QR. Inside the packaging, the instructions sheet supplies information for the installation of the product.

General terms of sale

Valid for the Ekinex® product range.

1. DEFINITIONS

1.1 In these General Terms and Conditions of Sale, the terms below shall have the following meaning:

a) "Manufacturer": Ekinex S.p.A, with registered office in Vaprio d'Agogna (28010 NO), via Novara 37;

b) "Purchaser": professional customer, sole proprietor or company, requesting the purchase of Ekinex® products;

c) "Party" or "Parties": Ekinex S.p.A. and the Buyer;

d) "Order" or "Orders": the order or purchase orders concerning Ekinex® products issued by the Purchaser to Ekinex S.p.A.;

e) "Products": all Ekinex®-branded products for home and building control, which can be found in the Ekinex® product catalogue in printed and/or electronic form and on the website www.ekinex.com;

f) "General Conditions": the general conditions of sale set out below.

2. SCOPE OF APPLICATION

2.1. These General Terms and Conditions of Sale govern all purchase contracts concerning Ekinex® products concluded between the Parties;

2.2. The Buyer may not invoke or object to any conditions other than those contained in the General Conditions. Consequently, any conditions specified in writing shall have no validity. by the Buyer on the Order, or at any other stage of the contractual negotiation, and also after acceptance or knowledge of the General Conditions, as well as any other terms and conditions that the Buyer may have. General conditions of purchase of the Buyer. The execution, even partial, of the Order by Ekinex S.p.A. or any other fulfilment by Ekinex S.p.A. towards the Buyer is not valid and does not apply to the Buyer. Shall be construed as tacit or implicit acceptance of any general terms and conditions other than these Conditions, unless expressly accepted in writing by Ekinex S.p.A. Even in the event of derogations agreed upon in writing, these conditions shall continue to apply for the parts not expressly derogated.

2.3. The General Terms and Conditions are only valid for contractual relations between Ekinex S.p.A. and professional traders, and therefore Legislative Decree no. 206 of 6 September 2005shall not apply. (Consumer Code) and subsequent amendments.

2.4. Ekinex S.p.A. reserves the right to amend these General Terms and Conditions of Sale at any time, which shall be communicated to the customer without prior notice.
Each contract shall be governed by the General Terms and Conditions of Sale in force at the time the order is placed by the Customer.

3. FORMATION OF THE CONTRACT

3.1. The acceptance by the Buyer of the offer or the confirmation of the order by Ekinex S.p.A., in whatever manner, entails the application of these General Conditions of Sale.

3.2. The offers made by agents, representatives and commercial auxiliaries of Ekinex S.p.A. are not binding for Ekinex S.p.A. until they have been confirmed by Ekinex S.p.A. in writing. The offers of sale made by Ekinex S.p.A. are valid for 30 days from the date of their formulation and are limited to the complete supply of what is listed therein. After the expiry of this period, the offer to sell shall no longer be valid.

3.3. The Order sent by the Purchaser to Ekinex S.p.A. constitutes an irrevocable contractual proposal binding for a period of three months, starting from the moment Ekinex S.p.A. becomes aware of it.

Within the aforementioned three months Ekinex S.p.A., at its sole discretion, reserves the right to accept or refuse the Order, informing the Buyer accordingly.

In the event that the order confirmation of Ekinex S.p.A. differs from the order sent by the Buyer with regard to the quantity of products, prices, discounts and delivery methods, this confirmation shall be considered as a counter proposal by Ekinex S.p.A., which must be expressly accepted by the Buyer in order for the contract to be considered concluded.

3.4. By sending the order, the Customer acknowledges and declares that he/she has read all the information provided to him/her during the purchase procedure and that he/she fully accepts these General Terms and Conditions of Sale.

3.5. Acceptance is expressed by a confirmation e-mail sent to the e-mail address indicated by the Customer. The confirmation message shall contain the date and time of the order and a 'Customer Order Number' to be used for any further communication with Ekinex S.p.A.. The customer may monitor the status of the order at any time by contacting Ekinex S.p.A. at the following telephone number +39 0321 1828980 or at the following e-mail address sales@ekinex.com.

