

**WHO
WE
ARE
TECH**

ekinex

WHO
WE
ARE
TECH

ekinex



OUR DNA | *Il nostro DNA*

Siamo nati nel 2012, forti delle nostre esperienze nel settore dell'automazione industriale e dell'elettronica. Arricchendo questa competenza, maturata in oltre 30 anni, con la passione per il design, nasce il progetto Ekinex.

We were established in 2012, building on our experience in the industrial automation and electronics sector. By enriching this expertise, gained in over 30 years, with a passion for design, the Ekinex project was born.

MILESTONES | Il gruppo e la storia

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Il 2019 ha segnato una svolta nell'assetto societario con l'entrata del Gruppo Caleffi, leader nel settore idro-termo sanitario.

Unendo le competenze e le energie di due gruppi abbiamo dato forza e spessore al progetto.

2019 marked a turning point in the company's structure with the entry of the Caleffi Group, a leader in the plumbing and heating sector.

By combining the skills and energies of two groups, we have given strength and depth to the project.

SBS Group
1994

EKINEX S.p.A.

Caleffi Group
1961

SBS
Estendo
Zancaner
Sitec
Renovis
Telestar

Caleffi
Pressco
RDZ
Cristina

Avvio della prima fase di lavoro attraverso la costituzione del gruppo R&D, dedicato al progetto Ekinex, all'interno di SBS S.p.A.

The first work phase is started by setting up the R&D group dedicated to the Ekinex project, within SBS S.p.A.

2012
SETTEMBRE
SEPTEMBER

2014
MARZO
MARCH

Ampliamento della gamma prodotti con la presentazione della serie 71.

Expansion of the product range with the launch of the 71 series.

2018
FEBBRAIO
FEBRUARY

Avvio della seconda fase con l'inaugurazione della nuova sede. Pubblicazione del nuovo catalogo, consolidamento della gamma prodotti e finiture.

The second phase begins with the inauguration of the new headquarter. Publication of the new catalogue, consolidation of the range of products and finishes.

2018
DICEMBRE
DECEMBER

Costituzione di Ekinex S.p.A. come entità autonoma e separata da SBS S.p.A.
Inizio del dialogo con il Gruppo Caleffi in qualità di partner strategico.

Establishment of Ekinex S.p.A. as an independent entity separated from SBS S.p.A.
Start of negotiations with the Caleffi Group as a strategic partner.

2019
LUGLIO
JULY

Cessione del 49% di Ekinex S.p.A. al Gruppo Caleffi.
L'azienda si apre verso nuove opportunità di crescita nel settore HVAC.

Acquisition of 49% of Ekinex S.p.A. by the Caleffi Group.
As a result, the company opens up to new growth opportunities in the HVAC sector.

2019
NOVEMBRE
NOVEMBER

Ampliamento degli spazi di lavoro e del magazzino.
Avvio della terza fase con il potenziamento della rete commerciale.

Expansion of work spaces and warehouse. Start of the third phase with the enhancement of the commercial network.

2020
MAGGIO
MAY

Acquisizione di una partecipazione di maggioranza in Domotica Labs, azienda leader nella produzione di controlli di supervisione per gli edifici.

Acquisition of a majority stake in Domotica Labs, a leading company in the production of supervisory control for buildings.

2023
MARZO
MARCH

Acquisizione totale di Domotica Labs all'interno di Ekinex S.p.A.

Complete acquisition of Domotica Labs within Ekinex S.p.A..

2024

Ampliamento sito produttivo e internalizzazione filiera.

Expansion of production site and internalisation of supply chain.

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WHERE WE ARE

| *Dove siamo*

La nostra sede è in Italia ed operiamo in tutto il mondo.
Abbiamo partner esclusivi in Australia, India e Repubblica Ceca.

We are based in Italy and we operate all over the world.
We have exclusive partners in Australia, India and Czech Republic.

Headquarters

Ekinex S.p.A.
Via Novara, 37
I-28010 Vaprio d'Agogna (NO) Italy
info@ekinex.com



SOLUTIONS FOR CONTEMPORARY LIVING

Da sempre crediamo nella tecnologia che semplifica la vita e con questo obiettivo realizziamo dispositivi che rendono più semplici i gesti di tutti i giorni.

Alle esigenze del vivere contemporaneo, rispondiamo con soluzioni da noi studiate e realizzate che aiutino a raggiungere il vero benessere abitativo.

Soluzioni per il vivere contemporaneo

We have always believed in technology that simplifies life and with this in mind we produce devices that make everyday gestures easier.

To the needs of contemporary living, we respond with solutions designed and realised that help to achieve true well-being in the home.



MADE IN ITALY

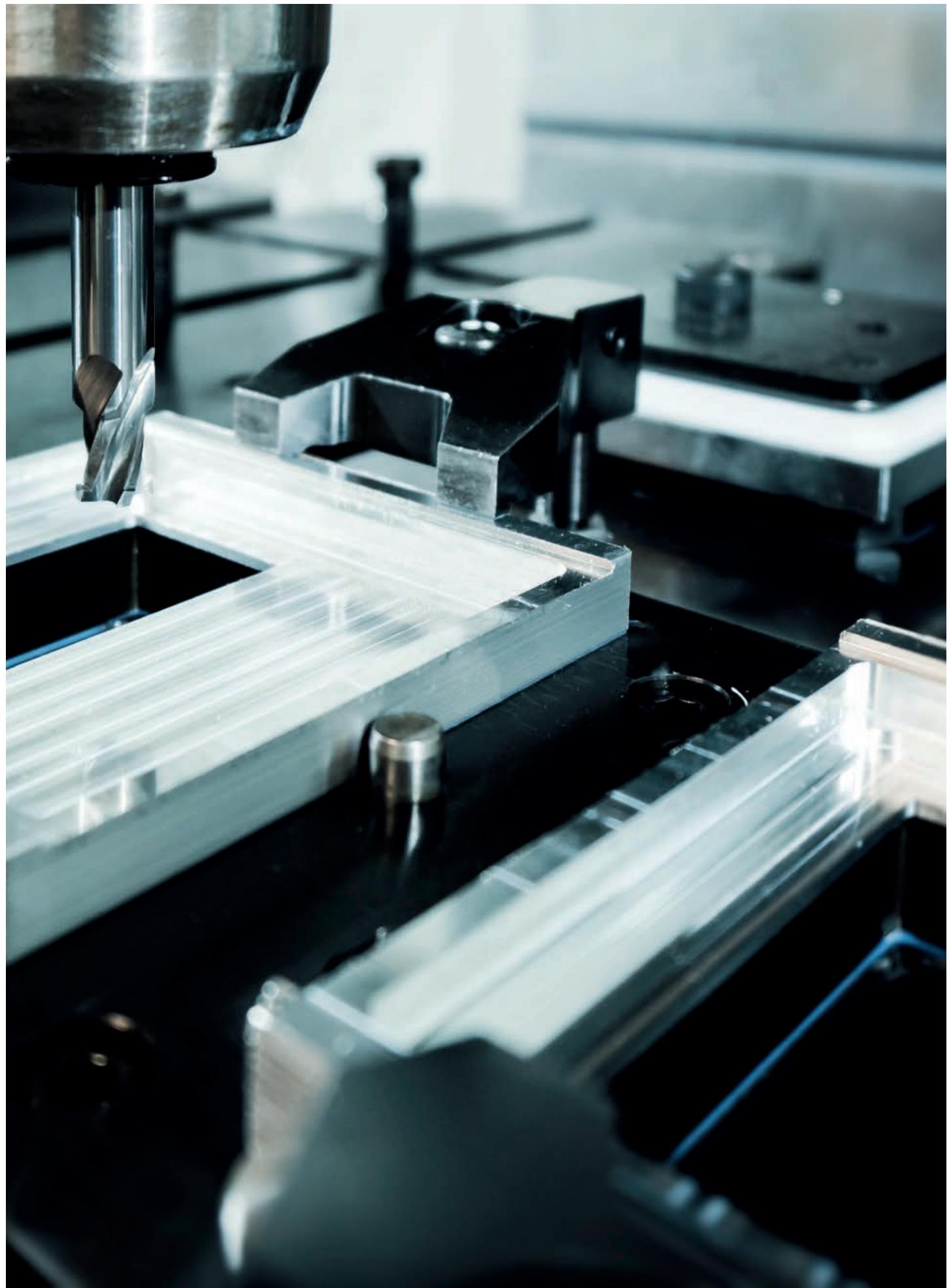
Pensato e realizzato in Italia

I nostri prodotti racchiudono in sé l'essenza del Made in Italy: design, cura dei dettagli, avanguardia tecnologica ed innovazione. Pensati per un mercato globale, sono espressione della nuova tradizione italiana, che coniuga l'attenzione artigianale all'alto livello tecnologico. Il gusto per l'estetica si rinnova creando nuove suggestioni.

Our products hold the essence of Made in Italy: design, attention to detail, cutting-edge technology and innovation. Designed for a global market, they are the expression of the new Italian tradition, which combines craftsmanship attention to high technology. The taste for aesthetics is renewed, creating new suggestions.



Project: Cantine Nervi
Location: Italy



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HOW WE DO IT

Scelte di qualità

Abbiamo scelto di presidiare l'intera filiera produttiva, dalla ricerca e sviluppo alle certificazioni, dalla realizzazione dei prodotti all'assistenza tecnica pre e post vendita. Puntiamo a soddisfare i più alti standard qualitativi a partire dalle componenti SW, FW, HW fino agli elementi estetici dei nostri prodotti. Le nostre soluzioni sono native KNX, l'unico vero standard mondiale di comunicazione.

We have chosen to cover the entire production chain, from research and development to certification, from product technical assistance before and after sales. We aim to meet the highest quality standards, from the SW, FW and HW components to the aesthetic elements of our products. Our solutions are native KNX, the only true worldwide communication standard.

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A BETTER LIFE

Migliorare la qualità della vita

Crediamo nell'utilizzo consapevole della tecnologia, un'alleata per migliorare la qualità della vita delle persone. Sviluppiamo il concetto di well-tech nel mondo dell'abitare. Comfort, sicurezza, controllo ed esperienza sono le parole chiave che tracciano il nostro percorso, oltre il concetto di domotica, verso un autentico benessere abitativo.

We believe in the conscious use of technology, an ally to improve the quality of people's lives. We develop the well-tech concept in the world of living. Comfort, safety, control and experience are the keywords that trace our path, beyond the concept of home automation, towards a true wellness of living.

Project: Canaves Oia Suites
Location: Greece

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SIMPLIFY YOUR LIFE

| *La tecnologia che semplifica la vita*

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Crediamo nella tecnologia che semplifica la vita.
Realizziamo dispositivi che rendono più semplici i gesti di tutti i giorni.
Coniughiamo tecnica ed estetica per dare vita a qualcosa di unico,
che unisca due mondi solo apparentemente distanti.

We believe in technology that simplifies life.
We produce devices which make everyday gestures easier.
We combine technology and aesthetics to create something unique,
combining two worlds only apparently distant.

Project: Casa P
Location: Italy



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A PERFECT BALANCE

Abbiamo dato vita ad oggetti che non sono puro esercizio estetico, ma la combinazione tra l'amore per il bello e l'applicazione equilibrata ed intelligente della tecnologia.

We have created objects that are not purely aesthetic exercises, but the combination of a love of beauty and the balanced and intelligent application of technology.

*La tecnologia incontra
il design*

Project: The Colossus Apartment
Location: Ukraine



Project: Casa Sedici Tre
Location: Italy

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FAMILY FEELING

Coerenza stilistica

Prodotti concepiti e creati seguendo una linea stilistica armonica, lavorando sui dettagli, affinché l'interazione con l'ambiente sia bella, pulita, essenziale.

Products conceived and created following a harmonious stylistic line, working on details, so that the interaction with the environment is beautiful, clean, essential.

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Settore residenziale

RESIDENTIAL

Le nostre soluzioni portano valore in tutti gli ambienti, arricchendone lo stile ed enfatizzandone la qualità dell'abitare.

Our solutions bring value to all rooms, enriching their style and emphasising the quality of living.

Project: Dobra 32
Location: Poland

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Settore alberghiero

HO.RE.CA.

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Coniughiamo le esigenze di ospiti e gestori, offrendo soluzioni in grado di migliorare l'esperienza del soggiorno e l'efficienza nel management dello stesso. Dalla gestione delle camere alle zone comuni, dalle piscine alle aree benessere fino alle aree di ristorazione, creiamo lo scenario perfetto per la clientela ed il vero valore aggiunto per chi gestisce la struttura.

We combine the needs of guests and managers, offering solutions that can improve the experience of the stay and the efficiency in facility management. From room management to common areas, from swimming pools to wellness areas to dining areas, we create the perfect scenario for guests and the real added value for hotel managers.

Project: Small Luxury Hotel
Location: Greece



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Settore terziario

OTHER APPLICATIONS

Che si tratti di uffici o studi, showroom, aziende o musei, nessun grande edificio può funzionare oggi senza un sistema di building automation innovativo e strutturato.

Massima efficienza nell'uso delle risorse e massimo comfort nella godibilità degli ambienti.

Whether offices or studios, showrooms, companies or museums, no large building can function today without an innovative and structured building automation system.

Maximum efficiency in the use of resources and maximum comfort in the enjoyment of the environment.

Project: Bathroom & shower showroom
Location: Italy

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Settore navale

MARINE

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Un settore altamente esigente in cui la scelta di ogni dettaglio non può prescindere dalle prestazioni richieste dall'ambiente esterno. Rispondiamo alle aspettative dell'armatore offrendo soluzioni di pregio ed altamente performanti.

A highly demanding sector in which the choice of every detail cannot disregard the performances required by the external environment. We respond to the expectations of the shipowner by offering valuable and high-performance solutions.

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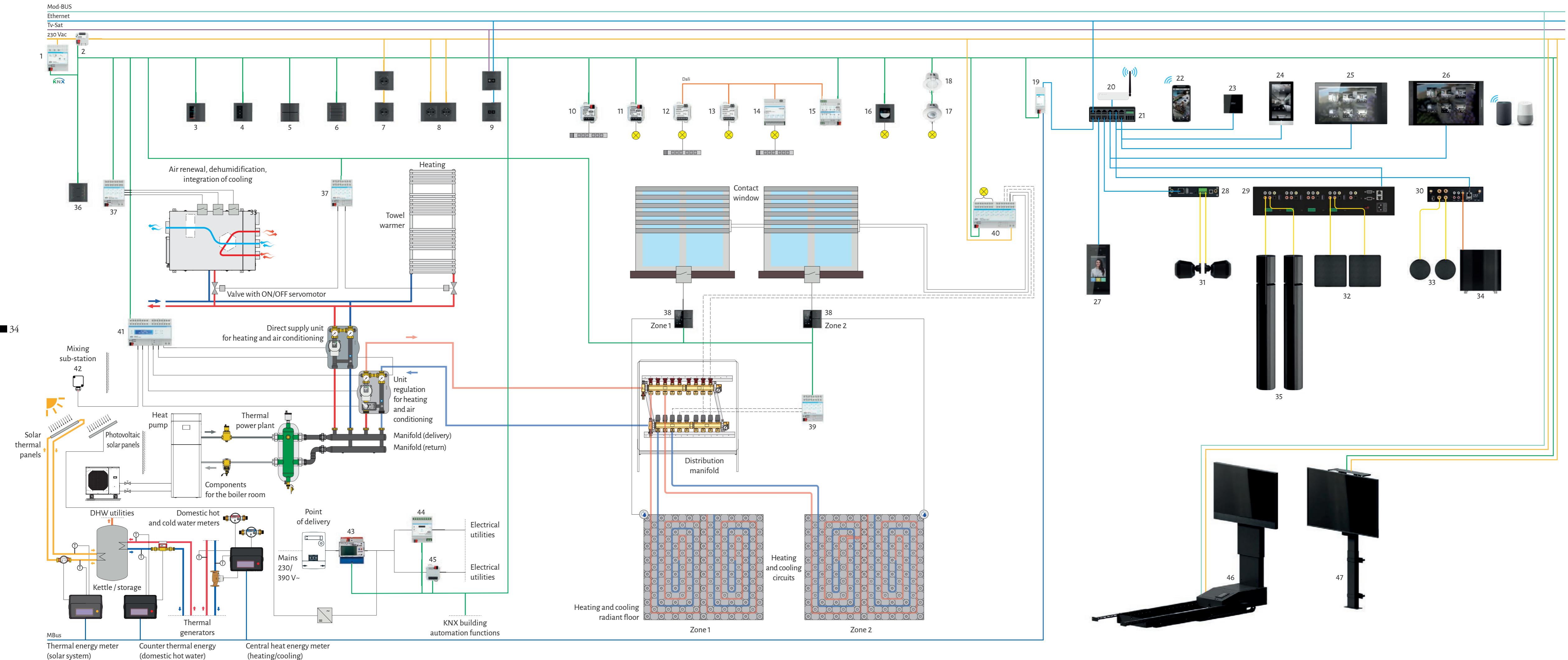
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ONE BRAND SOLUTIONS

Semplificare la vita delle persone, semplificare il lavoro ai propri partner: questo è lo spirito che anima la proposta di Ekinex: **un unico interlocutore** che risponde alle esigenze del mercato **con soluzioni integrate**, efficienti, affidabili.

Simplifying people's lives, making life easier for its partners: this is the spirit that drives the Ekinex proposition: **a single point of contact** that responds to market needs with integrated, efficient, reliable solutions.



GENERAL APPLICATION DIAGRAM

Nr	Code	Description
1	EK-AB1-TP	639 mA bus power supply
2	EK-CF2-TP	Load monitoring and control interface
3	EK-EV3-TP	Signum 'virtual' pushbutton
4	EK-E2E-TP	2oventi series pushbutton
5	EK-ED2-TP	FF series pushbutton
6	EK-E13-TP	71 series pushbutton
7	EK-PWS-..	Square electrical socket (55x55 mm module)
8	EK-PWS-..	Electrical socket for 2-fold plate (55x55 mm module)
9	EK-KSX-...	Keystone System
10	EK-GD2-TP-1-LV	KNX 12/48 Vdc Dimmer
11	EK-GD2-TP-1-HV	KNX dimmer 90-230V~50/60Hz
12	EK-GD2-DL-1-LV	DALI Dimmer 12/48 Vdc 1 channel
13	EK-GD2-DL-1-HV	DALI Dimmer 90-230V~50/60Hz
14	EK-GD1-DL-4-HV	DALI Dimmer 90-230V~50/60Hz 4 channels
15	EK-BF1-TP-D1	KNX / DALI gateway 1 channel
16	EK-SN2-TP-GA_	Motion Sensor
17	EK-SG2-TP-M	KNX Secure multi-function movement sensor
18	EK-SG2-TP-P	KNX Secure multifunctional presence sensor
19	EK-DEL-SRV-BAS-200-TP	Delégo server
20		Modem router
21		Switch POE
22	DELÉGO APP	Delégo App (Android / iOS)
23	EK-DEL-4-PAN-S	Delégo Panel Smart 4"
24	EK-DEL-5-PAN-P	Delégo Panel Premium 5"

Nr	Code	Description
25	EK-DEL-8-PAN-S	Delégo Panel Smart 8"
26	EK-DEL-10-PAN-S	Delégo Panel Smart 10"
27	EK-5DP-VI	Dico IP door phone
28	EK-30S-AU	Streamer amplifier 30W 1 zone
29	EK-50Q-AU	Streamer amplifier 50W 4 zones
30	EK-80S-AU	Streamer amplifier 80W 1 zone
31	EK-SP30B2-AU	Wall-mounted acoustic speaker IP66
32	EK-R..	Ekinex by Laboratorio Audio R Series Acoustic Speakers
33	EK-T..	Ekinex by Laboratorio Audio T Series acoustic speakers
34	EK-K... EK-Q5... EK-Q6...	Ekinex by Laboratorio Audio SUB K27 acoustics speakers
35	EK-OMNI-... EK-IRIDE-...	Ekinex by Laboratorio Audio Omni/Iride loudspeakers
36	EK-ES3-TP	Air quality multisensor and regulator
37	EK-FE1-TP	Binary output 8 channels / shutter actuator 4 channels
38	EK-EQ3-TP	Room thermostat
39	EK-HE1-TP	8-channel actuator / controller for electrothermal actuators
40	EK-FF1-TP	16-fold binary output / 8-fold blind actuator
41	EK-HH1-TP	Mixing group controller
42	EK-STE-10K-3334	Outdoor temperature probe
43	EK-ME1-75D-TP	Three-phase MID electricity meter 75A
44	EK-MS1-TP-20D	Three-phase secondary energy meter
45	EK-MS1-TP-5TA	Single-phase secondary energy meter
46	EK-BTV-BL	Under Bed lift TV
47	EK-LTV-BL	Up&Down lift TV

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TECH AREA

TECH AREA mostra la grande versatilità della gamma di prodotti Ekinex.

Fornisce una panoramica di immediata comprensione delle applicazioni realizzabili e permette di individuare rapidamente i dispositivi più adatti alle esigenze individuali per i compiti di comando, controllo e monitoraggio.

Completano il tutto, descrizioni sintetiche di prodotto e rimandi alle informazioni tecniche di dettaglio attraverso i pratici QR code.

TECH AREA shows the great versatility of the Ekinex product range.

It provides an at-a-glance overview of the applications that can be realised and allows you to quickly identify the most suitable devices for individual requirements for command, control and monitoring tasks.

This is complemented by concise product descriptions and references to detailed technical information via practical QR codes.