3.6. If the Buyer cancels the Order before its acceptance or execution by Ekinex S.p.A., Ekinex S.p.A. may ask the Buyer to reimburse the costs of the Order.

4. PRODUCT AVAILABILITY

4.1. Ekinex S.p.A. reserves the right to change the Ekinex® product catalogue and the technical characteristics of the products without prior notice.

4.2. If one of the requested products is not available, Ekinex S.p.A. undertakes to contact the Customer within 20 working days from the time of placing the order, communicating by e-mail, to the email address provided by the customer, the unavailability and possible alternative solutions. In this case, the customer can wait for the delivery of the order, if Ekinex S.p.A. believes that it can be found on the market.
The product is not available or cancel the order and receive a refund of any price already paid.

4.3. Before purchasing each product, carefully check the installation requirements according to the regulations of the country where the installation will take place and compatibility according to the design specifications.

4.4. Ekinex guarantees the correct installation of its products only with the flush-mounting boxes shown in the planner or technical catalogue.
For the use of different flush-mounting boxes we recommend that you contact our technical support (support@ekinex.com) or check the correct installation yourself.

General terms of sale

5. PAYMENT METHODS

5.1. The prices of the products refer to the price list in force at the time of acceptance of the sale offer by the Buyer or at the time Ekinex S.p.A. issues the order confirmation.

Ekinex S.p.A. reserves the right to modify the current price list at any time, after written notice to the Buyer, in the event of increases in the cost of raw materials,

labour costs or any other factor leading to a significant increase in production costs. The prices of the products are always Ex-Carrier (FCA Incoterms 2010) and therefore the risks related to

the supply shall pass to the Buyer at the time the products are handed over to the carrier, unless otherwise agreed upon in writing between the parties.

5.2. Payments must be made in accordance with the relevant information contained in the sales offer or order confirmation. Payments and any other sum due for any reason to Ekinex S.p.A. shall be made at its domicile and, unless otherwise agreed, in Euros.

5.3. Any delay or irregularity in payment gives Ekinex S.p.A. the right to

a) suspend ongoing supplies, even if not related to the payment in question;

b) vary the terms of payment and discount for subsequent supplies, including by requiring advance payment or the provision of additional guarantees;

c) demand, from the due date for payment and without the need for formal notice, default interest on the sum still due, at the rate provided for by the rules of the law currently in force for commercial transactions (in particular Legislative Decree 231/2002 and subsequent additions), without prejudice in any case to the right of Ekinex S.p.A. to claim compensation for any additional costs incurred damage suffered. Moreover, in the above mentioned cases, any amount due to Ekinex S.p.A. for any reason whatsoever becomes immediately due. The Buyer shall be obliged to pay the products in full even if exceptions, disputes or controversies arise which will only be settled after payment of the amount due;

d) terminate the contract pursuant to Article 1456 of the Italian Civil Code by notifying by registered letter with return receipt or certified e-mail the intention to exercise this right.
The termination shall be effective for both parties from the date of receipt of the communication.

6. TRANSPORT AND DELIVERY OF PRODUCTS

6.1. The delivery of the goods is Ex-Carrier (FC Incoterms) and therefore the risks relating to the supply pass to the Buyer at the moment the products are handed over to the carrier, unless otherwise stated written agreements between the parties.

The delivery terms, unless expressly agreed otherwise, are purely indicative. In the event that the execution of the order is prevented by the occurrence of circumstances of force majeure, by the failure to regularity of supplies of raw materials or other unforeseeable circumstances occurring, the delivery terms shall be deemed extended and new terms shall be determined by mutual agreement between the parties, without any compensation and/or damages being awarded for the delay in delivery.

6.2. Upon delivery of the goods by the courier, the Customer is obliged to check that the contents of the package delivered correspond to what was ordered and indicated in the invoice sent by email.

Any damage to the packaging and/or to the product or the mismatch between the number of packages and the invoice must be reported within 3 working days of delivery to customer service of Ekinex S.p.A. at the following e-mail address sales@ekinex.com. After the expiry of this period, the customer may no longer make any complaints about the external characteristics of the product delivered as well as on the number of packages received.

7. FORCE MAJEURE

7.1 Force Majeure is the occurrence of an event or circumstance ("Force Majeure Event") which prevents a party from performing one or more of its contractual obligations if, and to the extent that, the party who suffers the event feels:

(a) that such impediment is beyond its reasonable control;

(b) the event could not reasonably have been foreseen at the time of the conclusion of the contract;

(c) that the effects of the impediment could not reasonably have been avoided or overcome by the Interested Party.

7. 2 Where a party fails to perform one or more of its contractual obligations because of the non-performance of a third party, entrusted by the party to perform all or part of the contract, that party may invoke force Majeure only to the extent that the requirements of paragraph 1 are met by both the party and the third party.

7.3 In the absence of proof to the contrary, the following events suffered by a party shall be presumed to satisfy the conditions of paragraph 1 of this clause and that party shall only have to prove the existence of the condition in paragraph 1.

(a) war (whether declared or not), hostilities, invasion, acts of a foreign enemy, extensive military mobilisation;

(b) civil war, riot, rebellion, revolution, military force or usurpation of power, insurrection, acts of terrorism, sabotage or piracy;

(c) currency or trade restrictions, embargoes, sanctions;

(d) acts of authority, whether lawful or unlawful, compliance with laws or governmental orders, regulations, expropriation, confiscation of property, requisition, nationalisation

(e) plague, epidemic, natural catastrophe or extreme natural events;

(f) explosion, fire, destruction of equipment, prolonged suspension of transport, telecommunications or power

g) generalised social conflicts, such as, in particular, boycotts, strikes and lock-outs, white strikes, occupation of factories and buildings.

General terms of sale

7.4 The Interested Party shall notify the other party without delay of the occurrence of the event.

7.5 The party who successfully invokes this Clause shall be released from its obligation to perform its contractual obligations, from any liability for damages or other contractual remedy for non-performance, from the time the event inhibits the performance of its contractual obligations, provided that it has been notified without delay. If notice of the event has not been given promptly, the release takes effect from the time when the notice reaches the other party. The other party may suspend performance of its obligations, if any, from the date of the notice.

7.6 If the effect of the impediment or event invoked is temporary, the consequences referred to in paragraph 5 shall occur only to the extent and for as long as the impediment or event invoked prevents the interested Party from performing its contractual obligations. The Interested Party shall inform the other Party as soon as the impediment ceases to prevent the performance of its contractual obligations.

7.7 The Interested Party shall take all reasonable steps to limit the effects of the invoked event on the performance of its contractual obligations.

7.8 If the duration of the invoked impediment has the effect of substantially depriving one or both parties to the contract of what they could reasonably expect under the contract, each party shall have the right to terminate the contract by giving notice to the other party within a reasonable period. The parties agree that, unless otherwise agreed, the contract may be terminated by either party if the duration of the impediment exceeds 120 days.

7.9 If paragraph 8 applies, and one of the parties has derived a benefit from the performance of the contract before its termination, it will be obliged to compensate the other party for the value of that benefit.

8. GUARANTEES

8.1. Ekinex S.p.A. guarantees the conformity of the Ekinex® products with the legislation and technical standards in force in the EEC.

8.2. Ekinex S.p.A. guarantees that the quality and type of the delivered products correspond to the contract and that they are free from defects that could make them unsuitable for the use for which they are intended.

The guarantee for construction defects is limited to those defects of the products that are attributable to defects in the material used or to design and construction problems attributable to Ekinex S.p.A..

All Ekinex® products sold by Ekinex S.p.A. are covered by the warranty for good functioning and the warranty for defects and/or faults in design and manufacture for a period of 24 months and therefore also in accordance with the Consumer Code if the end user is a consumer.

8.3. The warranty operates from the date of delivery of the goods by Ekinex S.p.A., except for the parts that are subject to normal wear and tear. After the expiration of this period, the warranty ceases, even if the products have not been put into operation for any reason at the end user.