DELÉGO SUPERVISION

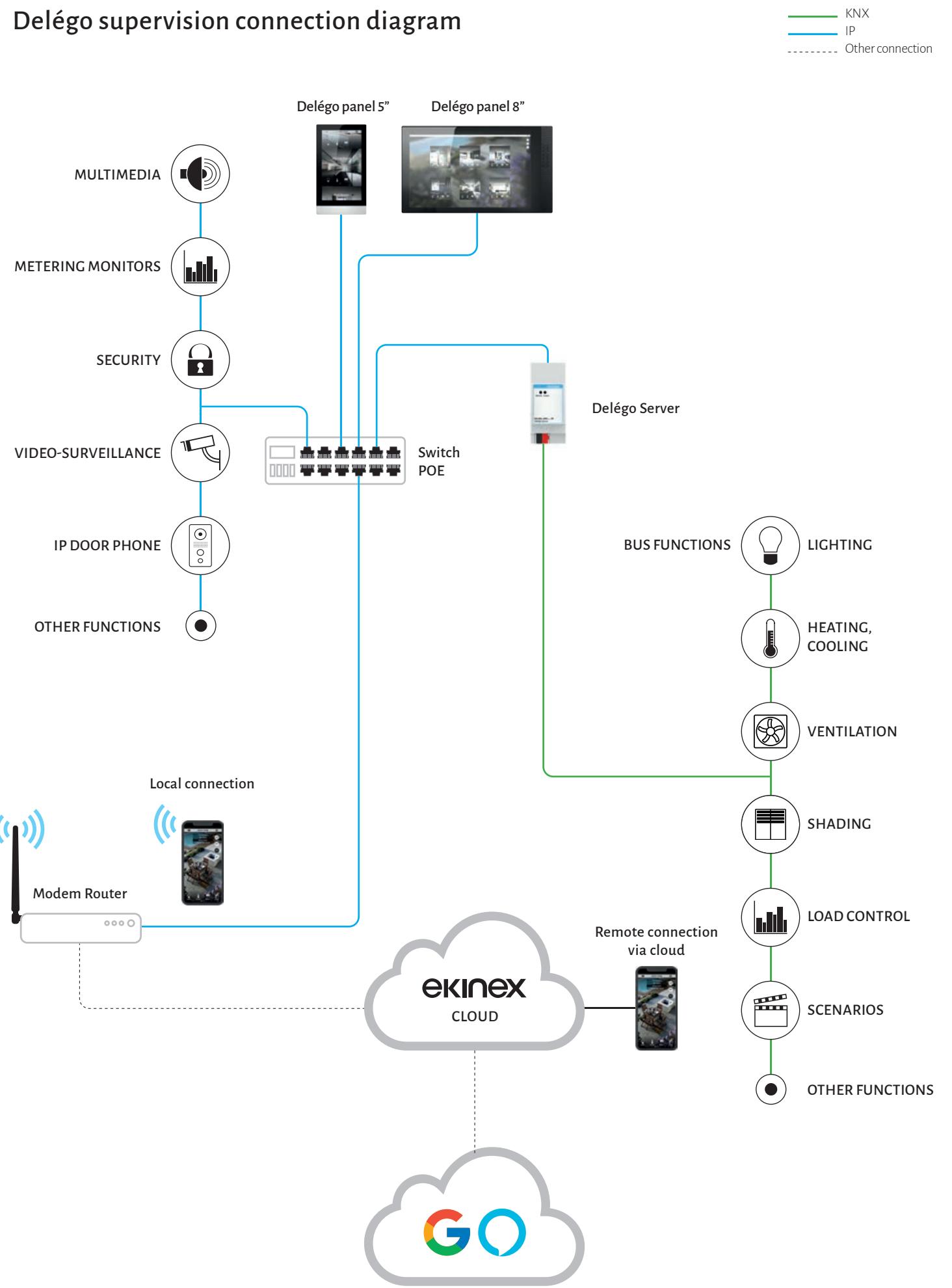
*Supervisione
Delégo*

Grazie a Delégo resti connesso con la tua casa da qualsiasi luogo e in qualsiasi momento della giornata. Delégo controlla ogni ambiente assicurandoti sicurezza, benessere e comfort. Crea per te lo scenario più adatto ad ogni momento della giornata lasciandoti libero di goderti ogni attimo.

Thanks to Delégo you remain connected to your home at all times, from anywhere, at any time of the day. Delégo controls every space ensuring safety, well-being and comfort. It creates for you the most suitable scenario for every moment of the day, leaving you free to enjoy every moment.



Delégo supervision connection diagram



Delégo panel



Delégo panel main features



Version	5" Basic	5" Premium	4" Smart	8" Smart	10" Smart
Code	EK-DEL-5PAN	EK-DEL-5PAN-P	EK-DEL-4PAN-S	EK-DEL-8PAN-S	EK-DEL-10PAN-S
Power supply	Power Over Ethernet (PoE)				
Connectivity	LAN 100baseT				
Display	LCD HD IPS TFT				
Colours	16.7 million colours (true colour)				
Resolution	800 x 1280 px	1080 x 1920 px	480 x 480 px	1280 x 800 px	
Touch screen	capacitive with multi-touch & gestures support				
Speakers	high definition audio with built-in amplifier, 1W	high definition audio with built-in amplifier, 1W	high definition audio with built-in amplifier, 1.5W	high definition audio with built-in amplifier, 2W	
Microphone	integrated high resolution with echo cancelling				
Operating system	Android 6	Android 11	Android 10	Android 11	
Certifications	CE / FCC class B / FCC part 15 / RoHS / WEEE				
External dimensions (W x H x D)	132 x 81 x 14 mm	132 x 81 x 14 mm	86 x 86 x 11 mm	216.2 x 124.4 x 11.8 mm	278 x 165.1 x 22.8 mm
Orientation	portrait	portrait	portrait	landscape	
Plastic frame	-	-	black	black	
External frame	EK-DEL-5FR-... (aluminium)				
Compatible flush-mounted box	2M flush mounting box (e.g. BTicino mod. 502E); 60 mm diameter round box (e.g. Gewiss mod. 24232); 3M flush mounting box vertical installation (e.g. BTicino mod. 503E)	2M flush mounting box (e.g. BTicino mod. 502E); 60 mm diameter round box (e.g. Gewiss mod. 24232); 65x45 mm diameter round box (e.g. Gewiss mod. 24232); 3M flush mounting box vertical installation (e.g. BTicino mod. 503E)	2M flush mounting box (e.g. BTicino mod. 502E); 60 mm diameter round box (e.g. Gewiss mod. 24232); 65x45 mm diameter round box (e.g. Gewiss mod. 24232); 3M flush mounting box vertical installation (e.g. BTicino mod. 503E)		

Delégo server



Delégo Server
EK-DEL-SRV-BAS-200-TP



Delégo Mini
EK-DEL-MINI-TP



Delégo server main features



Code	EK-DEL-MINI-TP	EK-DEL-SRV-BAS-200-TP
Group Addresses	200	200-2500
GRAPHICS		
Upgrades Management	NO	YES
Import from ETS	NO	YES
Floor plans	NO	YES
Areas	12	100
CLOUD SERVICES		
Cloud Connectivity	YES	YES
Voice Assistants	YES	YES
EKINEX INTEGRATIONS		
Audio Multi-room Sentio Management	YES	YES
IP door phone / Dico Management	YES	YES
ADDITIONAL MODULES		
Modbus management (max. 30 addresses)	NO	YES
LUA logic module	NO	YES
Intrusion Detection voucher management (Tecnoalarm, Elmo, Bentel)	NO	YES
MBus voucher management	NO	YES
Modbus voucher management (>30 registers)	NO	YES
Voip voucher management (2N, Doorbird)	NO	YES
FUNCTIONS		
Lighting	YES	YES
Heating/air conditioning	YES	YES
Motorised entrances and doors	YES	YES
Alarms	YES	YES
Consumption and energy management	YES with limitation to 2 counters, general plant and photovoltaic	YES
Load control	YES	YES
Astronomical/weather clock	YES	YES
Scenarios with timings	20	100
Combinatorial Logics	20	100
Comparisons of Values and Thresholds	20	100
Mathematical Operations	NO	YES
Schedules	20	100
Notifications	YES	YES

License and voucher

Code	Composition	License Version	KNX addresses	Scenarios	Logics/Thresholds	Areas	Loads	Cameras
EK-DEL-SRV-BAS-200-TP	Delégo server	BASIC	200	100	100	Unlimited	Unlimited	Unlimited
EK-DEL-UPGR-BA		ADVANCED	1200	100	100	Unlimited	Unlimited	Unlimited
EK-DEL-UPGR-BP	License upgrade	PREMIUM	2500	100	100	Unlimited	Unlimited	Unlimited
EK-DEL-UPGR-200		UPG. 200 ADDRESSES	+200					
EK-DEL-V1-INTRDET		Intrusion Integration		Upgrade codes and vouchers are activated in the Delégo Tech Portal.				
EK-DEL-V1-MBUS		M-Bus integration		You access the portal by typing voucherekinex.com into your browser: when you log in for the first time, you can register and obtain login credentials. It is very simple to use: by typing in the code shown on the voucher purchased or by using the practical QR code and using the serial code on the side label of the server device, it is possible to generate a licence code for a specific Delégo function or the extension to a larger number of group addresses.				
EK-DEL-V1-MODBUS	Voucher	Modbus extension over 30 registers						
EK-DEL-V1-VOIP		IP Video Door Entry Integration						

Delégo App function configuration



Landing Page

The Delégo app offers management of various buildings with dedicated profiles for end users and system integrators. Plant selection is via a side swipe, allowing instant execution of quick commands without direct access to the specific plant's graphical user interface.



Main page

By accessing the selected building, a secure connection is created with the Delégo server installed in the facility. Background images of the building and individual rooms are adapted to the graphical resolution of all devices, creating a unified and rewarding user experience.



Areas

The building can be represented logically with a subdivision into floors (areas) and rooms: the floor and the room of interest are accessed and from there the function is selected (lighting, climate, motorisation, scenery, multimedia, etc.).



Lighting

Delégo, through its interface, allows the control of lights, their intensity, switching on and off; each light can be managed individually or be part of scenarios, making the system flexible to your needs.



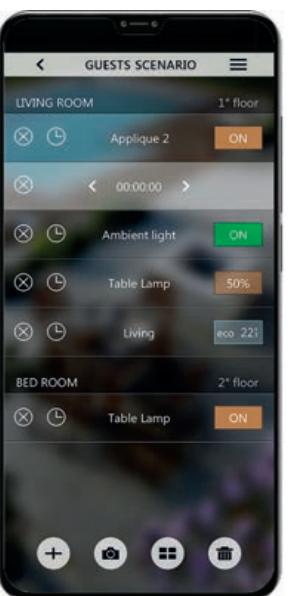
Climate

Delégo allows users to manage heating, cooling, relative humidity and air quality in their homes. You can control the various setting parameters and create integrated scenarios with other customisable functions to activate, adjust and switch off the system according to your preferences.



Motorisations

Delégo allows the remote control of domestic motorisations, including electric roller shutters, blinds, awnings and automatic window openers, providing information on their location and enabling easy and safe operation from anywhere.



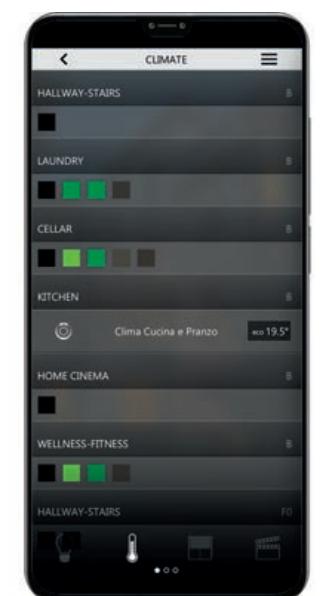
Scenarios

Delégo allows users to create one or more scenarios independently without requiring the intervention of a technician. Scenarios can be simple, called up with a single command for leaving and returning home, or more complex with wait commands that enable timed sequences.



Side menu

The contextual menu, accessible from the app's title bar, provides access to building services and logic, such as intrusion detection, load control, consumption monitor (electricity absorbed and produced, thermal energy, water volumes for sanitary use), notifications and weather page.



Summary pages

Users can navigate by environment or function to access detail pages, which show a tabular summary view of the status of all automations. In addition, devices such as tablets and PCs/Macs offer graphical representation via maps and synoptics, highlighting the physical layout of controls to simplify understanding and management.



Security

Delégo natively integrates some anti-intrusion systems through their proprietary protocol; this makes possible the integrated control of the security system within the supervision, even where it does not operate on standard KNX technology.



Load control

Delégo offers a powerful load control logic, which operates by keeping one or more absorption values under control, and intervening by disconnecting the pre-set utilities when an alarm threshold is exceeded, according to a precise priority set by the installer and modifiable by the end user via the app.



Monitor Consumption

Delégo offers a dedicated system to monitor energy consumption and electricity production via photovoltaic systems. Consumption measurement can take place via devices of various technologies such as KNX, Modbus or M-Bus over RS485. The collected data is displayed uniformly in the supervision interface and stored in the server for future analysis.



Communication

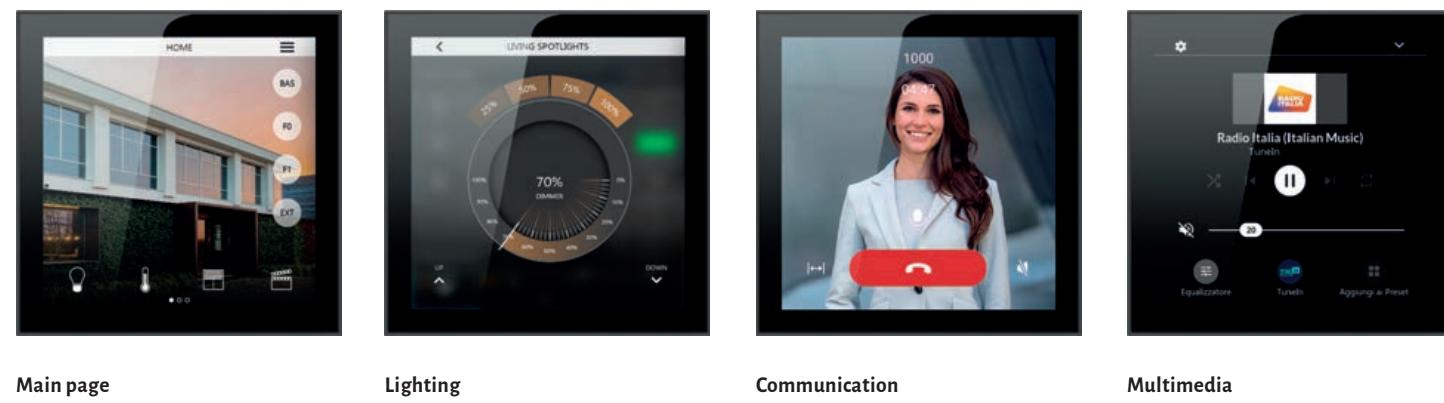
Delégo integrates a SIP switchboard that allows one or more SIP-standard video door entry panels to be coordinated. Using the configuration pages, door and indoor stations (such as IP telephones and Delégo touch-screen panels) and call groups can be quickly created, allowing calls to be routed to several devices simultaneously.



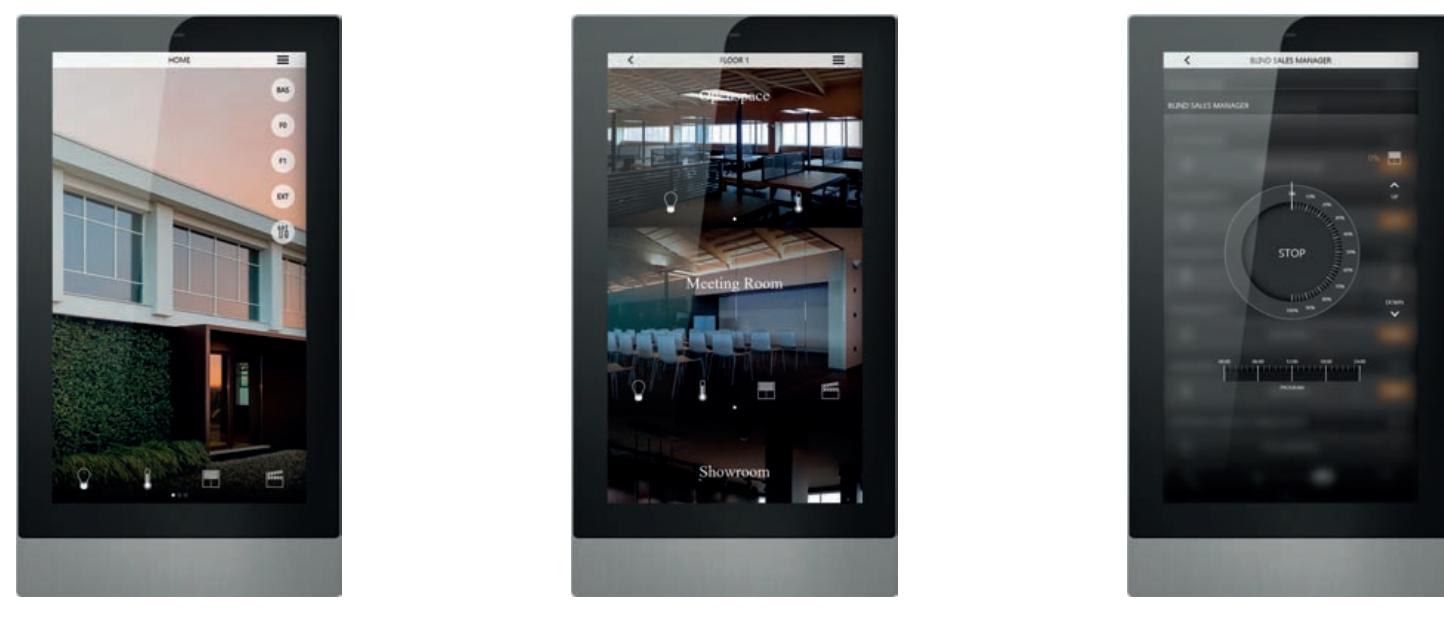
Multimedia

Delégo enables dialogue with the building's multimedia systems connected to the local network and offers an integrated control experience of the audio terminals in the different areas of the home or office from any device: smartphone, tablet, PC/Mac and Touch Panel.

App page view example - Delégo panel 4"

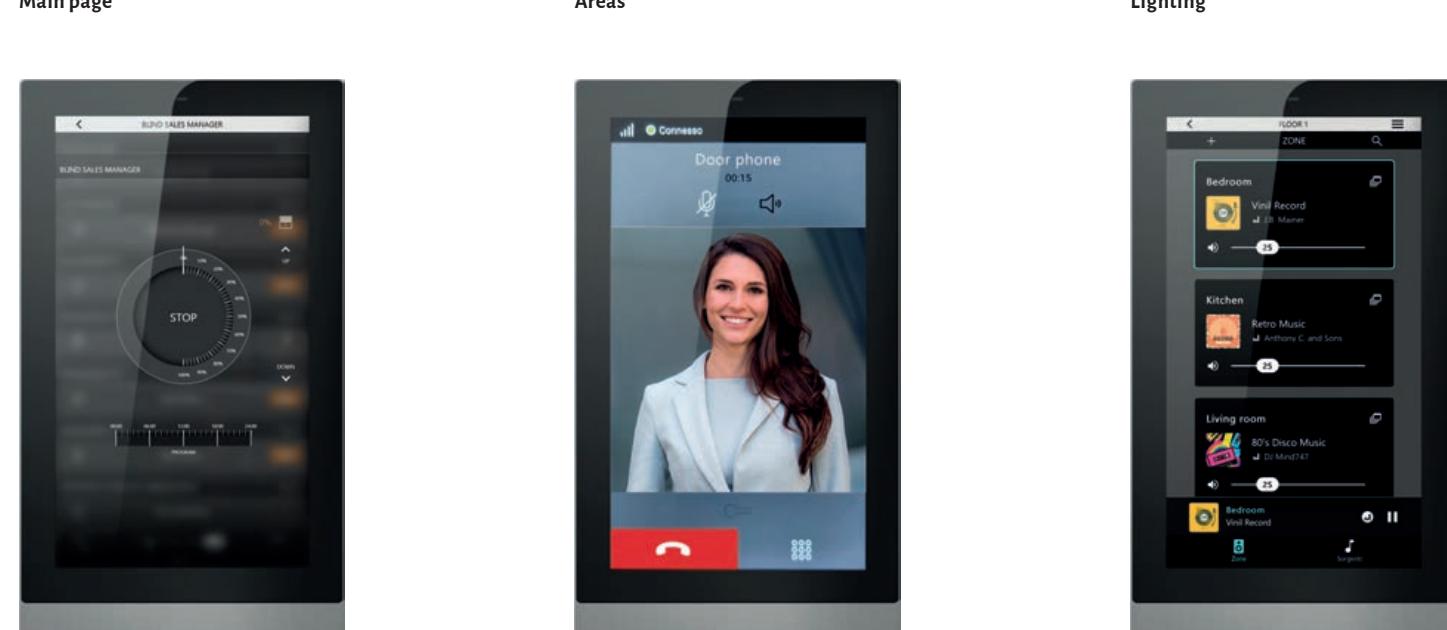


App page view example - Delégo panel 5"



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Climate

Communication

Multimedia

Climate

Multimedia

Main page

Communication

App page view example - Delégo panel 8" / 10"



Map display

WALL-MOUNT DEVICES

*Comandi
a parete*

Celiamo la complessità della tecnologia dietro il design essenziale dei nostri dispositivi. Collezioni diverse che interpretano stili differenti e si impreziosiscono attraverso un'ampia gamma di materiali e finiture.

We conceal the complexity of technology behind the essential design of our devices. Different collections that interpret different styles and are embellished through a wide range of materials and finishes.