Please note that the warranty on the products purchased from Ekinex S.p.A. is subject to the full payment of the products.

8.4. The above mentioned warranty is effective on condition that the products have been stored and used in accordance with the instructions in the General Catalogue and the technical data sheets provided by Ekinex S.p.A., that no repairs, modifications or alterations have been carried out without the prior written consent of Ekinex S.p.A. and that the defects found have not been caused by chemical or electrical agents.

8.5. The Purchaser shall report any defects in writing no later than 8 days after the delivery of the products, while the report of any hidden defects and/or operating defects (that can only be detected after the use of the product) must be made within 8 days after the discovery of the defect.

The warranty does not apply in the event of malfunctions of the software installed on the Product, which are due to overloads, electrical phenomena due to atmospheric events, interruptions and/or suspensions of electricity.

8.6. The notification of defects, including hidden defects, must be made in writing to Ekinex S.p.A. by sending a communication to support@ekinex.com within the prescribed period, indicating 1) the reference of the invoice with which the product was purchased, 2) the serial number of the product, 3) a brief technical report of the defects or non-conformities found and 4) if the end user is a consumer, the communication with which the latter has complained about the defect.

8.7. If the purchaser does not allow Ekinex S.p.A. to carry out any reasonable checks as requested by Ekinex S.p.A. and does not return the defective products to Ekinex S.p.A. within 60 days after delivery, the warranty right is forfeited.

In order to return the defective products, Ekinex S.p.A. shall, unless otherwise agreed, collect the defective material at its own expense according to the instructions on the day and place agreed upon by the parties. After the return, the defective products shall become the exclusive property of Ekinex S.p.A..

After the expiration of the above mentioned terms, Ekinex S.p.A. shall consider the latter as forfeited from the warranty and therefore invoice the products sent to replace the defective ones and consequently request the payment of the same.

8.8. Ekinex S.p.A., a) supply products of the same type (or equivalent) and quantity of those found to be defective free of charge at the registered office of the purchaser (DAP Incoterms 2010), subject to the return of the replaced products by the customer in the terms and conditions stated in paragraph 7. b) repair the defective products at the customer's premises, in accordance with the terms and conditions stated in paragraph 7. 7: b) repair the defective products if Ekinex S.p.A. does not find the necessity or urgency for an immediate replacement of the same; c) issue a credit note in favour of the Purchaser for an amount equal to the value indicated on the invoice of the returned products.

Ekinex S.p.A. shall only provide in the above ways if the purchaser has done everything within its competence.

Unless otherwise agreed between the Parties, it is understood that all the expenses related to the interventions carried out by the technical assistance of Ekinex S.p.A. shall be borne by the same.

Both in case of replacement and repair of defective products or components, the original warranty period shall continue to run, which shall not be renewed.

It should also be noted that once the correctness of the warranty request has been established Ekinex S.p.A. will only replace the defective products as indicated in this point 7.8, thus excluding that the customer may request the termination of the contract and/or compensation for damages.

General terms of sale

8.9 In the event that the defects of the products are not attributable to Ekinex S.p.A., the costs of repair and replacement of the products will be charged to the customer.

The warranty referred to in this article is in lieu of the legal warranties for defects and conformity and excludes any other possible liability of Ekinex S.p.A. arising from the products supplied. In particular, the Purchaser may not make any other claims for damages and Ekinex S.p.A. shall not be held responsible for indirect or consequential damages.

9. INDUSTRIAL PROPERTY

9.1. Ekinex S.p.A. remains the exclusive owner of the patents, drawings, projects and everything used for the manufacture of the Products, which the Purchaser therefore undertakes not to hand over to third parties, reproduce or use. If the manufacture of the Products is carried out by Ekinex S.p.A. upon the specific request and technical documentation of the Buyer, Ekinex S.p.A. shall not assume any responsibility for the infringement of industrial property rights of third parties, which shall instead be the exclusive responsibility of the Buyer, who undertakes to guarantee and keep Ekinex S.p.A. indemnified and unharmed against any claim made against it.