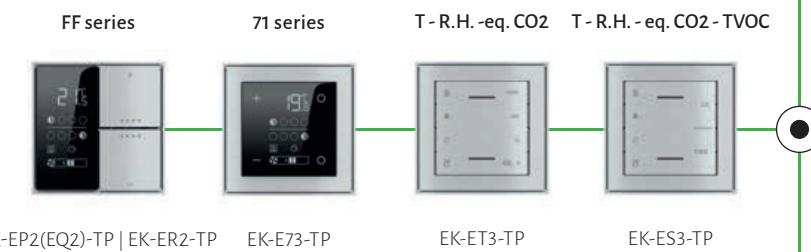
— KNX
— DALI
— Terminal devices

Connection scheme Wall-mounted devices

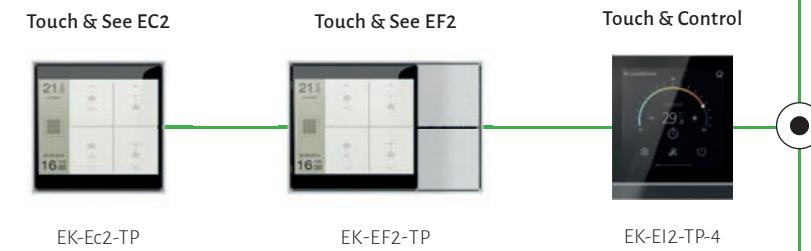
PUSHBUTTONS WITH TEMPERATURE SENSOR AND THERMOSTAT FUNCTION



ROOM THERMOSTATS AND MULTISENSORS WITH THERMOSTAT FUNCTION



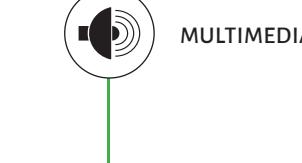
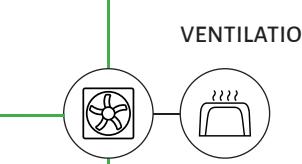
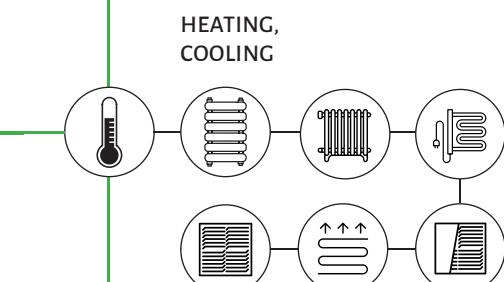
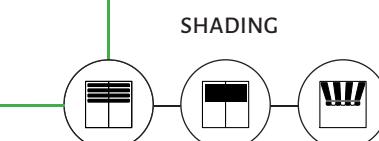
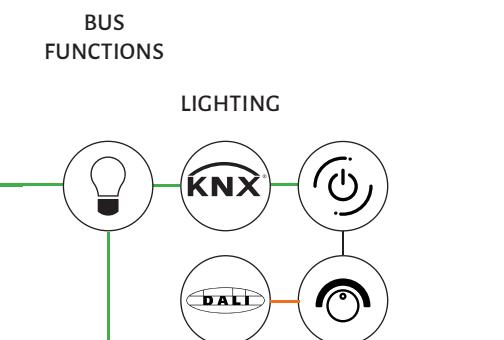
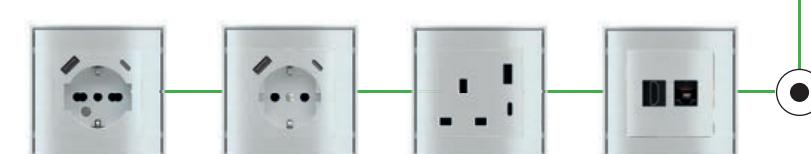
DEVICES WITH TOUCH DISPLAY AND THERMOSTAT FUNCTION



PRESENCE AND MOVEMENT SENSORS



ELECTRICAL SOCKETS USB A/C (IT, SCHUKO, FR, UK) AND KEYSTONE MODULES



4-channel pushbutton
FF Series
EK-ED2-TP-..



4-channel pushbutton Basic
FF Series
EK-E32-TP



6-channel pushbutton
FF Series
EK-EH2-TP-..



Pushbuttons FF series main features

Code

4 channels (up to 8 independent functions can be programmed)

6 channels (up to 12 independent functions can be programmed)

4 freely programmable LEDs per channel

2 available LED colour combinations (blue/green or white/red)

Integrated temperature sensor and room thermostat function

Flush wall mounting on round or square box

Connection to bus line via KNX terminal

Programming button and LED on front panel

IP20 degree of protection (installed)

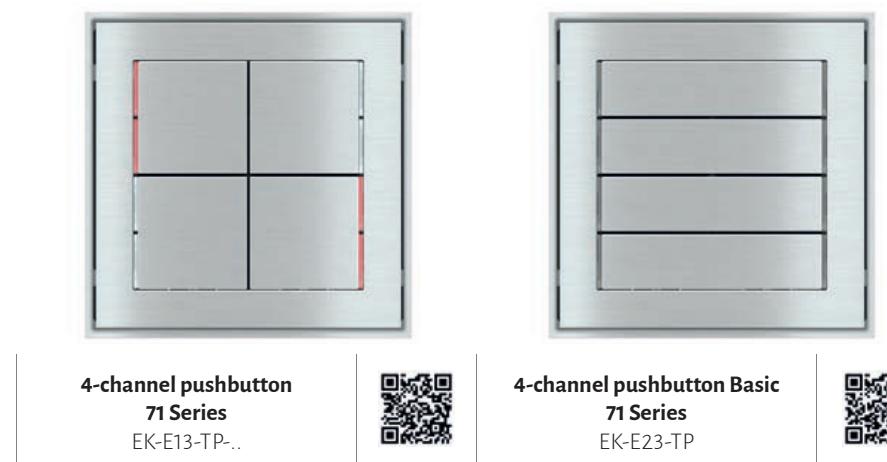
Power supply 30 Vdc via KNX bus and current consumption from bus < 15 mA

Pushbuttons FF series frame and rockers configuration

FRAMES	Square				Rectangular				
	Form	Plastic	Metal	Metal HT	Fenix NTM®	Plastic	Metal	Metal HT	Fenix NTM®
FINISHES	•	•	-	-	-	•	•	-	-
Flank									
FINISHES	Plastic	Metal	Metal HT	Fenix NTM®	Plastic	Metal	Metal HT	Fenix NTM®	
Flank	•	•	-	-	-	•	-	-	-
ROCKERS	Rectangular vertical (2 or 3)				Square (4 or 6)				
	EK-TRV-...				EK-TQQ-...				
FINISHES	Plastic	Metal	Metal HT	Fenix NTM®	Plastic	Metal	Metal HT	Fenix NTM®	
	•	•	•	•	•	•	•	•	•
ROCKERS	Rectangular horizontal (4)				EK-TRO-...				
	EK-TRO-...				EK-TRO-...				
FINISHES	Plastic	Metal	Metal HT	Fenix NTM®	Plastic	Metal	Metal HT	Fenix NTM®	
	•	•	•	•	•	•	•	•	•

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Pushbuttons 71 series



Pushbuttons 71 series frame and rockers configuration

FRAMES	Square				Rectangular				Double			
Form												
FINISHES	Plastic	Metal	Metal HT	Fenix NTM®	Plastic	Metal	Metal HT	Fenix NTM®	Plastic	Metal	Metal HT	Fenix NTM®
•	•	-	-	-	•	•	-	-	•	•	-	-
Flank												
FINISHES	Plastic	Metal	Metal HT	Fenix NTM®	Plastic	Metal	Metal HT	Fenix NTM®	Plastic	Metal	Metal HT	Fenix NTM®
•	•	-	-	-	-	•	-	-	•	•	-	-

Available in 'NF' version (no frame)

Plates	Square				Rectangular				Double				Triple			
WINDOW	60x60 mm				60x60 mm				60x60 mm (2)				60x60 mm (3)			
'NF'																
FINISHES	Plastic	Metal	Metal HT	Fenix NTM®	Plastic	Metal	Metal HT	Fenix NTM®	Plastic	Metal	Metal HT	Fenix NTM®	Plastic	Metal	Metal HT	Fenix NTM®
•	•	-	-	•	•	•	-	•	•	•	•	-	•	•	•	•
Deep																
FINISHES	Plastic	Metal	Metal HT	Fenix NTM®	Plastic	Metal	Metal HT	Fenix NTM®	Plastic	Metal	Metal HT	Fenix NTM®	Plastic	Metal	Metal HT	Fenix NTM®
•	•	•	•	•	•	•	•	•	•	•	•	•	-	•	•	•
Surface																
FINISHES	Plastic	Metal	Metal HT	Fenix NTM®	Plastic	Metal	Metal HT	Fenix NTM®	Plastic	Metal	Metal HT	Fenix NTM®	Plastic	Metal	Metal HT	Fenix NTM®
-	•	-	•	•	-	•	•	•	-	•	•	•	-	•	•	•

Pushbuttons 71 series main features

	EK-E13-TP-..	EK-E23-TP
Code		
4 channels (up to 8 independent functions can be programmed)	•	•
4 freely programmable LEDs per channel	•	-
2 available LED colour combinations (blue/green or white/red)	•	-
Integrated temperature sensor and room thermostat function	•	-
Wall mounting on round or square box	•	•
Connection to bus line via KNX terminal	•	•
Programming button and LED on front panel	•	•
IP20 degree of protection (installed)	•	•
30 Vdc power supply via KNX bus	•	•
Current consumption from bus < 15 mA	•	•

ROCKERS	Square				Rectangular vertical (2)				Square (4)				Rectangular horizontal (4)			
FINISHES																
FINISHES	Plastic	Metal	Metal HT	Fenix NTM®	Plastic	Metal	Metal HT	Fenix NTM®	Plastic	Metal	Metal HT	Fenix NTM®	Plastic	Metal	Metal HT	Fenix NTM®
•	•	•	•	•	•	•	•	•	•	•	•	•	-	•	•	•
FINISHES	Plastic	Metal	Metal HT	Fenix NTM®	Plastic	Metal	Metal HT	Fenix NTM®	Plastic	Metal	Metal HT	Fenix NTM®	Plastic	Metal	Metal HT	Fenix NTM®
•	•	•	•	•	•	•	•	•	•	•	•	•	-	•	•	•

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Pushbuttons 20VENTI series

Pushbuttons 20VENTI series main features



Pushbutton 4 rockers
20VENTI Series
EK-E2E-TP-4L



Pushbutton 4 rockers
20VENTI Series (right)
EK-E2E-TP-4R



Pushbutton 5 rockers
20VENTI Series
EK-E2E-TP-5L



Pushbutton 5 rockers
20VENTI Series (right)
EK-E2E-TP-5R



Pushbutton 8 rockers
20VENTI Series
EK-E2E-TP-8



Pushbutton 10 rockers
20VENTI Series
EK-E2E-TP-10



Code	EK-E2E-TP-4L	EK-E2E-TP-4R	EK-E2E-TP-8	EK-E2E-TP-5L	EK-E2E-TP-5R	EK-E2E-TP-10
4/8 rockers versions (up to 4 or 8 independent functions can be configured)	•	•	•	-	-	-
5/10 rockers versions (possibility of configuring up to 5 or 10 independent functions of which 2 or 4 for adjustments)	-	-	-	•	•	•
RGB led for each freely programmable key	•	•	•	•	•	•
Integrated temperature and proximity sensor	•	•	•	•	•	•
Room thermostat function	•	•	•	•	•	•
Connection to bus line via KNX terminal	•	•	•	•	•	•
Wall mounting on round or square box	•	•	•	•	•	•
IP20 degree of protection (installed)	•	•	•	•	•	•
Power supply 30 Vdc via KNX bus	•	•	•	•	•	•
Current consumption from bus < 17 mA	•	•	•	•	•	•

Pushbuttons 20VENTI series plate and rockers configuration

Plates	Square				Square				Rectangular				Double				Triple			
	30x60 mm				60x60 mm				60x60 mm				60x60 mm (2)				60x60 mm (3)			
WINDOW																				
Deep																				
FINISHES	Plastic	Metal	Metal HT	Fenix NTM®	Plastic	Metal	Metal HT	Fenix NTM®	Plastic	Metal	Metal HT	Fenix NTM®	Plastic	Metal	Metal HT	Fenix NTM®	Plastic	Metal	Metal HT	Fenix NTM®
	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	-	•	•	•
Surface																				
FINISHES	Plastic	Metal	Metal HT	Fenix NTM®	Plastic	Metal	Metal HT	Fenix NTM®	Plastic	Metal	Metal HT	Fenix NTM®	Plastic	Metal	Metal HT	Fenix NTM®	Plastic	Metal	Metal HT	Fenix NTM®
	-	•	•	•	-	•	•	•	-	•	•	•	-	•	•	•	-	•	•	•
ROCKERS	Rectangular backlit texts/symbols (3, 4, 6, 8)				Rectangular dimmer (1, 2)				Rectangular transparent (8)											
FINISHES	Plastic	Metal	Metal HT	Fenix NTM®	Plastic	Metal	Metal HT	Fenix NTM®	Plastic	Metal	Metal HT	Fenix NTM®	Plastic	Metal	Metal HT	Fenix NTM®	Plastic	Metal	Metal HT	Fenix NTM®
	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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* Metal or Fenix NTM® colour effect is available by painting

SIGNUM display pushbutton



SIGNUM display pushbutton main features

Code	EK-EV3-TP	EK-EV3-TP-TER	EK-EV3-TP-H
Up to 4 buttons per screen and up to 3 screens in total can be configured	•	•	•
Haptic pressure feedback and Dimming control of lighting devices	•	•	•
Control of motorised drives for shutters (such as roller shutters, awnings or blinds)	•	•	•
Partially programmable attributes for each button	•	•	•
2.65" RGB IPS display, 162 x 320 pixels, 262K colours with haptic feedback	•	•	•
Room temperature detection via integrated sensor and room thermostat function	•	•	•
Proximity sensor integrated in the faceplate (to be ordered separately)	•	•	•
Humidity sensor	-	-	•
Air conditioning control (voucher to be ordered separately)	•	•	•
Connection to bus line via KNX terminal	•	•	•
Wall mounting on round or square box	•	•	•
Configuration via App	•	•	•

SIGNUM display pushbutton plates configuration

Plates	Square 30x60 mm			
FINISHES	Plastic	Metal	Metal HT	Fenix NTM®
Deep				
Surface				
FINISHES	Plastic	Metal	Metal HT	Fenix NTM®

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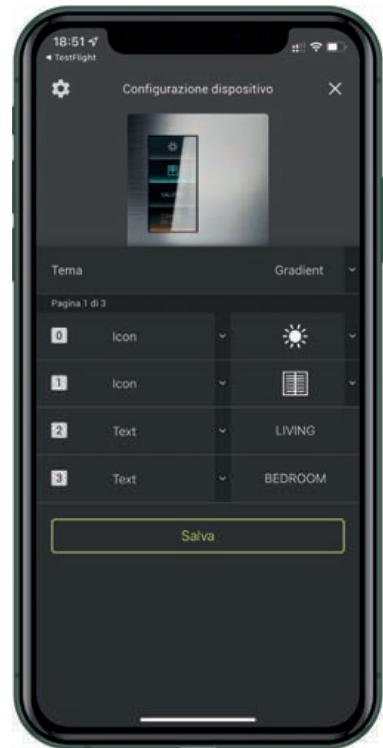
SIGNUM display pushbutton device page configuration



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.



SIGNUM display pushbutton App Ekinex Tool configuration



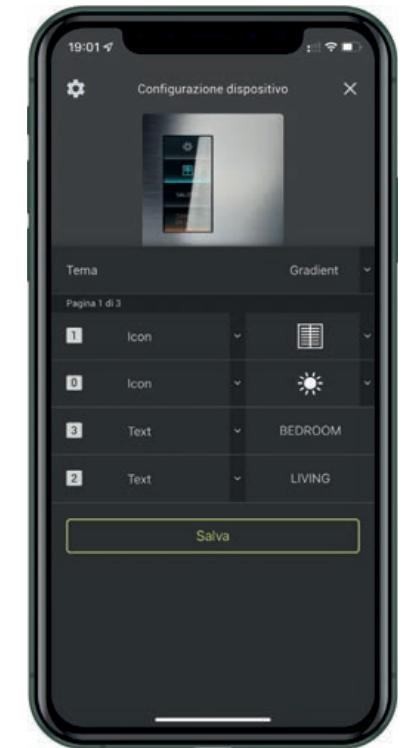
Main Page

From the main page, you can select the theme (Gradient or Flat) and customise the texts and symbols of the virtual buttons.



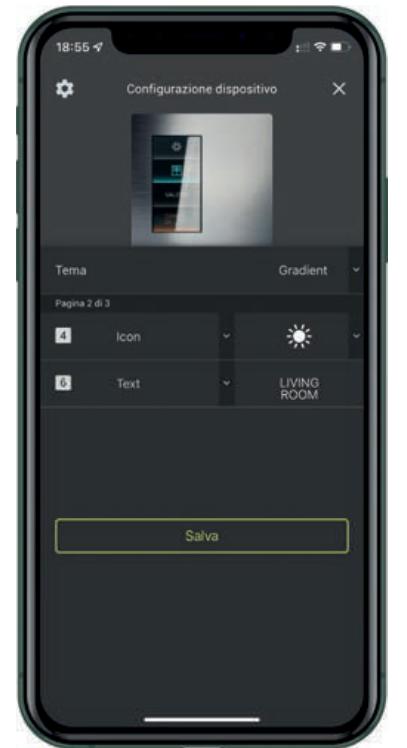
Symbol library page

The application gives access to a continuously updated library of 120 symbols.



Pushbutton customisation page

With a horizontal swipe you can scroll between the screens of the device and customise the related pushbuttons.



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.

Room temperature controller FF series



Room temperature controller Easy
FF series
EK-ER2-TP-..



Room temperature controller
FF series
EK-EP2-TP-..



Room temperature controller with
relative humidity sensor FF series
EK-EQ2-TP-..

Room temperature controller FF series main features



Code

LCD display with adjustable backlighting

2 rockers for controlling thermostat functions

4 LEDs per button freely programmable

2 available LED colour combinations (blue/green or white/red)

Integrated temperature sensor

Integrated relative humidity sensor

2 freely programmable inputs

Connection to bus line via KNX terminal

Programming button and LED on front panel

Simplified interface

Wall mounting on round or square box

IP20 degree of protection (installed)

30 Vdc power supply via KNX bus

Current consumption from bus < 13 mA

EK-ER2-TP-.. EK-EP2-TP-.. EK-EQ2-TP-..

• • •

• • •

• • •

• • •

• • •

• • •

• • •

• • •

• • •

• • •

• • •

• • •

• • •

• • •

Room temperature controller FF series frames and rockers configuration

FRAMES		Square			
Form		EK-FOQ-...			
		Plastic	Metal	Metal HT	Fenix NTM®
Flank		EK-FLQ-...			
		Plastic	Metal	Metal HT	Fenix NTM®

ROCKERS		Square (2)			
FINISHES		EK-TQQ-...-EP2			
		Plastic	Metal	Metal HT	Fenix NTM®
FINISHES		Finishes & Materials p.126			
		•	•	•	•

Available in 'NF' version (no frame)

Room temperature controller 71 - 20VENTI series



Room temperature controller
71 - 20VENTI series
EK-E73-TP



Multisensor
T-U.R.-CO2 eq.
EK-ET3-TP



Air quality multisensor
and regulator
EK-ET3-TP



Multisensors

Room temperature controller and multisensors 71 - 20VENTI series frame, plate and front cover configuration

FRAMES	Square				Rectangular				Double			
Form												
FINISHES	Plastic	Metal	Metal HT	Fenix NTM®	Plastic	Metal	Metal HT	Fenix NTM®	Plastic	Metal	Metal HT	Fenix NTM®
•	•	-	-	-	•	•	-	-	•	•	-	-
Flank												
FINISHES	Plastic	Metal	Metal HT	Fenix NTM®	Plastic	Metal	Metal HT	Fenix NTM®	Plastic	Metal	Metal HT	Fenix NTM®
•	•	-	-	-	-	•	-	-	•	•	-	-
Plates	Square				Rectangular				Double			
WINDOW	60x60 mm				60x60 mm				60x60 mm (2)			
'NF												
FINISHES	Plastic	Metal	Metal HT	Fenix NTM®	Plastic	Metal	Metal HT	Fenix NTM®	Plastic	Metal	Metal HT	Fenix NTM®
•	•	-	•	•	•	•	-	•	•	•	-	•
Deep												
FINISHES	Plastic	Metal	Metal HT	Fenix NTM®	Plastic	Metal	Metal HT	Fenix NTM®	Plastic	Metal	Metal HT	Fenix NTM®
•	•	•	•	•	•	•	•	•	•	•	•	•
Surface												
FINISHES	Plastic	Metal	Metal HT	Fenix NTM®	Plastic	Metal	Metal HT	Fenix NTM®	Plastic	Metal	Metal HT	Fenix NTM®
-	•	•	•	•	-	•	•	•	-	•	•	•
MULTISENSORS FRONT COVER	Square											
	EK-T1Q-...-ET2 / EK-T1Q-...-ES2											
FINISHES	Plastic				Metal				Metal HT			
	•				•				•			

Available in 'NF' version (no frame)

Plates	Square				Rectangular				Double				Triple			
WINDOW	60x60 mm				60x60 mm				60x60 mm (2)				60x60 mm (3)			
'NF																
FINISHES	Plastic	Metal	Metal HT	Fenix NTM®	Plastic	Metal	Metal HT	Fenix NTM®	Plastic	Metal	Metal HT	Fenix NTM®	Plastic	Metal	Metal HT	Fenix NTM®
•	•	-	•	•	•	•	-	•	•	•	-	•	-	•	•	•
Deep																
FINISHES	Plastic	Metal	Metal HT	Fenix NTM®	Plastic	Metal	Metal HT	Fenix NTM®	Plastic	Metal	Metal HT	Fenix NTM®	Plastic	Metal	Metal HT	Fenix NTM®
•	•	•	•	•	•	•	•	•	•	•	•	•	-	•	•	•
Surface																
FINISHES	Plastic	Metal	Metal HT	Fenix NTM®	Plastic	Metal	Metal HT	Fenix NTM®	Plastic	Metal	Metal HT	Fenix NTM®	Plastic	Metal	Metal HT	Fenix NTM®
-	•	•	•	•	-	•	•	•	-	•	•	•	-	•	•	•
MULTISENSORS FRONT COVER	Square															
	EK-T1Q-...-ET2 / EK-T1Q-...-ES2															
FINISHES	Plastic				Metal				Metal HT				Fenix NTM®			
	•				•				•				•			

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Multisensors main features



EK-ET3-TP



EK-ES3-TP

Code	
Integrated temperature and relative humidity sensors and room thermostat function	•
VOC (Volatile Organic Compounds) sensor with output signal for CO2 equivalent	•
VOC (Volatile Organic Compounds) sensor with output signal for CO2 equivalent and TVOC	-
Threshold controller function for relative humidity and CO2	•
Threshold controller function for relative humidity, TVOC and CO2	-
LED indicators for heating, cooling, dehumidification, humidification and CO2 thresholds	•
Alarm signal on CO2 level (also useful for obtaining 1 LEED certification point)	-
Compatibility with Belimo actuators for controlling dampers in VAV boxes and 6-way valves	-
Connection to bus line via KNX terminal	•
Programming button and LED on front panel	•
Wall mounting on round or square box	•
IP20 degree of protection (installed)	•
30 Vdc power supply via KNX bus	•
Current consumption from bus < 13 mA	•

Touch & See

Touch & Control



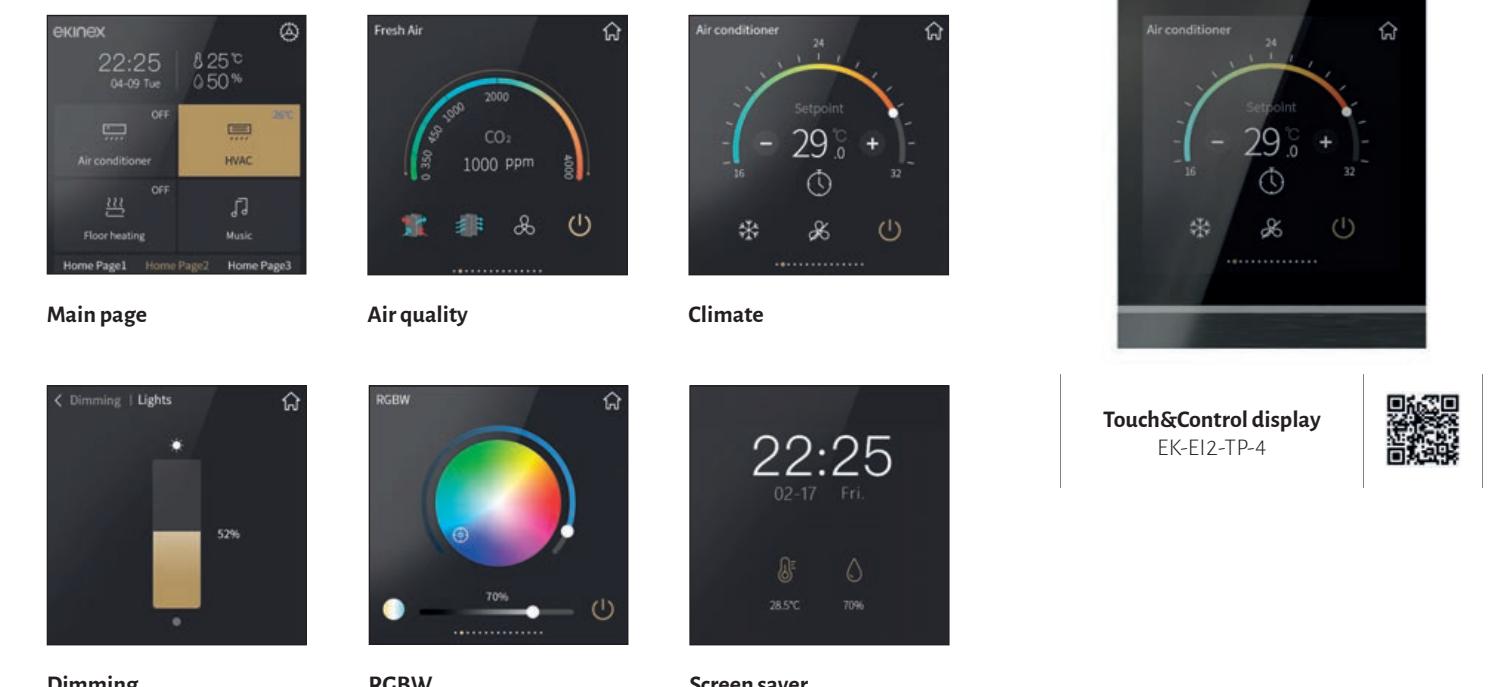
Touch & See main features

Code	EK-EC2-TP	EK-EF2-TP-..
3.5" backlit TFT touch display (320 x 240 pixels), 65,536 colours	•	•
Seven main graphic pages	•	•
Room thermostat function for 8 independent zones	•	•
Integrated temperature sensor	-	•
2-channel button (up to 4 independent functions can be programmed)	-	•
4 freely programmable LEDs per channel (e.g. for status indication and/or night orientation light)	-	•
Connection to bus line via KNX terminal (black/red)	•	•
Connection to auxiliary power supply via dedicated terminal (yellow/white)	•	•
Design for flush mounting on wall	•	•
Programming button and LED on rear	•	•
IP20 degree of protection (installed)	•	•
30 Vdc power supply via KNX bus (communication)	•	•
30 Vdc auxiliary power supply (display)	•	•

Touch & See frames and rockers configuration

FRAMES	Square		Rectangular	
Form				
	EK-FOQ-...		EK-FOR-...	
FINISHES	Plastic	Metal	Metal HT	Fenix NTM®
	•	•	-	-
ROCKERS	Square (2)			
	EK-TQQ-...-EF2			
FINISHES	Plastic	Metal	Metal HT	Fenix NTM®
	•	•	•	•
Flank				
	EK-FLQ-...		EK-FLR-...	
FINISHES	Plastic	Metal	Metal HT	Fenix NTM®
	•	•	-	-

EC2 Available in 'NF' version (no frame)
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Touch&Control display
EK-EI2-TP-4



Touch & Control main features

Code	EK-EI2-TP-4
Control and dimming functions for lighting devices, control of motorised shutter drives	•
Room thermostat function for 4 independent zones	•
Control of room temperature, air conditioning, floor heating and ventilation system	•
Control of audio functions	•
RGB, RGBW, RCBW 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	•
Integrated temperature sensor	•
Weekly timer	•



EK-EI2-TP-4

Presence and movement sensors



Presence and movement sensors main features

Code	EK-SN2-TP-GAA	EK-SN2-TP-GAE	EK-SG2-TP-M	EK-SG2-TP-P
Semi-automatic or fully automatic operation	•	•	•	•
Two independent light control channels and two independent HVAC control channels	•	•	4 channels	4 channels
Alarm sending	•	•	•	•
Slave mode	•	•	•	•
200° detection range	•	•	-	-
360° detection range	-	-	•	•
Adjustable sensitivity	•	•	-	•
Sensing: 200° semicircular (maskable), up to 9 m distance at 1.5 m mounting height	•	•	-	-
Sensing with PIR technology: circular, up to 15.5 m diameter and 6 m mounting height	-	-	•	-
Sensing with microwave technology: circular, up to 8.5 m diameter and 4 m mounting height	-	-	-	•
Humidity and temperature sensors	-	-	•	•
Light measurement range: 10..2000 Lux	•	•	-	-
Applicable standards: IEC 61000-3-2 / IEC 61000-3-3 / EN 60669 / EN 63044	-	-	•	•
Supports KNX Data Secure protocol	-	-	•	•

Presence and movement sensors frames and plates configuration

FRAMES	Square			
Form				
FINISHES	Plastic	Metal	Metal HT	Fenix NTM®
	•	•	-	-
Flank				
FINISHES	Plastic	Metal	Metal HT	Fenix NTM®
	•	•	-	-
Available in 'NF' version (no frame)				
Plates	Square			
WINDOW	50x50 mm			
'NF				
FINISHES	Plastic	Metal	Metal HT	Fenix NTM®
	•	•	-	-
Deep				
FINISHES	Plastic	Metal	Metal HT	Fenix NTM®
	•	•	-	-
Surface				
FINISHES	Plastic	Metal	Metal HT	Fenix NTM®
	-	•	-	-

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Power sockets and USB A/C



Power socket
(55x55 mm) - IT
EK-PWS-IT



Power socket
(55x55 mm) - IT USB
EK-PWS-IT-USB



Power socket
(55x55 mm) - DE
EK-PWS-DE



Power socket
(55x55 mm) - DE USB
EK-PWS-DE-USB



Power socket
(55x55 mm) - FR
EK-PWS-FR



Power socket
(55x55 mm) - FR USB
EK-PWS-FR-USB



Power socket
(55x55 mm) - UK
EK-PWS-UK



Power socket
(55x55 mm) - UK USB
EK-PWS-UK-USB



Power sockets and USB A/C main features



Code	EK-PWS-IT	EK-PWS-IT-USB	EK-PWS-DE	EK-PWS-DE-USB	EK-PWS-FR	EK-PWS-FR-USB	EK-PWS-UK	EK-PWS-UK-USB
Max. rated voltage: AC 250 V ~	•	•	•	•	•	•	•	•
Max. rated current: 16 A - Mains frequency: 50/60 Hz	•	•	•	•	•	•	•	•
USB output voltage: DC 5 V	-	•	-	•	-	•	-	•
USB output current: 3.4 A	-	•	-	•	-	•	-	•
USB output current: 4 A (Fast charge)	-	-	-	-	-	-	-	•
Double-pole switch	-	-	-	-	-	-	•	-
Degree of protection: IP20	•	•	•	•	•	•	•	•
Security class 2 (double insulation)	•	•	•	•	•	•	•	•
Rigid or flexible cable with 1.5- 2.5 mm ² cross-section	•	•	•	•	•	•	•	•
Mounting depth: min. 40 mm	•	•	•	•	•	•	•	•
Plastic cover	•	•	•	•	•	•	•	•
Certifications: BS 1363 PT 2: 2010	-	-	-	-	-	-	-	-

Power sockets and USB A/C frames, plates and front cover configuration

FRAMES	Square				Double			
	EK-FOQ-...				EK-FO2-...			
FINISHES	Plastic	Metal	Metal HT	Fenix NTM®	Plastic	Metal	Metal HT	Fenix NTM®
	*	*	-	-	*	*	-	-
Flank	EK-FLQ-...				EK-FL2-...			
	Plastic	Metal	Metal HT	Fenix NTM®	Plastic	Metal	Metal HT	Fenix NTM®
Available in 'NF' version (no frame)								
Plates	Square				Double			
	55x55 mm				55x55 mm (2)			
'NF'	EK-PQG-...				EK-P2P-...			
	Plastic	Metal	Metal HT	Fenix NTM®	Plastic	Metal	Metal HT	Fenix NTM®
Deep	EK-DQC-...				EK-D2P-...			
	Plastic	Metal	Metal HT	Fenix NTM®	Plastic	Metal	Metal HT	Fenix NTM®
Surface	EK-SQG-...				EK-S2P-...			
	Plastic	Metal	Metal HT	Fenix NTM®	Plastic	Metal	Metal HT	Fenix NTM®

POWER SOCKETS AND USB A/C FRONT COVER	Square IT				Square DE				Square FR				Square UK			
	EK-PSC-IT-...		EK-PSC-IT-USB...		EK-PSC-DE-...		EK-PSC-DE-USB...		EK-PSC-FR-...		EK-PSC-FR-USB...		EK-PSC-UK-...		EK-PSC-UK-USB...	
FINISHES	Plastic	Metal	Metal HT	Fenix NTM®	Plastic	Metal	Metal HT	Fenix NTM®	Plastic	Metal	Metal HT	Fenix NTM®	Plastic	Metal	Metal HT	Fenix NTM®
	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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* Metal or Fenix NTM® colour effect is available by painting

Keystone System



Keystone System main features

	EK-KSM-HDMI-..	EK-KSM-RJ45-..	EK-KSM-TVF-..	EK-KSM-TVM-..
Code				
Indoor use	•	•	•	•
Outdoor use	-	-	-	-
IP20 protection	•	•	•	•
Housing material: Plastic	•	•	•	•
Operating temperature from -10° to +60°	•	•	•	•
Packaging temperature -40° to +70	•	•	•	•
Permissible humidity 10 to 90	•	•	•	•
Certificates: CE & RoHS	•	•	•	•

Keystone System frames, plates and front cover configuration

FRAMES	Square				Double			
	EK-FOQ-...				EK-FO2-...			
FINISHES	Plastic	Metal	Metal HT	Fenix NTM®	Plastic	Metal	Metal HT	Fenix NTM®
	•	•	-	-	•	•	-	-
Flank	EK-FLQ-...				EK-FL2-...			
	Plastic	Metal	Metal HT	Fenix NTM®	Plastic	Metal	Metal HT	Fenix NTM®
Available in 'NF' version (no frame)								
Plates	Square				Double			
WINDOW	55x55 mm				55x55 mm (2)			
'NF'	EK-PQG-...				EK-P2P-...			
	Plastic	Metal	Metal HT	Fenix NTM®	Plastic	Metal	Metal HT	Fenix NTM®
FINISHES	•	•	-	•	•	•	-	•
	EK-DQG-...				EK-D2P-...			
Deep	EK-D3P-...				EK-D3P-...			
	Plastic	Metal	Metal HT	Fenix NTM®	Plastic	Metal	Metal HT	Fenix NTM®
FINISHES	•	•	•	•	•	•	•	•
	EK-SQG-...				EK-S2P-...			
FINISHES	Plastic	Metal	Metal HT	Fenix NTM®	Plastic	Metal	Metal HT	Fenix NTM®
	-	•	•	•	-	•	•	•
KEYSTONE FRONT COVER	Square 1 module				Square 2 modules			
	EK-KSC-1K-...				EK-KSC-2K-...			
FINISHES	Plastic	Metal	Metal HT	Fenix NTM®	Plastic	Metal	Metal HT	Fenix NTM®
	•	*	•	*	•	*	•	*

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* Metal or Fenix NTM® colour effect is available by painting



Hotel solutions



Hotel solutions frames, plates configuration

Hotel solutions main features

	EK-TR2-TP	EK-TH2-TP	EK-TP2-TP	EK-TPBOX-TP
Code	-	-	-	-
Access control via KNX TP (twisted pair) bus	-	-	-	-
Presence detection via bus and communication to supervisory system via KNX bus TP (twisted pair)	-	-	-	-
Access enabling after card validation	-	-	-	-
Presence enabling following insertion of the card in the front pocket	-	-	-	-
Accommodation guest management based on reservation and period of time check-in/check-out period; management of service users according to time slots and passe-partout	-	-	-	-
Programmable output based on card validation or as actuator activated by KNX telegrams	-	-	-	-
Signalling of validation in progress (green LED) or unauthorised card (red LED); possibility of activation by "do not disturb" or "room make-up" commands	-	-	-	-
Notification of validation events to supervisory system with memory buffer	-	-	-	-
Configurable card withdrawal delay for courtesy light management	-	-	-	-
Binary input available for connection of traditional Pushbutton (with switching, dimming or roller shutter function) or signalling contact (e.g. window opening)	-	-	-	-
LED White front: flashing signal when card not inserted, switched off when card inserted; LED control via KNX bus telegrams possible	-	-	-	-
Card programming via KNX bus TP (twisted pair) and Ekinex® Accédo software	-	-	-	-
Card programming with different user profiles: guest, service personnel and passe-partout	-	-	-	-
Management of guest reservation and check-in/check-out operation	-	-	-	-
Time-based card activation for service personnel	-	-	-	-
Event notification to supervisory system with memory buffer	-	-	-	-
Programming of cards using RFID technology with 13.56 MHz frequency, Mifare Classic1KB protocol	-	-	-	-
Signalling via buzzer for bathroom alarms	-	-	-	-
Alarm silencing via manual button	-	-	-	-
1 KNX transponder card programmer code EKTP2-TP	-	-	-	-
1 KNX universal interface EK-CC2-TP (2 IN / 2 OUT)	-	-	-	-
1 buzzer 12Vac, 5VA anthracite colour and 1 push button 1P NO, 10A at 250Vac anthracite colour	-	-	-	-

FRAMES	Square				Double			
	EK-FOQ-...				EK-FO2-...			
FINISHES	Plastic	Metal	Metal HT	Fenix NTM®	Plastic	Metal	Metal HT	Fenix NTM®
	-	-	-	-	-	-	-	-
Flank	EK-FLQ-...				EK-FL2-...			
	Plastic	Metal	Metal HT	Fenix NTM®	Plastic	Metal	Metal HT	Fenix NTM®
Available in 'NF' version (no frame)								
Plates	Square				Double			
	45x45 mm				45x45 mm (2)			
WINDOW	EK-PQP-...				EK-P2E-...			
	Plastic	Metal	Metal HT	Fenix NTM®	Plastic	Metal	Metal HT	Fenix NTM®
'NF'	EK-DQP-...				EK-D2E-...			
	Plastic	Plastic <th>Metal</th> <th>Metal HT</th> <th>Plastic</th> <td>Plastic</td> <th>Metal HT</th> <th>Fenix NTM®</th>	Metal	Metal HT	Plastic	Plastic	Metal HT	Fenix NTM®
FINISHES	EK-D3X-444-...				EK-D3X-444-...			
	-	-	-	-	-	-	-	-
Deep	EK-DQP-...				EK-D2E-...			
	Plastic	Plastic <th>Metal</th> <th>Metal HT</th> <th>Plastic</th> <td>Plastic</td> <th>Metal HT</th> <th>Fenix NTM®</th>	Metal	Metal HT	Plastic	Plastic	Metal HT	Fenix NTM®
FINISHES	EK-D3X-444-...				EK-D3X-444-...			
	-	-	-	-	-	-	-	-
Surface	EK-SQP-...				EK-S2E-...			
	Plastic	Plastic <th>Metal</th> <th>Metal HT</th> <th>Plastic</th> <td>Plastic</td> <th>Metal HT</th> <th>Fenix NTM®</th>	Metal	Metal HT	Plastic	Plastic	Metal HT	Fenix NTM®
FINISHES	EK-S2E-...				EK-S2E-...			
	-	-	-	-	-	-	-	-

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SENTIO

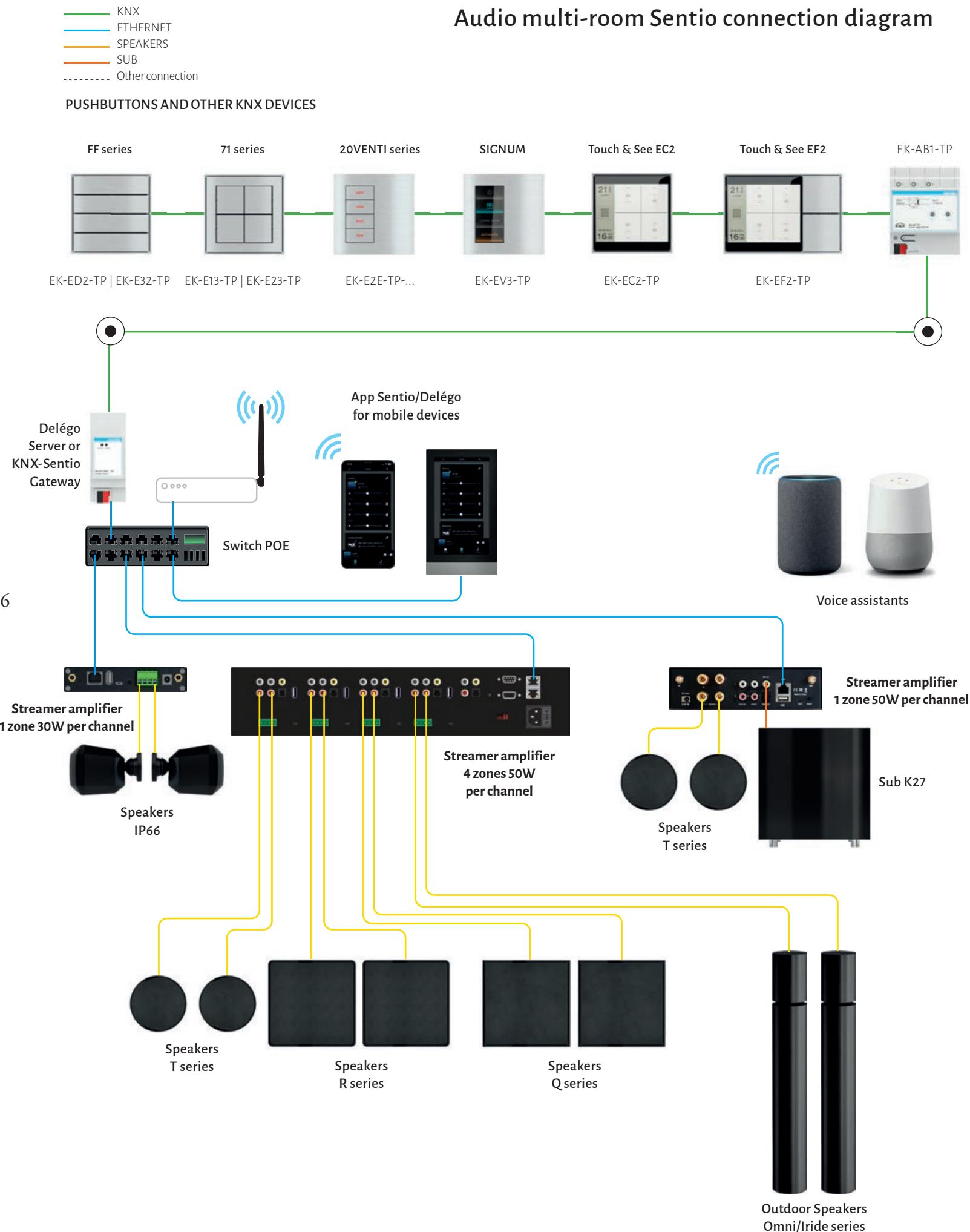
| *Audio multi-room*

Ascolta la tua musica preferita in qualsiasi ambiente della tua casa. Sentio porta la magia del suono in ogni stanza, trasformando la tua esperienza d'ascolto in emozione.

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.