9.2. The Purchaser undertakes to use the trademarks of Ekinex S.p.A. only for the purpose of identifying, advertising and selling the Products, and shall refrain from depositing them or having them deposited without the prior written consent of Ekinex S.p.A..

10. TERMINATION AND WITHDRAWAL

10.1 The buyer, in accordance with article 1454 of the Italian civil code, must give Ekinex S.p.A. a written notice to comply with the contract within a period of time that is not less than 30 days, before acting to terminate the contract due to non-fulfilment. If Ekinex S.p.A. has started to perform within this period, the buyer shall not be able to terminate the contract. (A termination period for Ekinex may also be included, but the termination for non-payment may be decided on the basis of the obligations imposed on the customer in addition to the payment).

10.2 Both parties may withdraw from the contract, however in addition to the provisions of Italian law Ekinex S.p.A. may also withdraw from the contract in the event of a force majeure event as specified in Article 7 of the general terms and conditions of sale prepared by Ekinex S.p.A..

Both parties must therefore communicate their intention to withdraw from the contract by registered letter or certified email and the withdrawal will take effect from the date of receipt of the communication.

10. COMPENSATION FOR DAMAGES

10.1. The liability of Ekinex S.p.A., whether arising from the execution or non-execution of the contract, from the warranty, from an illegal act or from an objective liability, shall not in any case exceed the value of the product to which this liability relates. Under no circumstances shall Ekinex S.p.A. be liable for loss of profit or loss of use or downtime of the product or any associated machinery, for claims by the Buyer and/or third parties relating to the aforementioned damages or for any other indirect or consequential damages.

11. CONFIDENTIALITY

11.1. The Purchaser agrees to (i) treat the information/data/documents/know how/documents received and/or learnt from Ekinex S.p.A. as confidential, (ii) limit the use of such confidential information/documents and the access to them for purposes related to the execution of the contract. Confidential information/documents may not be reproduced without the prior written consent of Ekinex S.p.A., and all copies of such information/documents shall be immediately returned upon request by Ekinex S.p.A..

The above provisions do not apply to information that: (i) is public or becomes public other than by disclosure by the Buyer, its employees or collaborators, or (ii) was in the possession of the Buyer before it was received by Ekinex S.p.A. or (iii) was disclosed by sources that are not subject to the restrictions to which the Buyer is subject regarding its use, or (iv) can be disclosed to third parties based on a written authorization of Ekinex S.p.A.

12. APPLICABLE LAW AND PLACE OF JURISDICTION

12.1. These General Conditions and the related supply contracts shall be governed by Italian law.

The Court of Novara shall have exclusive jurisdiction over any dispute relating to or in any case connected to the contracts to which these General Conditions apply.

13. COVID-19 CLAUSE

13.1 By signing this deed, the Purchaser declares that he is aware that the epidemiological emergency in progress due to the spread of the Coronavirus (Covid-19) and the regulations adopted to combat the aforementioned pandemic could have an effect on the fulfilment and execution of orders placed with Ekinex S.p.A..

13.2 Ekinex S.p.A. reserves the right to extend the terms, apply additional costs or amend these general terms and conditions of sale in the event that the condition referred to in the previous point occurs, after notifying the Purchaser.

14. CONTACTS

14.1 Indicate Ekinex's contact details + addresses for any communications.

15. VEXATIOUS CLAUSES

15.1 The customer expressly declares that he/she accepts and approves in accordance with articles 1341 and 1342 of the Civil Code the following clauses:
2. Applicable law and competent court; 5. Terms of payment; 6. Transport and delivery of products; 8. Guarantees; 10. Applicable law and competent court; 13 Covid-19 clause.

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Ekinex® product catalogue - September 2026
The technical information included in this catalogue is to be deemed purely indicative.
The company reserves the right to modify any piece of information with no advance notice.

For installation, connection and commissioning of Ekinex® devices, please refer to the related technical documentation.

For the availability of Ekinex® products on your market, please contact the Ekinex® sales department (sales@ekinex.com).

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