Audio multi-room Sentio connection diagram

Streamer amplifier



Streamer amplifier 1 zone 30W per channel EK-30S-AU	
Streamer amplifier 1 zone 50W per channel EK-50S-AU	
Streamer amplifier 1 zone 80W per channel EK-80S-AU	

Streamer amplifier 4 zones 50W per channel EK-50Q-AU	
--	--

Streamer amplifier main features

Speakers



Wall-mounted speaker IP66 40W
(pair) - black
EK-SP30B2-AU



Wall-mounted speaker IP66 40W
(pair) - white
EK-SP30W2-AU



2-way full-range in-ceiling
speaker 60W
EK-SP525-AU



Speakers frame and fabric configuration

SPEAKER	FRAME	FABRIC
EK-SP30B2-AU		
	ABS Black (RAL 9011)	Black
EK-SP30W2-AU		
	ABS White (RAL 9016)	White
SPEAKER	FRAME	ALUMINIUM COVER
EK-SP525-AU		
	ABS Black (RAL 9011)	White*

*Black painted on request

Speakers main features



Code	EK-SP30B2-AU	EK-SP30W2-AU	EK-SP525-AU
Recommended amplification	40 Watts	•	•
	60 Watts	-	•
Frequency response	120Hz - 20KHz	•	•
	70Hz - 20KHz	-	•
SPL1W/1m	88 dB	•	•
	89 dB	-	•
Impedance	8 ohm	•	•
Tweeter	Swivelling 1.5" aluminium	-	•
Woofer	2.5" (64MM)	•	•
Woofer cone material	Paper	•	•
	Glass Fibre	-	•
Grille material	Fabric	•	•
	Paintable Metal	-	•
Dispersion angle	120°	•	•
Mounting system	Rotation/tilt bracket (included)	•	•
	Plasterboard	-	•
Housing material	Reinforced ABS plastic	•	•
IP certification for atmospheric conditions	IP66	•	•

Speakers Ekinex by laboratorioaudio



Q series
EK-Q..



R series
EK-R..



T series
EK-T..



Omni / Iride
EK-OMNI-... | EK-IRIDE-...



Modulor
EK-M...



Sub
EK-K-... | EK-Q5-... | EK-Q6-...



Speakers Q series main features



Prefix	Series	Installation	Variant			Frame colour			Fabric colour			Description	Dimension LxHxP (mm)		
			HT	ST	R	100V	LN	LB	LA	ASA	ASN	BI	NE	SA	
EK	Q10	CG Plasterboard	-	-	-	-	-	-	-	-	-	•	•	•	Plasterboard built-in Speaker, 50W, 80-16KHz 100x100x53
		CG Plasterboard	•	•	•	•	-	-	-	-	-	•	•	•	Plasterboard built-in speaker, 50W, 60-21KHz 150x150x70
	Q15	M Masonry	•	•	-	•	-	-	-	-	-	•	•	•	Masonry built-in speaker, 50W, 65-20KHz 150x150x70
		W Wall	-	-	-	-	•	•	-	•	•	•	•	•	Wall mount speaker, 50W, 60-21KHz 150x150x70
	Q20	K Surface	-	-	-	-	•	•	-	•	•	•	•	•	Surface mount speaker, 50W, 50-21KHz 150x150x74
		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

Speakers Q series frame and fabric configuration

AVAILABLE COLOURS				
FRAME	White Lacquer (LB)	Black lacquered (LN)	Satin Aluminium (ASA)	Satin Aluminium Black (ASN)
FABRIC				
	White (BI)	Black (NE)	Sand (SA)	

Speakers R series main features



Prefix	Series	Installation	Frame colour		Fabric colour		Description	Dimension LxHxP (mm)		
			LN	LB	ASA	ASN	BI	NE		
EK	R20	W Wall	•	•	•	•	•	•	Wall mount speaker, 65W, 50-21KHz	200x200x65
		K Surface	•	•	•	•	•	•	Surface mount speaker, 80W, 45-21KHz	200x200x200

Speakers R series frame and fabric configuration

AVAILABLE COLOURS								
FRAME	Frame colour				Fabric colour			
	100V	LB	LA	ASA	BI	NE	SA	Dimension ØxP (mm)
FABRIC	White (LB)	Black lacquered (LN)	Satin Aluminium (ASA)	Satin Aluminium Black (ASN)				
	White (BI)	Black (NE)						

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Speakers T series main features



Prefix	Series	Installation	Variant	Frame colour		Fabric colour		Description	Dimension ØxP (mm)		
				100V	LB	LA	ASA	BI	NE		
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

Speakers T series frame and fabric configuration

AVAILABLE COLOURS								
FRAME	Frame colour				Fabric colour			
	100V	LB	LA	ASA	BI	NE	SA	Dimension ØxP (mm)
FABRIC	White (LB)	Black lacquered (LN)	Satin Aluminium (ASA)					
	White (BI)	Black (NE)						

Speakers Omni / iride main features



Prefix	Series	Installation	Variant	Frame colour		Description	Dimension ØxH (mm)	
				100V	LB	LA		
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

Speakers Omni / Iride frame and fabric configuration

AVAILABLE COLOURS								
FRAME	Frame colour				Fabric colour			
	100V	LB	LA	ASA	BI	NE	SA	Dimension ØxP (mm)
FABRIC	White (LB)	Black lacquered (LN)	Satin Aluminium (ASA)					
	White (BI)	Black (NE)						

SUB main features



Prefix	Series	Installation	Variant	Frame colour		Fabric colour		Description	Dimension LxHxP (mm)
				LN	LB	BI	NE		
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

Speakers Q series frame and fabric configuration

AVAILABLE COLOURS								
FRAME	Frame colour				Fabric colour			
	100V	LB	LA	ASA	BI	NE	SA	Dimension ØxP (mm)
FABRIC	White (LB)	Black lacquered (LN)	Satin Aluminium (ASA)					
	White (BI)	Black (NE)						

AVAILABLE COLOURS								
FRAME	Frame colour				Fabric colour			
	100V	LB	LA	ASA	BI	NE	SA	Dimension ØxP (mm)
FABRIC	White (LB)	Black lacquered (LN)	Satin Aluminium (ASA)					
	White (BI)	Black (NE)						

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Speakers Modular main features

Code	Number of ways	Rated Power (W)	Frequency (Hz)	Sensivity (dB)	Colour		Description	Dimension LxHxP (mm)
					LN	LB		
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 channels	125W x 2	50-21KHZ	88 dB	•	•	2-way wall-mount speaker for 2 stereo channels	150x650x66
EK-M105W-ST-..	2 x 2 channels	125W x 2	40-21KHZ	88 dB	•	•	2-way wall-mount speaker for 2 stereo channels	150x1050x66
EK-M123W-ST-..	2 x 2 channels	125W x 2	40-21KHZ	88 dB	•	•	2-way wall-mount speaker for 2 stereo channels	150x1230x66
EK-M145W-ST-..	2 x 2 channels	125W x 2	40-21KHZ	88 dB	•	•	2-way wall-mount speaker for 2 stereo channels	150x1450x66
EK-M105W-TRI-..	2 x 3 channels	125W x 3	40-21KHZ	88 dB	•	•	2-way wall-mount speaker for 3 channels	150x1050x66
EK-M123W-TRI-..	2 x 3 channels	125W x 3	40-21KHZ	88 dB	•	•	2-way wall-mount speaker for 3 channels	150x1230x66
EK-M145W-TRI-..	2 x 3 channels	125W x 3	40-21KHZ	88 dB	•	•	2-way wall-mount speaker for 3 channels	150x1450x66
EK-M160W-TRI-..	2 x 3 channels	125W x 3	40-21KHZ	88 dB	•	•	2-way wall-mount speaker for 3 channels	150x1600x66
EK-M172W-TRI-..	2 x 3 channels	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

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Modular frame and fabric configuration

AVAILABLE COLOURS		
FRAME	White Lacquer (LB)	Black lacquered (LN)
FABRIC	White	Black



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.

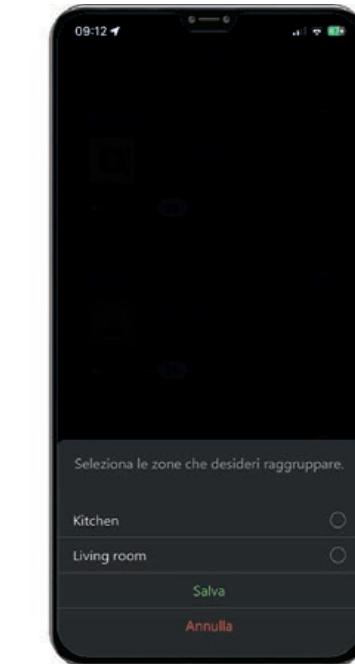
Zone player

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).



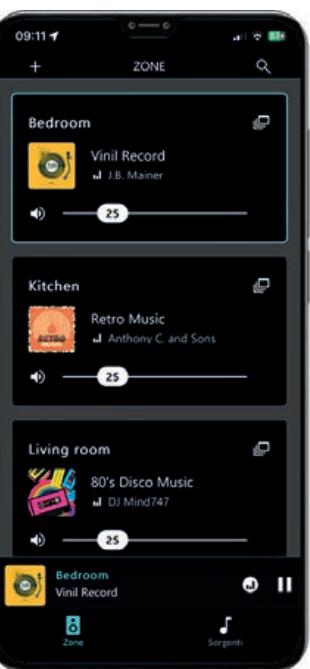
Source selection

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.



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.



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.

App Sentio configuration

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DICO | *IP door phone*

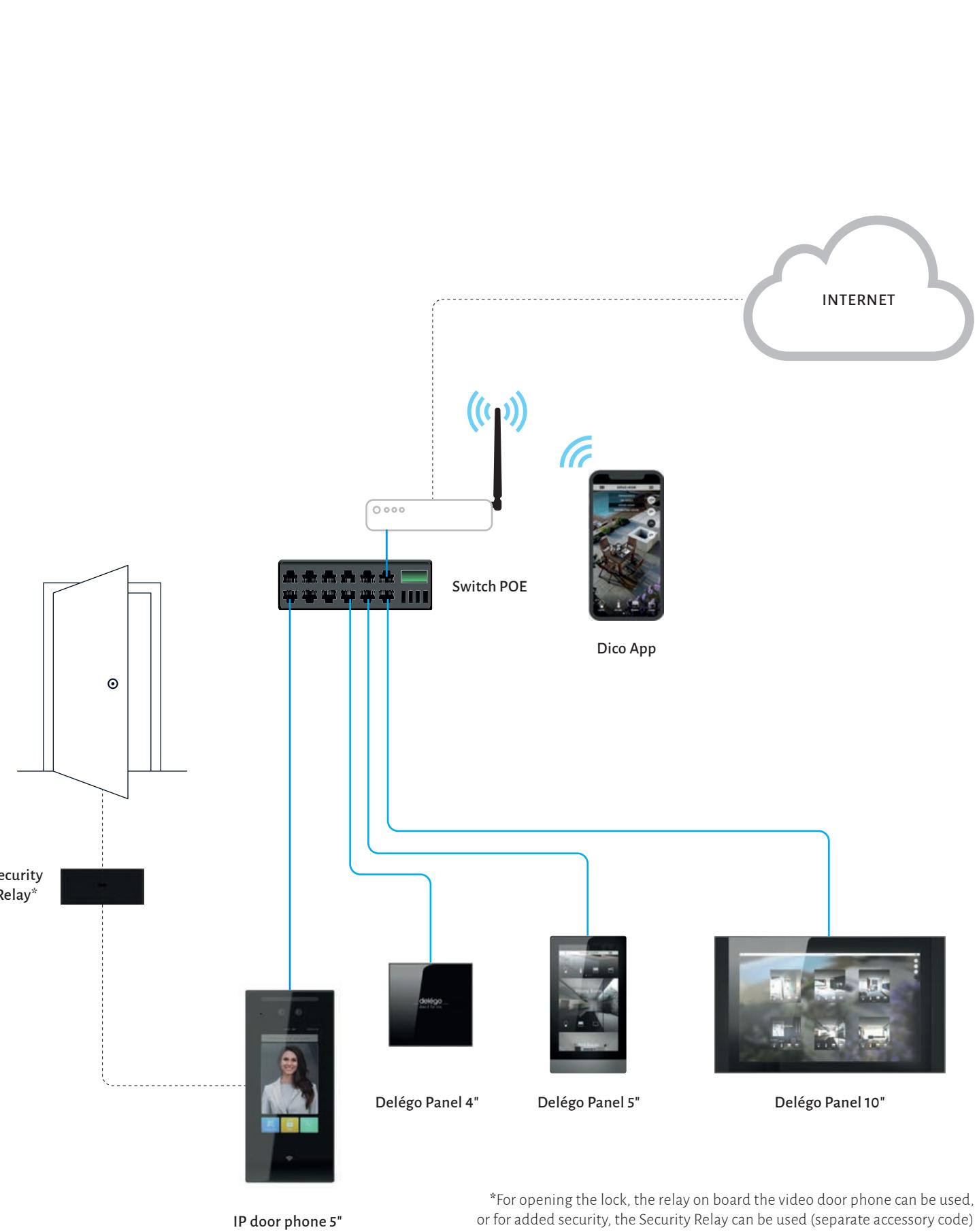
Con un design elegante e un'estrema facilità d'uso, il videocitofono DICO sfrutta un vasto campo di tecnologie all'avanguardia per l'accesso intelligente agli edifici e al controllo della casa.

With a sleek design and extreme ease of use, the DICO door phone leverages a wide range of cutting-edge technologies for intelligent building access and home control.



— KNX
— LAN
--- Other connection

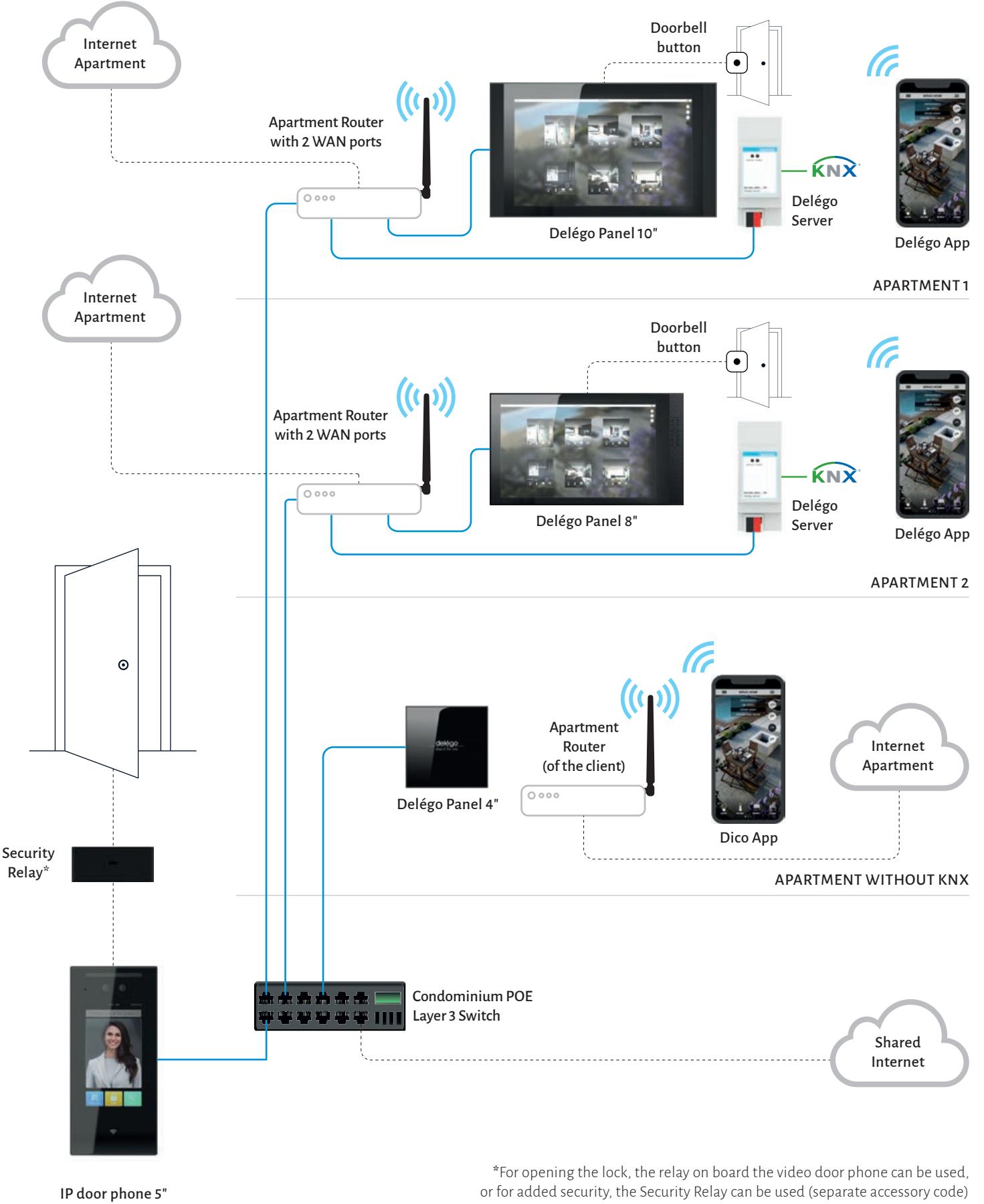
Dico IP door phone connection diagram



*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)

— KNX
— LAN
--- Other connection

Dico IP door phone Connection Scheme with KNX and Delégo (option 1)

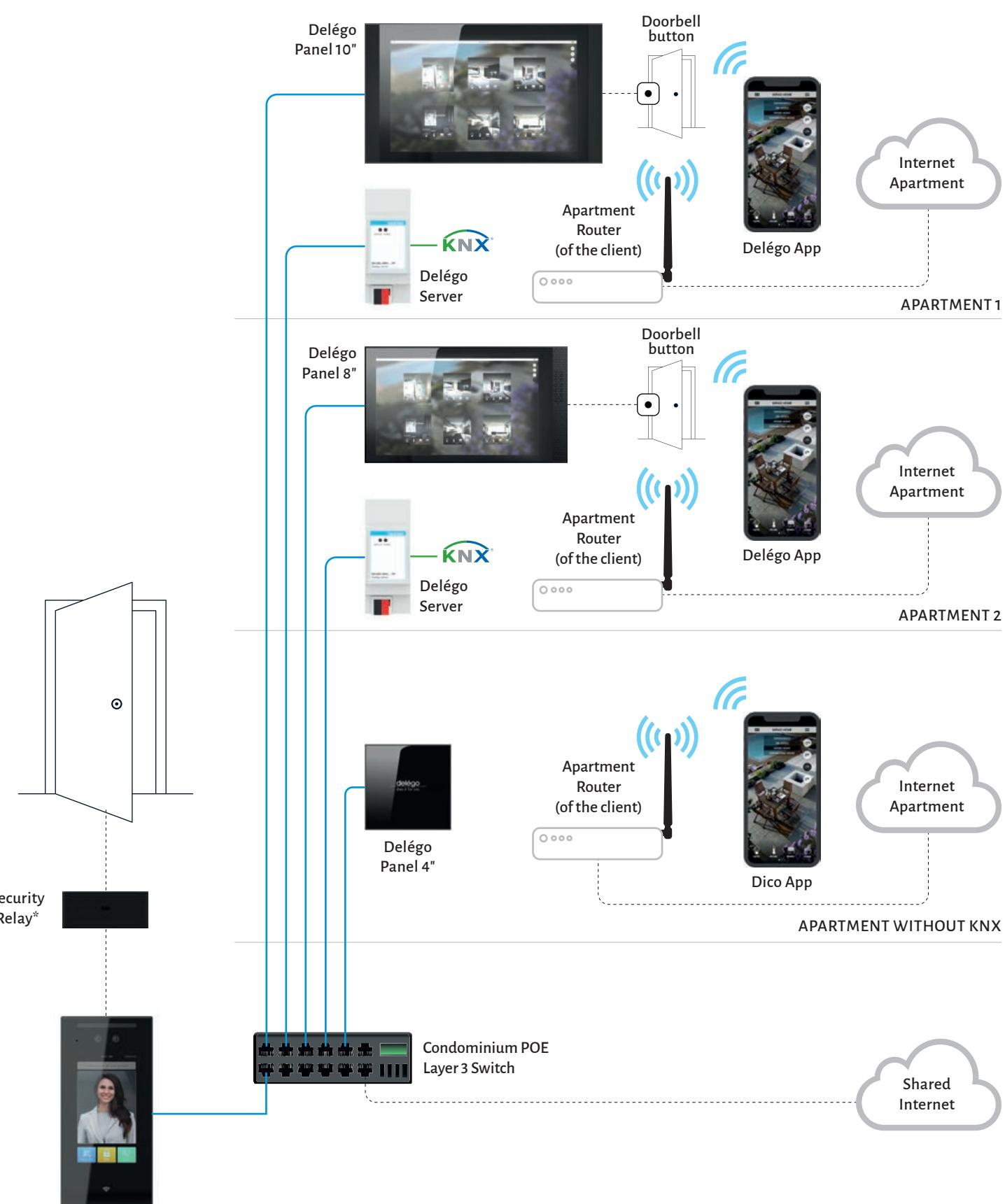


*For opening the lock, the relay on board the video door phone can be used, or for added security, the Security Relay can be used (separate accessory code)

 KNX
 LAN
 Other connection

Dico IP door phone Connection Scheme with KNX and Delégo (option 2)

Dico IP door phone



*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
EK-5DP-VI



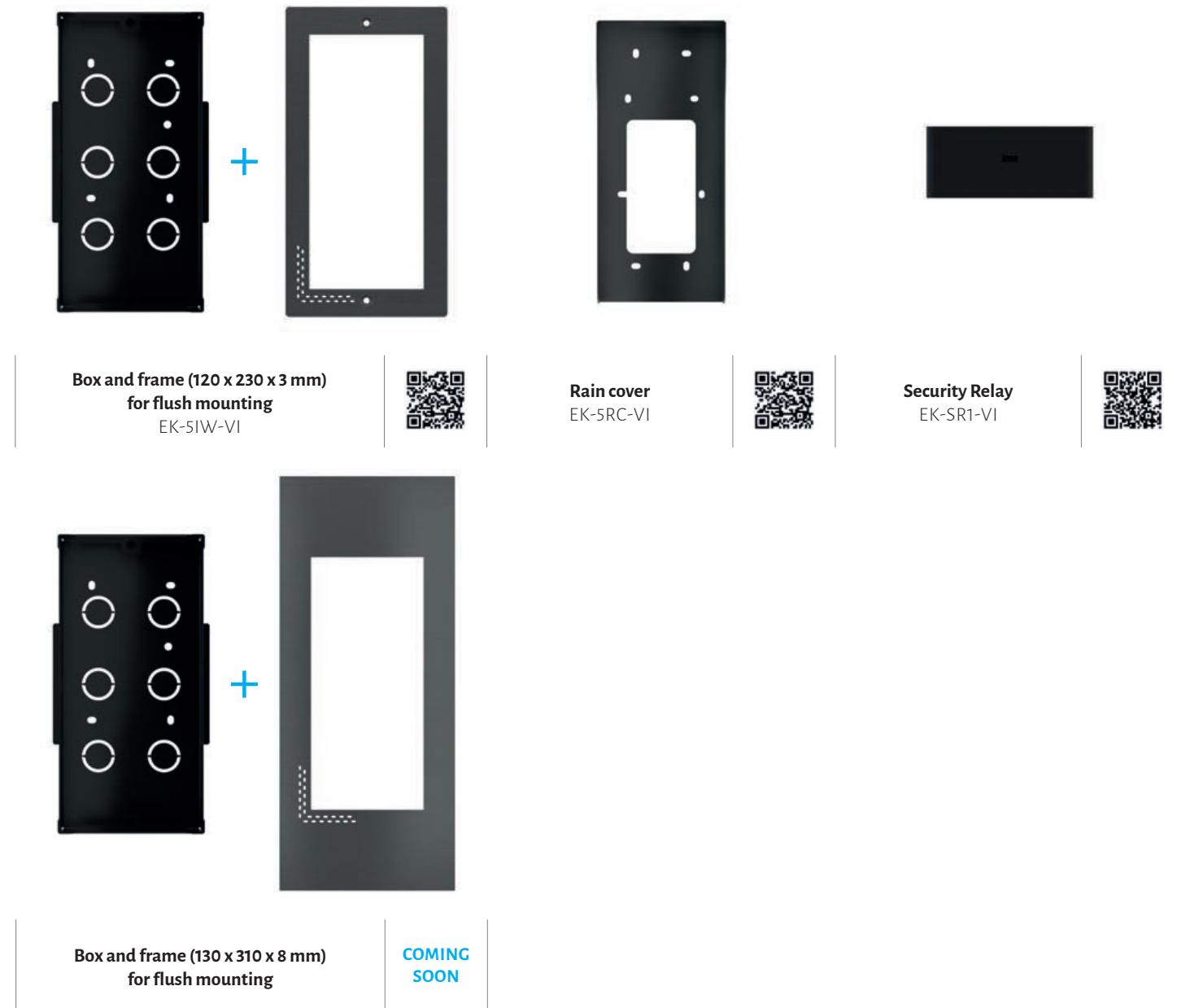
Dico IP door phone main features



EK-5DP-VI

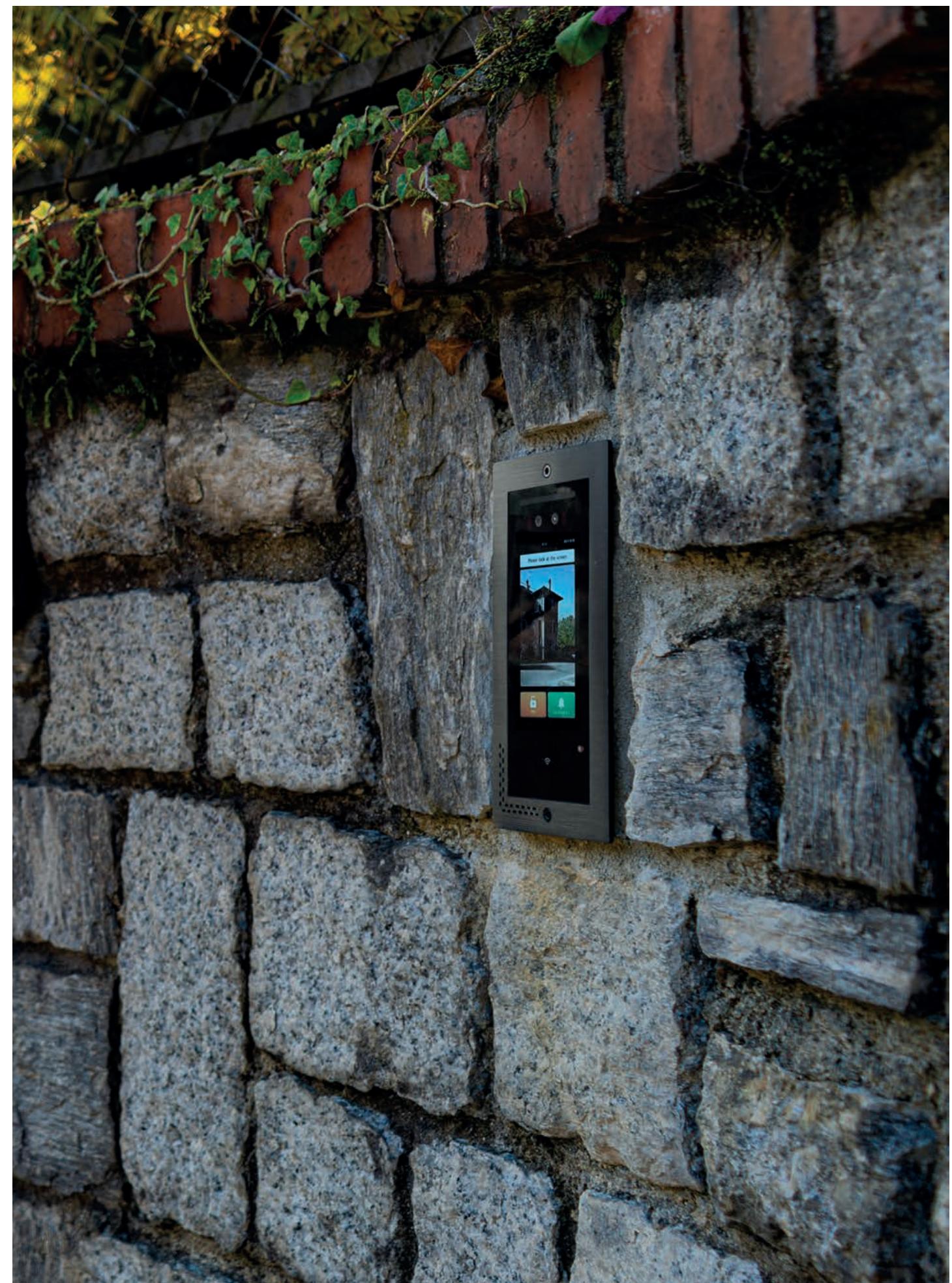
Code	EK-5DP-VI
5" IPS LCD touch screen display with 1280 x 720 pixel resolution and 2M pixel dual-lens camera, WDR	•
1 Input contact	•
Ethernet port RJ45, 10/100Mbps adaptive	•
Power supply 802.3af Power-over-Ethernet	•
12 Vdc power supply (if not using PoE) and max. current consumption 380 mA	•
Tamper supported	•
IP65 protection	•
Access control: mobile app, facial recognition, NFC, QR codes, PIN codes, RFID Card 13.56mhz	•
1 output relay for door opener	•
Input /output relays: 1/1	•
Facial recognition	•
Dual camera 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 over 99.7%	•
Allows audio and video communication with an IP phone, Delégo App or Delégo Panel via SIP standard	•
Configuration via web browser	•
Customisable touch user interface	•
Excellent voice intelligibility in all situations, even noisy ones	•
Space-saving 5" design perfect for narrow door frames	•
Wall-mount or flush-mount installation with optional box and frame EK-5IW-VI available from Ekinex. Rain cover EK-5RC-VI available on request	•

Dico IP door phone accessories



Dico IP door phone frame configuration

AVAILABLE COLOURS	
FRAME (120 x 230 x 3 mm) EK-5IW-VI	
	Brushed black
FRAME (130 x 310 x 8 mm) COMING SOON	
White (GAA)	Silver grey (GBM)
Carbon (GBU)	Brass (GBB)

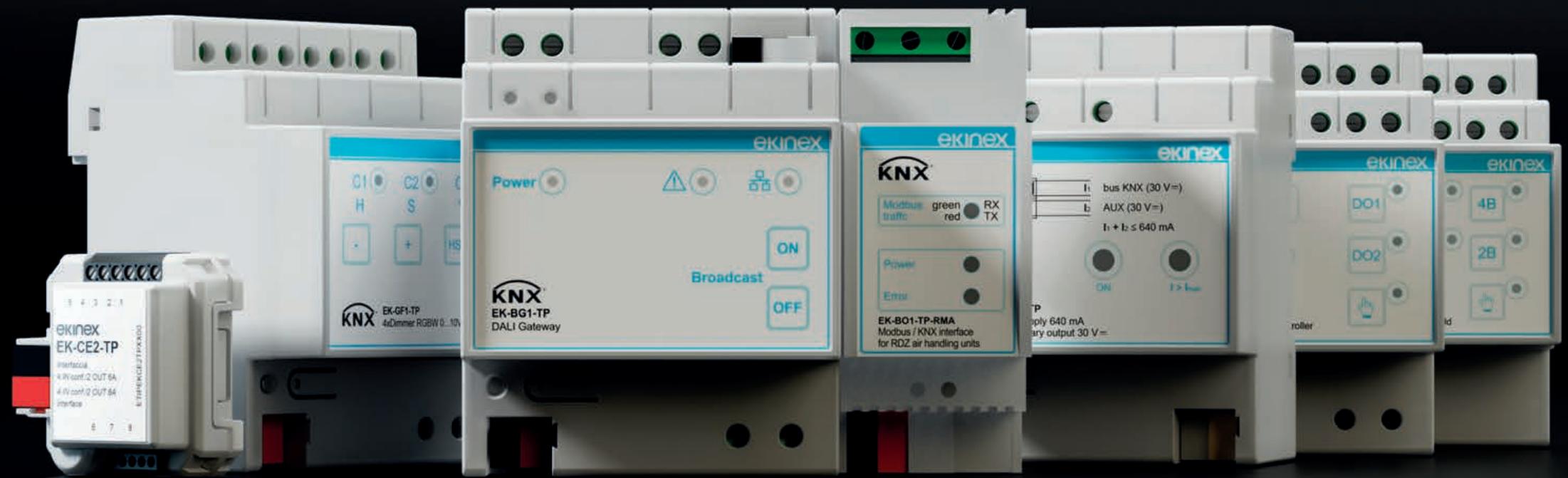


DIN-RAIL MOUNT MODULES

Moduli barra DIN

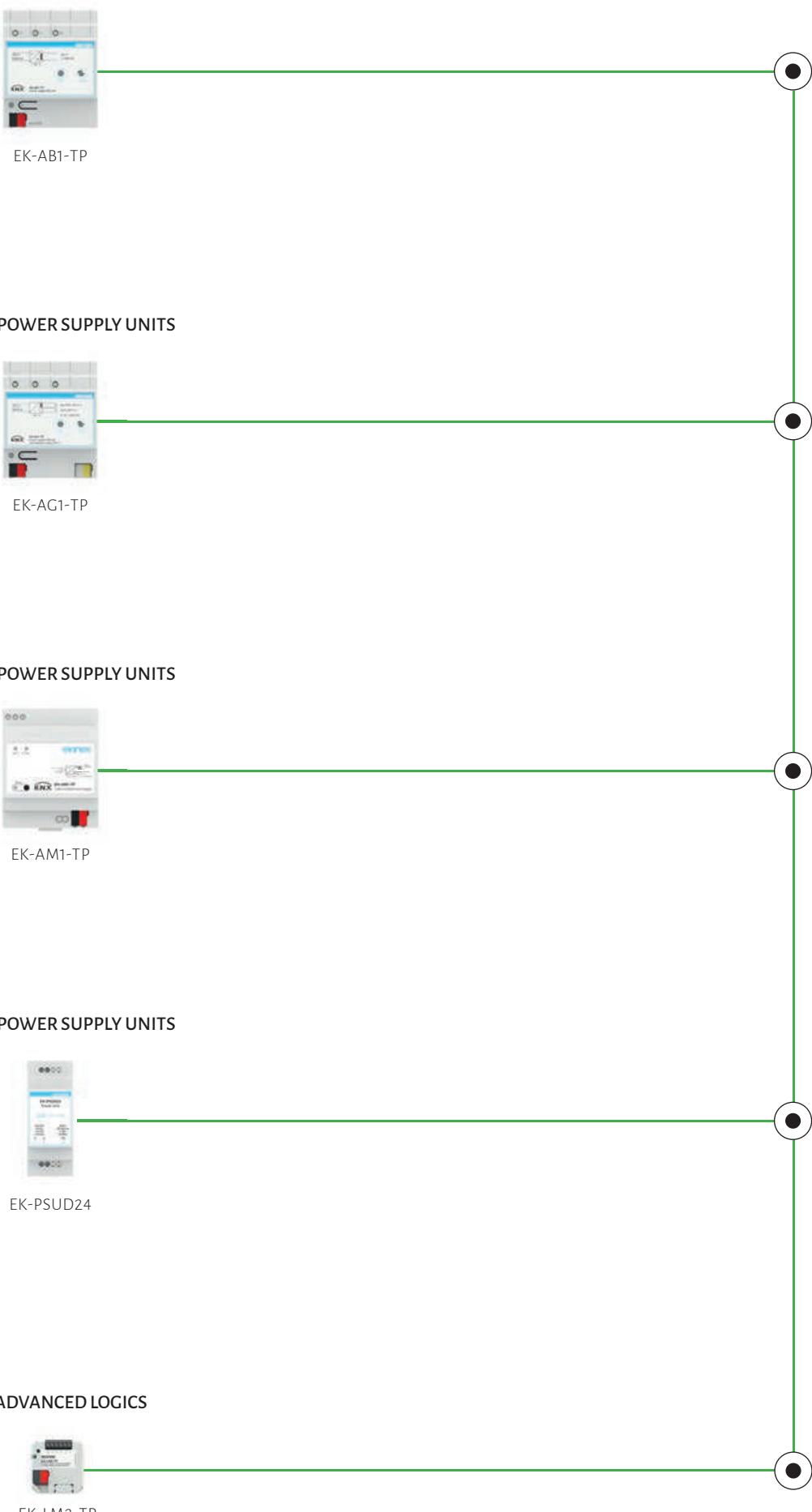
Offriamo un'ampia gamma di moduli su guida DIN basati sullo standard KNX, l'unico vero standard mondiale che consente la gestione automatizzata e decentralizzata di impianti tecnologici di ogni tipo e dimensione.

We offer a wide range of DIN rail modules based on the KNX standard, the only true world standard which enables automated and decentralised management of technological installations of all types and dimensions.



Power supply units connection diagram

POWER SUPPLY UNITS



■ 96

Power supply units



**KNX bus power supply 640 mA
EK-AB1-TP**

**Bus supply unit 640 mA with 30 Vdc auxiliary output
EK-AG1-TP**



**Power Supply 1280 mA
EK-AB1-TP**



■ 97 ■

Power supply units main features



Code	EK-AB1-TP	EK-AG1-TP	EK-AM1-TP	EK-PSUD24
Max. number of KNX devices that can be connected on the KNX bus supply line	64	64	128	-
Button to reset the connected bus line	•	•	•	-
KNX bus operation status LED	•	•	•	-
KNX bus overload status LED	•	•	•	-
Integrated decoupling coil	•	•	•	-
Primary power supply 230 Vac	•	•	•	-
Primary power supply 176 ~ 280 Vdc	-	-	•	-
Auxiliary power supply output 30 Vdc	-	•	•	-
35 mm standard rail mounting (EN 60715)	•	•	•	•
Primary power supply: 100 ~ 240 Vac and 50 ~ 60 Hz, or 110 ~ 350 Vdc	-	-	-	•
Electronic protections: thermal, overload, short-circuit	-	-	-	•
Output voltage regulation 23,3 ~ 28 Vdc	-	-	-	•

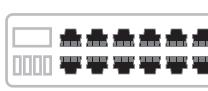
System devices connection diagram

LINE/AREA COUPLER



EK-BA1-TP

IP CONNECTION



SWITCH

IP secure interface



IP secure router



BUS FUNCTIONS



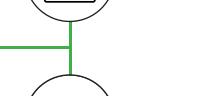
LIGHTING



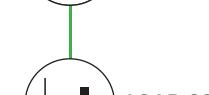
HEATING,
COOLING



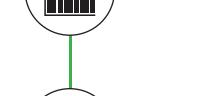
VENTILATION



SHADING



LOAD CONTROL



SCENARIOS



OTHER FUNCTIONS

USB CONNECTION



USB interface



TIMED PROGRAMMES



EK-GPS-1



ADVANCED LOGICS



EK-LM2-TP

— KNX
— IP
— USB
— Other connection

System devices



Digital time/astronomical switch
EK-TM1-TP



USB/KNX interface
EK-BD1-TP



Line/area coupler
EK-BA1-TP



System devices main features

Code	EK-TM1-TP	EK-BD1-TP	EK-BA1-TP	EK-IE1-SEC-TP	EK-IF1-SEC-TP
Suppression of device configuration on secondary line	-	-	-	•	•
Enabling or disabling of group message filtering	-	-	•	•	•
Suppression of device-oriented messages	-	-	•	•	•
Tracking of traffic on the secondary line and reduction of the number of retransmissions	-	-	•	•	•
Manual function button	•	-	•	•	•
Operation/fault status LEDs on KNX	-	•	•	•	•
Operation/fault status LEDs on Ethernet	-	-	-	•	•
35 mm standard rail mounting (EN 60715)	•	•	•	•	•
Physical address programming button	•	-	•	•	•
Connection of PC or laptop to KNX bus system	-	•	-	•	•
Connection to LAN systems and Secure Functionality	-	-	-	•	•
Hourly (daily, weekly, monthly or yearly) or astronomical programming	•	-	-	-	-
Control of 9 channels on bus and channel 1 replicable on on-board relays	•	-	-	-	-
LCD display, battery backup and connection of optional GPS module	•	-	-	-	-

 KNX
 Terminal devices
 Other connection

Universal interfaces connection diagram

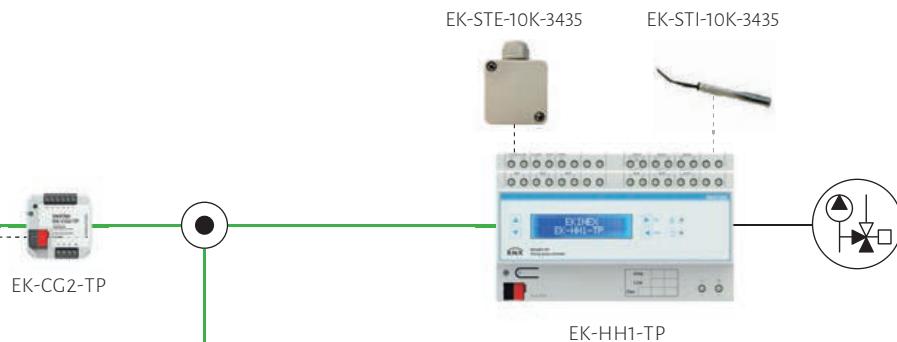
Universal interfaces

INPUTS FOR TEMPERATURE ACQUISITION

NTC Sensors



EK-STX-10K-3435 (X = E, I, L, C)



Configurable logical module
EK-LM2-TP



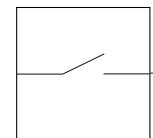
Universal interface (2 IN / 2 OUT)
EK-CC2-TP



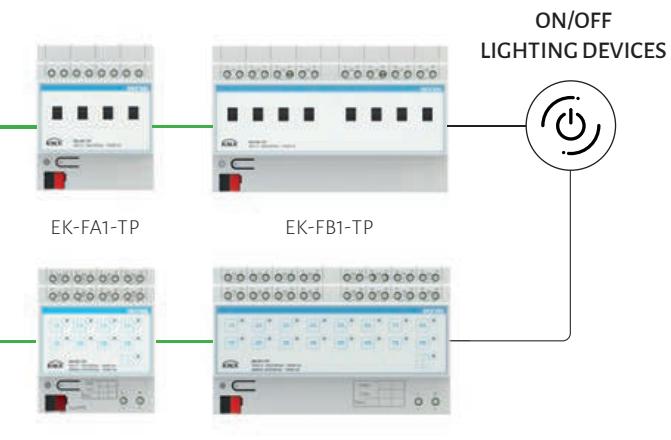
Universal interface (4 IN / 4 OUT)
EK-CD2-TP

INPUTS FOR SIGNAL ACQUISITION

Pushbuttons - Switches



EK-CE2-TP



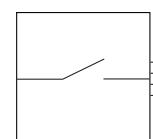
Universal interface
(4 IN conf. as DI or NTC / 4 OUT)
EK-CC2-TP



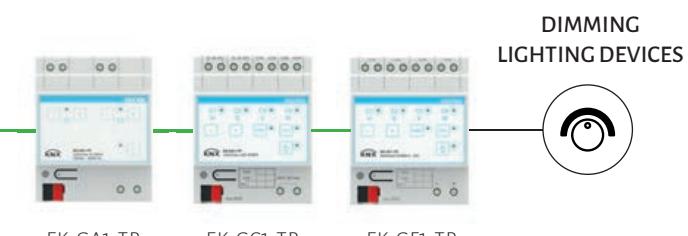
Universal interface
4 IN, 2 OUT (with relays 5A)
EK-CE2-TP

INPUTS FOR SIGNAL ACQUISITION

Pushbuttons - Switches



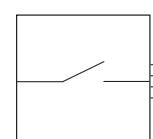
EK-CC2-TP EK-CD2-TP EK-CE2-TP EK-CG2-TP



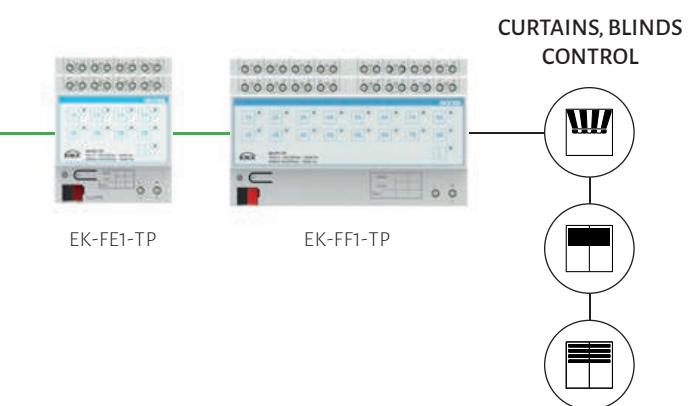
Universal interfaces main features

INPUTS FOR SIGNAL ACQUISITION

Pushbuttons - Switches



EK-CC2-TP EK-CD2-TP EK-CE2-TP EK-CG2-TP



Code	EK-LM2-TP	EK-CC2-TP	EK-CD2-TP	EK-CG2-TP	EK-CE2-TP
Input channels [DI]	4	2	4	-	3
Channels configurable as input or output for low-power LEDs	-	-	-	4	-
Input channels configurable as [AI] for NTC or [DI] probes	-	-	-	4	1
Input channels for connection of current transformers EK-TA...	-	-	-	-	-
Output channels for low-power LEDs	-	2	4	4	-
Relay output channels (5A)	-	-	-	-	2
ON/OFF control of individual and group consumers	-	•	•	•	•
Dimming control of lighting devices	-	•	•	•	•
Operating control of roller shutters (roller blinds, Venetian blinds, awnings, etc.)	-	•	•	•	•
Detecting the status of signalling contacts	•	•	•	•	•
Sending and storing scenarios	-	•	•	•	•
Logic functions (AND, OR or XOR) with 4 inputs	•	•	•	•	•
Room thermostat function	-	-	•	•	•
Pulse and drive counting	-	•	•	•	•
Mounting on 35 mm standard rail (EN 60715) via EK-SMG-35 holder	•	•	•	•	•

100

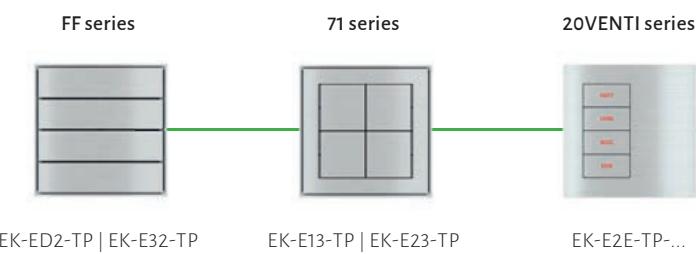
101

 KNX
 Terminal devices
 Other connection

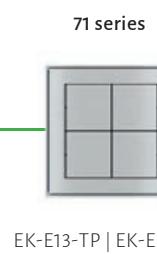
Outputs and Actuators connection diagram

Outputs and Actuators

PUSHBUTTONS



EK-ED2-TP | EK-E32-TP



EK-E13-TP | EK-E23-TP



EK-E2E-TP...

ON/OFF LIGHTING DEVICES

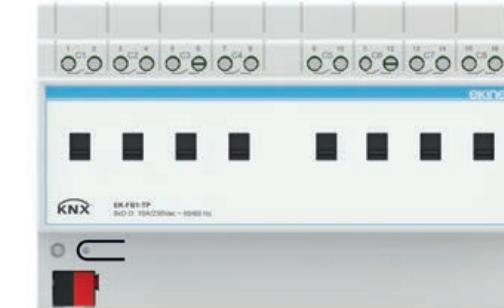


EK-FA1-TP

EK-FB1-TP



4-fold binary output
EK-FA1-TP



8-fold binary output
EK-FB1-TP

VIRTUAL PUSHBUTTON WITH TOUCH DISPLAY



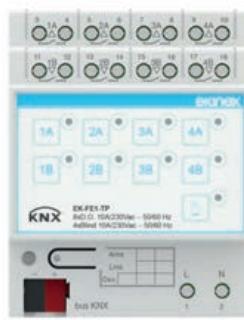
EK-EV3-TP



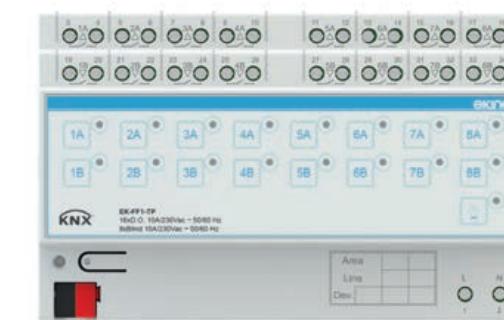
EK-FE1-TP



EK-FF1-TP

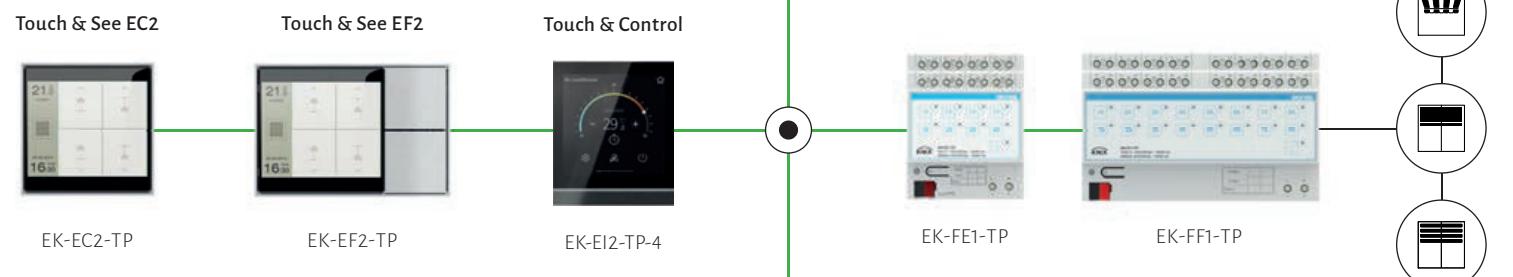


8-fold binary output / 4-fold
blind actuator
EK-FE1-TP



16-fold binary output / 8-fold
blind actuator
EK-FF1-TP

DEVICES WITH TOUCH DISPLAY



EK-EC2-TP

EK-EF2-TP

EK-EI2-TP-4

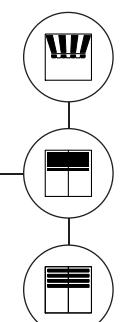


EK-FE1-TP



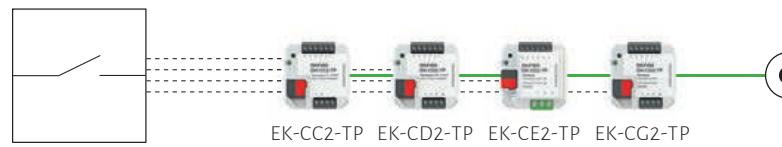
EK-FF1-TP

CURTAINS, BLINDS CONTROL



INPUTS FOR SIGNAL ACQUISITION

Pushbuttons - Switches



EK-CC2-TP EK-CD2-TP EK-CE2-TP EK-CG2-TP

Code

	EK-FA1-TP	EK-FB1-TP	EK-FE1-TP	EK-FF1-TP
ON/OFF control of individual and group devices	•	•	•	•
Configuration of individual outputs as normally open or normally closed	•	•	•	•
Logic ports and forced operation for each channel	•	•	•	•
Manual operation via membrane pushbuttons	-	-	•	•
Manual operation by means of toggles (also in the absence of bus voltage)	•	•	-	-
Status indication of the outputs via the position of the levers	•	•	-	-
Status indication of outputs via LEDs	-	-	•	•
Switching button manual/automatic mode	-	-	•	•
Blocking function for each channel - 230 Vac auxiliary power supply	-	-	•	•
Switch-on and switch-off timers and staircase lights - Scenario management	•	•	•	•
Operating hours counter configurable via bus	•	•	•	•
Roller shutter/blinds mode operation	-	-	•	•
Automatic control for protection from direct sunlight	-	-	•	•
Automatic control for protection against weather conditions (rain wind, frost)	-	-	•	•
35 mm standard rail mounting (EN 60715)	•	•	•	•

Outputs and Actuators main features



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KNX
 IP
 USB
 Terminal devices
 Other connection

Input/output modules connection diagram

CARD READER AND HOLDER

Smart card



EK-TCE-10
EK-TCI-10

Card holder

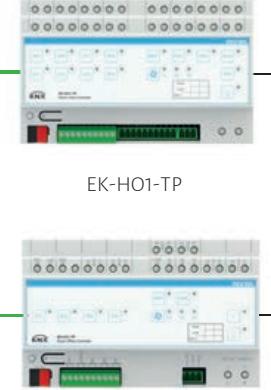


EK-TH2-TP

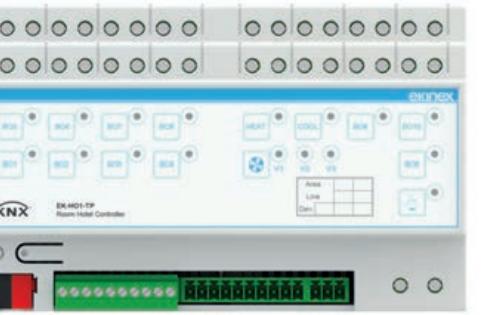
Card reader



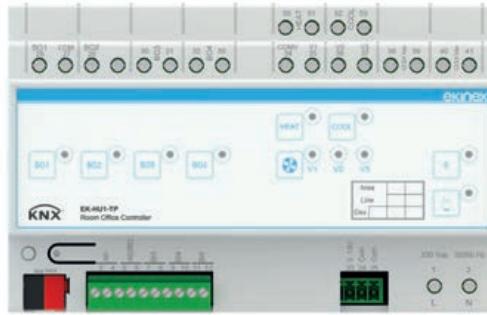
EK-TR2-TP



EK-HO1-TP
EK-HU1-TP



Input/output module
for hotel applications
EK-HO1-TP



Input/output module
for office applications
EK-HU1-TP

Input/output modules

ACCÉDO SOFTWARE AND CARD PROGRAMMING DEVICES

Software



EK-ACC-L...

USB interface



EK-BD1-TP



EK-TPBOX-TP



EK-TP2-TP

FAN-COIL CONTROL FOR HEATING AND COOLING



ON/OFF LIGHTING CONTROL



SHADING CONTROL



SIGNAL ACQUISITION AND TEMPERATURES



ON/OFF COMMAND LOADS



ELECTRIC LOCK CONTROL



FUNCTION CONTROL HOTEL ROOM

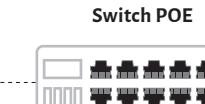


REMOTE ASSISTANCE AND SUPERVISION

Router Tosibox



USB Tosibox



EK-DEL-TB1...

IP interface



EK-IE1-SEC-TP

EK-TBL5

EK-DEL-TBL5-SIM

Input/output modules main features

Code

Power supply 30 Vdc from bus



•

•

Auxiliary power supply 230 Vac 50/60 Hz

•

•

Analogue inputs

Inputs freely programmable as analogue or binary

1

1

Binary inputs

Relay outputs 5(3) A

9

3

Relay outputs 5(3) A, for fan control

4

2

Relay outputs 16(10) A, for heating and cooling valve control

3

3

Relay outputs for electric lock control

2

Relay outputs 16(10) A

1

1

0-10 Vdc output

6

-

Membrane keypad for manual control of outputs

1

1

Function for lighting ON/OFF control

6

1

Function for shutter/curtain control

2

1

Function for electric strike control

•

-

Function for thermoregulation control

•

•

Function for switch-off scenarios and courtesy lights

•

-

Logic functions

•

•

 KNX
 Terminal devices
 Other connection

Thermal regulation connection diagram

Thermal regulation

ROOM THERMOSTATS

FF series



71 series



EK-EP2-TP | EK-EQ2-TP | EK-ER2-TP

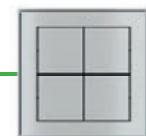
EK-E73-TP

PUSHBUTTONS WITH TEMPERATURE SENSOR AND THERMOSTAT FUNCTION

FF series



71 series



EK-ED2-TP | EK-E32-TP

EK-E13-TP | EK-E23-TP

20VENTI series



MULTISENSORS WITH THERMOSTAT FUNCTION

T - R.H. -eq. CO₂



T - R.H. - eq. CO₂ - TVOC



EK-ET3-TP

EK-ES3-TP

DEVICES WITH TOUCH DISPLAY AND THERMOSTAT FUNCTION

Touch & See EC2



Touch & See EF2



SIGNUM

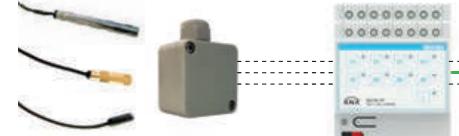


Touch & Control

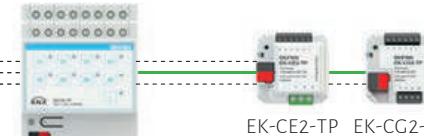


INPUTS FOR TEMPERATURE ACQUISITION

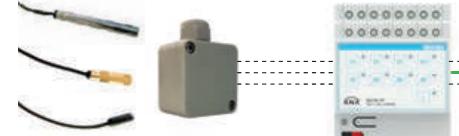
NTC Sensors



EK-STX-10K-3435 (X = E, I, L, C)

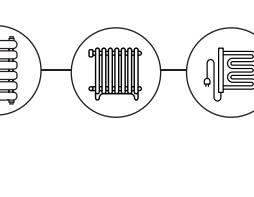


EK-CE2-TP EK-CG2-TP



EK-CA1-TP

HEATING SYSTEM



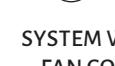
EK-HE1-TP



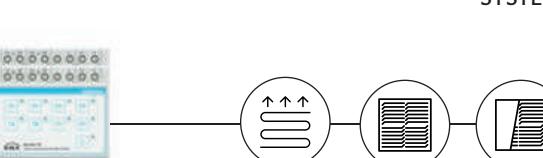
SYSTEM WITH FAN COILS



EK-HA1-TP EK-HB1-TP EK-HC1-TP



RADIANT PANEL SYSTEM



EK-HE1-TP EK-STE-10K-3435 EK-STI-10K-3435



INPUTS FOR TEMPERATURE ACQUISITION



EK-HH1-TP



Thermal regulation connection diagram



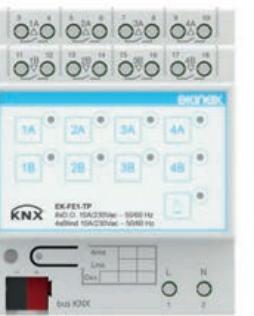
Fancoil controller 3 speed
EK-HA1-TP



Fancoil controller 0-10 V
EK-HB1-TP



Fancoil controller 3 speed and 0-10V
EK-HC1-TP



Actuator/controller 8-fold
for electrothermal valve drives
EK-HE1-TP



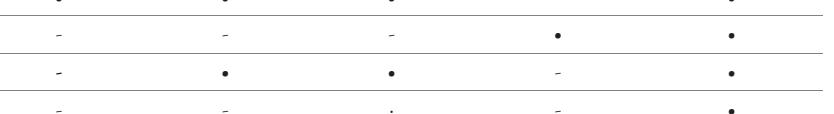
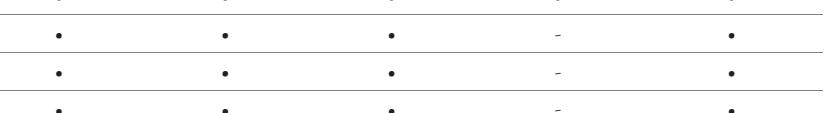
Mixing group controller
EK-HH1-TP



Thermal regulation main features

Code

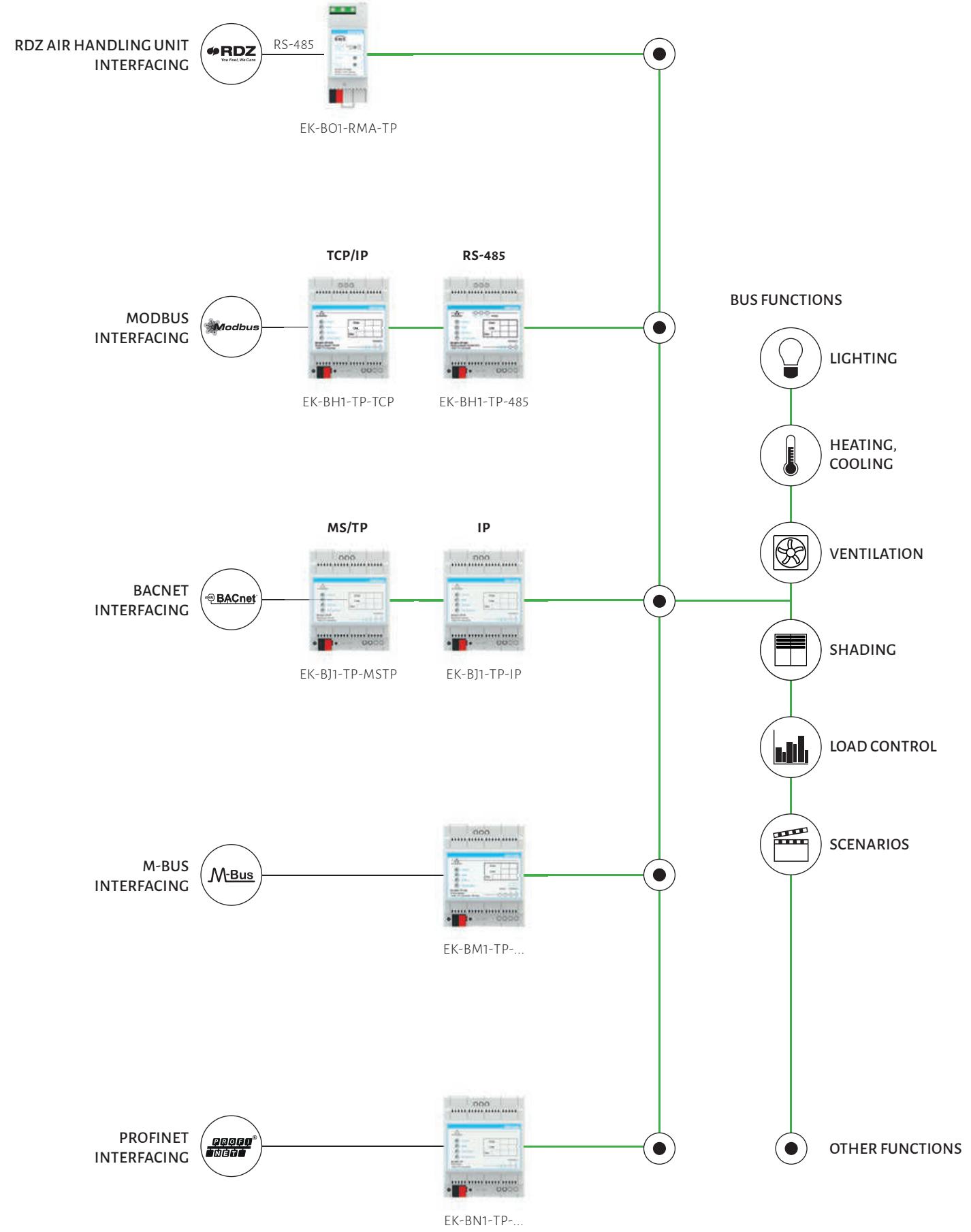
	EK-HA1-TP	EK-HB1-TP	EK-HC1-TP	EK-HE1-TP	EK-HH1-TP
30 Vdc powersupply from KNX bus	•	•	•	•	•
Auxiliary power supply 230 Vac 50/60 Hz	•	•	•	•	•
Analogue inputs (passive NTC temperature probes 10 kΩ at 25°C)	•	•	•	–	•
Digital inputs (potential-free)	•	•	•	–	•
Relay outputs	•	•	•	–	•
TRIAC outputs	–	–	–	•	•
0-10V output (high impedance control signal)	–	•	•	–	•
Membrane keypad for manual-automatic control with status LEDs	–	–	–	–	•
LCD display	–	–	–	–	•
Systems with 2-pipe hydraulic distribution	•	•	•	•	–
Systems with 4-pipe hydraulic distribution	–	–	•	•	–
Actuator and internal controller	•	•	•	•	–
Air terminal: fan, convector, fancoil	•	•	•	–	–
Air terminal: fancoil + electric second stage	–	–	•	–	–
Radiant panel floor and ceiling systems	–	–	–	•	•
Mixing systems for floor and ceiling radiant panel	–	–	–	–	•
35 mm standard rail mounting (EN 60715)	•	•	•	•	•



 KNX
 Terminal devices

Gateway connection diagram

Gateway



Gateway main features

Code	EK-BH1-TP-485	EK-BH1-TP-TCP	EK-BJ1-TP-IP	EK-BJ1-TP-MSTP	EK-BM1-TP-XX	EK-BN1-TP
Power supply	•	•	•	•	•	•
Isolated RS485 serial communication port	•	-	-	•	-	-
Line terminator (120 Ohm) switchable via 1-way switch	•	-	-	-	-	-
Communication Modbus master RTU (Remote Terminal Unit)	•	•	-	-	-	-
Communication BACnet slave	-	-	•	-	-	-
Communication BACnet	-	-	•	•	-	-
Communication PROFINET slave	-	-	-	-	-	•
BACnet register exchange	-	-	•	-	-	-
PROFINET register exchange	-	-	-	-	-	•
Communication DMX master	-	-	-	-	-	-
Communication speed 250 kbaud	-	-	-	-	-	-
Communication speed 1200 to 115200 baud	•	-	-	•	-	-
Communication speed 3000 to 38400 baud	-	-	-	-	•	-
Communication port Ethernet (IEEE 802.3), RJ45 connector	-	•	•	-	-	•
M-Bus communication port	-	-	-	-	•	-
Device addressing 1 to 250	-	-	-	-	•	-
Device addressing 0 to 250	•	•	-	-	-	-
Device addressing 0 to 512	-	-	-	-	-	-
Coil, Input, Holding Register and Input Register exchange	•	•	-	-	-	-
Read and write single registers and multiple registers	•	•	-	-	-	-
Write 1 byte registers to up to 512 DMX devices	-	-	-	-	-	-
Volatile back-up memory, 1440 byte "Modbus image" buffer	•	•	-	-	-	-
Volatile storage, 1440-byte "BACnet image" buffer	-	-	•	•	-	-
Volatile storage, "M-Bus image" buffer of 1440 bytes	-	-	-	-	•	-
Volatile storage, "PROFINET image" buffer of 1440 bytes	-	-	-	-	-	•
KNX communication port TP (Twisted Pair) at 9600 baud	•	•	•	•	•	•
Volatile back-up memory with 1440-byte "KNX image" buffer	•	•	•	•	•	•
Additional configuration programme	•	•	•	•	•	•
35 mm standard rail mounting (EN 60715)	•	•	•	•	•	•

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Gateway KNX/UTA



Modbus / KNX interface for RDZ
air handling units
EK-BO1-TP-RMA



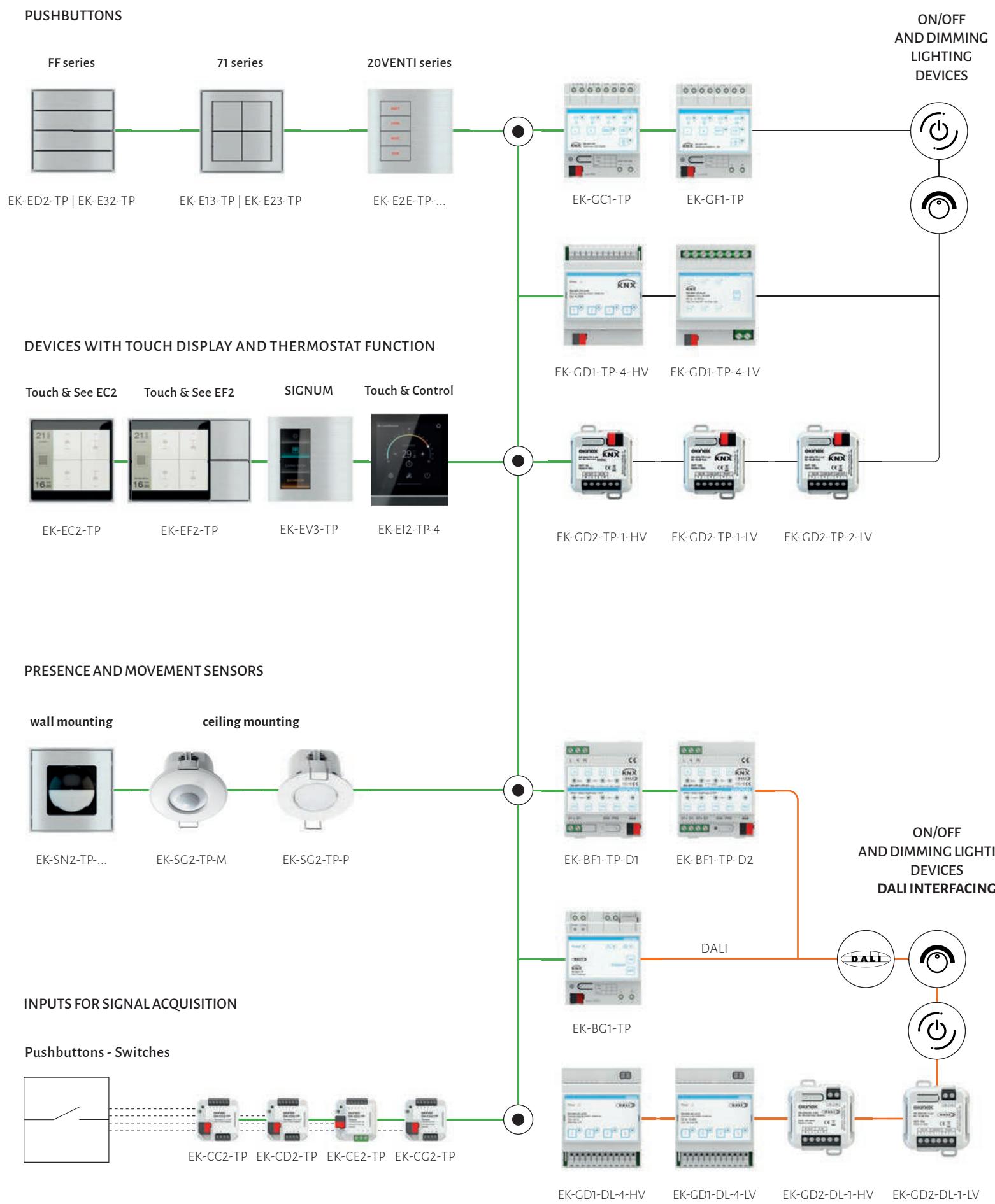
Code	EK-BO1-TP-RMA
30 Vdc power supply from KNX bus	•
35 mm standard rail mounting (EN 60715)	•
SUPPORTED RDZ AIR HANDLING UNITS	
Mechanical ventilation with heat recovery	CHR family - WHR family
Air renewal with dehumidification	UAP PDC family - UC family
LED signalling Modbus traffic, device status, error signalling, KNX programming	•
Programming button	•

Gateway KNX/UTA main features

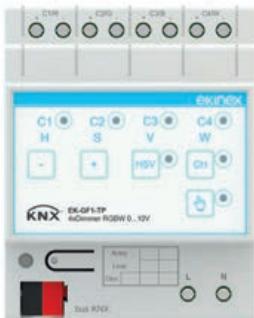
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KNX
 DALI
 Terminal devices
 Other connection

Lighting connection diagram



KNX Actuators and Dimmers high voltage



4-fold 0-10 V actuator
EK-GF1-TP



KNX Dimmer 90-230V~50/60Hz
4-channels
EK-GD1-TP-4-HV



KNX Dimmer 90-230V~50/60Hz
1-channel
EK-GD2-TP-1-HV



KNX Actuators and Dimmers high voltage main features



EK-GD1-TP-4-HV EK-GD2-TP-1-HV

Code	EK-GD1-TP-4-HV	EK-GD2-TP-1-HV
Light intensity adjustment	•	•
Manual operation via membrane buttons	•	-
4 independent channels	•	-
1 independent channel	-	•
Max. current in outputs per channel	1A	1A
Comfort switching on and off	•	•
Timed lights and staircase function	•	•
Control range 1-100%	•	•
35 mm standard rail mounting (EN 60715)	•	* [*]
Slots for screw installation	-	•
Advanced scene management	•	•
Function hour counter	•	•
Alarm for short circuit, open load and power failure	•	•

*adapter in the package required

KNX Dimmer low voltage

DALI Dimmer



Dimmer LED
RGBW
EK-GC1-TP



Dimmer 12-48 Vdc
4 channels
EK-GD1-TP-4-LV



COMING
SOON



Dimmer 12-48 Vdc
1 channel
EK-GD2-TP-1-LV

COMING
SOON



Dimmer 12-48 Vdc
2 channels
EK-GD2-TP-2-LV

COMING
SOON



DALI Dimmer
12/48 Vdc
EK-GD2-DL-1-LV



DALI Dimmer 12/48 Vdc
2 channels
EK-GD2-DL-2-LV



DALI Dimmer 90-230V~
50/60Hz
EK-GD2-DL-1-HV



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KNX Dimmer low voltage main features



Code	EK-GC1-TP	EK-GF1-TP	EK-GD1-TP-4-LV	EK-GD2-TP-1-LV	EK-GD2-TP-2-LV
Light intensity adjustment	•	•	•	•	•
Manual operation via membrane buttons	•	•	•	-	-
4 independent channels	•	•	•	-	-
2 independent channels	-	-	-	•	-
1 independent channel	-	-	-	-	•
Max. current in outputs per channel	4A	50mA	6Amp	6Amp	6Amp
Comfort switching on and off	-	-	•	•	•
Timed lights and staircase function	-	-	•	•	•
Control in Tunable White colour temperature mode	-	-	•	•	-
Control in RGBW/HSV mode	•	-	-	-	-
Maximum PWM frequency	390Hz	-	3000 Hz	3000 Hz	3000Hz
Terminals 0.5 - 4.0mm ² (solid core) / 0.5 - 2.5mm ² finely stranded	-	-	•	•	•
Oversupply and short-circuit protection	-	-	•	•	•
Power supply range	12-24Vdc	0-10Vdc	12-48Vdc	12-48Vdc	12-48Vdc
Power-saving function with dedicated relay	•	-	•	-	-
35 mm standard rail mounting (EN 60715)	•	•	•	•*	•*

*adapter in the package required

high voltage



Code	EK-GD2-DL-1-HV	EK-GD1-DL-4-HV
Light intensity adjustment	•	•
Manual operation via membrane buttons	•	-
4 independent channels	•	-
1 independent channel	-	•
Max. current in outputs per channel	1A	1A
Comfort switching on and off	•	•
Timed lights and staircase function	•	•
Control range 1-100%	•	•
35 mm standard rail mounting (EN 60715)	•	*
Slots for screw installation	-	•
Advanced scene management	•	•
Function hour counter	•	•
Alarm for short circuit, open load and power failure	•	•

*adapter in the package required

low voltage



Code	EK-GD2-DL-1-LV	EK-GD2-DL-2-LV	EK-GD1-DL-4-LV
Light intensity adjustment	•	•	•
Manual operation via membrane buttons	•	-	-
Independent channels	1	2	4
Max. current in outputs per channel	6Amp	6Amp	6Amp
Comfort switching on and off	•	•	•
Timed lights and staircase function	•	•	•
Control in tunable white colour temperature mode	•	•	-
Control in RGBW/HSV mode	•	-	-
Maximum PWM frequency	3000Hz	3000Hz	3000Hz
Terminals 0.5 - 4.0mm ² (solid core) / 0.5 - 2.5mm ² finely stranded	•	•	•
Oversupply and short-circuit protection	•	•	•
Power supply range	12-48Vdc	12-48Vdc	12-48Vdc
Energy-saving function with dedicated relay	•	-	-
Standard rail mounting 35 mm (EN 60715)	•	*	*

DALI-KNX Gateway

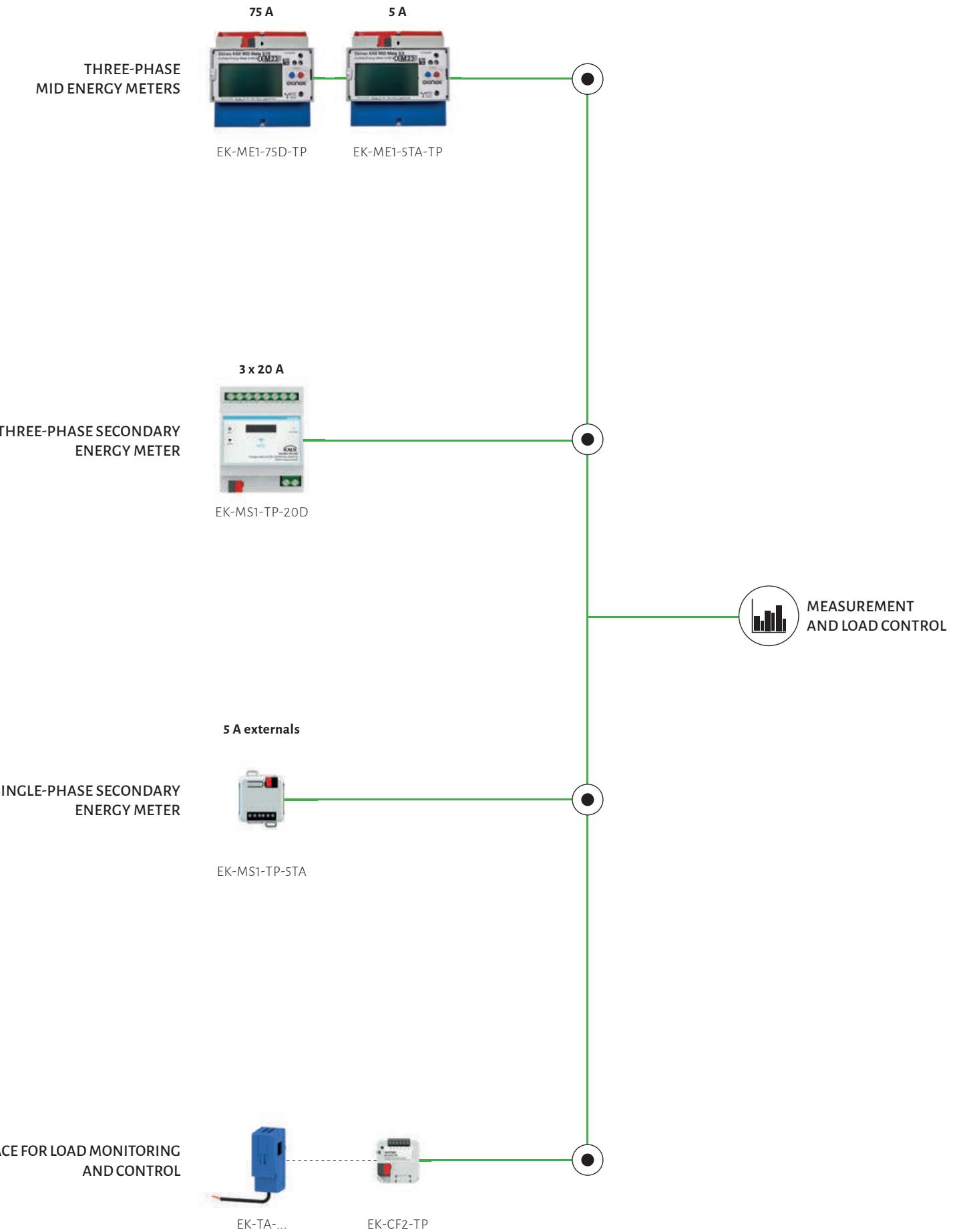


DALI-KNX Gateway main features

Code	EK-BC1-TP	EK-BF1-TP-D1	EK-BF1-TP-D2
Power supply	•	-	-
Ethernet communication port (IEEE 802.3), RJ45 connector	•	-	-
KNX communication port TP (Twisted Pair) at 9600 baud	•	-	-
Support volatile memory with 1440-byte "KNX image" buffer	•	-	-
Additional configuration programme	•	•	•
35 mm standard rail mounting (EN 60715)	•	•	•
DALI communication protocol	•	•	•
64 ballasts variable addresses	•	•	-
128 ballasts variable addresses	-	-	•
Night mode	•	-	-
DT8 TW management	•	•	•
DT8 RGBW management	•	-	-

— KNX

Metering connection diagram



Metering

Metering main features



Three-phase MID electricity meter 75A
EK-ME1-75D-TP



Three-phase MID electricity meter 5A
EK-ME1-STA-TP



Three-phase secondary energy meter 3 x 20A
EK-MS1-TP-20D

COMING SOON



Single-phase secondary energy meter 5A
EK-MS1-TP-5TA

COMING SOON



Interface for load monitoring and control
EK-CF2-TP



Code	EK-MS1-TP-20D	EK-MS1-TP-5TA	EK-ME1-75D-TP	EK-ME1-STA-TP	EK-CF2-TP
Three-phase metering	•	-	•	•	•
Single-phase metering	•	•	•	•	•
Direct insertion	•	-	•	-	-
Input channels for connecting current transformers	-	•	-	•	•
Bidirectional measurement on 4 quadrants for all energies and powers	•	•	•	•	-
Measurement of all main parameters required for consumption analysis	•	•	•	•	-
For three / four-wire networks with balanced or unbalanced load	•	•	•	•	-
Class B according to EN 50470-3	-	-	•	•	-
Input for tariff	-	-	•	•	-
2 SO outputs for re-emitting energy pulses	-	-	•	•	-
Configurable digital outputs	-	-	•	•	-
Average values of active and reactive powers can be recorded	•	•	-	-	-
LCD display	-	-	•	•	-
OLED display	•	-	-	-	-
Sealable terminal cover	-	-	•	•	-
MID certificate	-	-	•	•	-
Modbus RTU (8N1) and ASCII (7E2) protocols	•	-	-	-	-
RS485 port	•	-	-	-	-
Communication speed 300 to 115200 bps	•	-	-	-	-
Serial communication via optical port	•	•	-	-	-
KNX protocol	•	•	•	•	•
Communication speed 9600 bps	•	•	•	•	•
35 mm standard rail mounting (EN 60715)	•	•	•	•	-
Mounting on standard 35 mm guide rail (EN 60715) via holder EK-SMG-35	-	•	-	-	•
Current measurement for load control with priority disconnection	-	-	-	-	-

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Interface for load monitoring and control
EK-CF2-TP



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— BUS
— LAN
— WI-FI

Konnect4 connection diagram

Konnect4

PUSHBUTTONS



Konnect4
EK-BR1-TP



VIRTUAL PUSHBUTTON WITH TOUCH DISPLAY



ACTUATORS



Konnect4 is automatically recognised
by Composer Pro via SSDP.

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Konnect4 main features



EK-BR1-TP

Code

- Power supply 12/24 Vdc
- Power consumption 3W (240mA at 12V)
- Ethernet LAN connection port
- Design for 35 mm mounting rail (according to EN 60715)
- Degree of protection IP20 (acc. to EN 60529)
- Insulation class II (to EN 60335-1)
- 2 UM modular device (1 UM = 18 mm)
- Automatic network discovery via sddp
- BUS line scanning and automatic assignment of addresses to connected Ekinex devices
- Identification of devices connected to the BUS within composer pro via sddp
- Configuration of device operating parameters via driver
- Downloading of the configuration completely from Composer Pro
- Interfacing of configured devices with other devices, including third-party devices, via special connections

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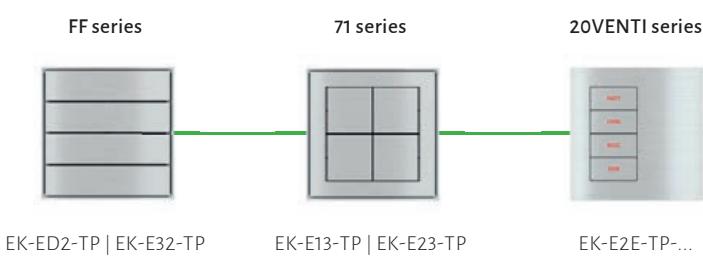
■ 123



Revélo Lift TV connection diagram

KNX
 230 Vac
 Mod-BUS
 Other connection

PUSHBUTTONS



Under Bed Lift TV

VIRTUAL PUSHBUTTON WITH TOUCH DISPLAY

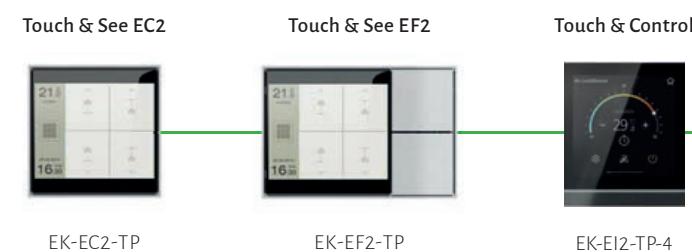
SIGNUM



EK-EV3-TP

Up&Down Lift TV

DEVICES WITH TOUCH DISPLAY



Up&Down Lift TV XL

DELÉGO SUPERVISION



DELEGO PANELS

Mod-BUS

230 Vac



Revélo Lift TV main features

Code	EK-BTV-BL	EK-LTV-BL	EK-LTV-XL-BL
Dimensions in rest position (without TV): 1574 x 680 x 221 mm	•	32" / 43"	32" / 65"
Maximum dimensions (without TV): 1930 x 680 x 1740 mm	•	Min. space between TV and cabinet shelf: 13.50 mm	•
Mass (without TV): 80 kg	•	Maximum weight:	70 Kg 60 Kg
Cycle time: 25-28 s	•	Cycle time: 18 - 25 s	•
POWER SUPPLY		Voltage: 100 - 240 Vac ±10% @ 50 - 60 Hz ±2%	•
Voltage: 230 V ±10%	•	Stand-by power: 0.1 W	•
Frequency: 50 Hz ±2%	•	Total power output: 300 W	•
Current: 1.6 A	•	REQUIRED PROTECTION: IP20	•
Total installed power: 150 W	•	Dimensions in stand-by position (WxHxD, without TV)	471 x 598,5 mm 471 x 753,5 mm
Required protection: IP20	•	(WxHxD, without TV)	471 x 1445 x 174,7 mm 471 x 1945 x 171,5 mm
TECHNICAL DATA - TELEVISION		Maximum dimensions (WxHxD, without TV)	15 kg (33 lb) 16 kg (35 lb)
Minimum screen size: 32"	•	Mass (without TV)	518 / 545 mm 700 mm
Maximum screen size: 55"	•	Installation dimensions	• •
Minimum space between TV and top bed frame: 50 mm	•	Motion Silence	• •
Maximum weight: 25 Kg	•	PIEZO™ technology: integrated anti-collision sensor	• •
Silent movement	•	PVC-FreeTM, made without PVC materials	• •
Wired control for movement actuation	•	Invisible slide rails	• •
Infrared laser photoelectric sensors with light/dark pulse	•	Minimum distance between profiles	• •
Easily removable cover panels for TV wiring	•	Synchronised movement of the middle profile	• •
Compatible with Sky Glass	•	Software for stroke length adjustment	• •
For optimal viewing angle 48" TV recommended	•	Compatible with Sky Glass	• •

FINISHES & MATERIALS

Metal HT (customisation of texts/symbols with laser marking)

CRO Chrome	CBM Black Metal	COP Copper COMING SOON	CHA Champagne
Plates Signum 20VENTI 71 Deep and Surface			
Rockers FF 71	Rockers FF 71	Rockers FF 71	Rockers FF 71

Metal (customisation of texts/symbols with laser marking)

GBQ Aluminium Brushed	GBR Nickel Brushed	GBS Titan Brushed	GBU Carbon Brushed	GBB Brass Brushed
Frames FF-71 Form FF-71 Flank				
Plates Signum 20VENTI 71	Plates Signum 20VENTI 71	Plates Signum 20VENTI 71	Plates Signum 20VENTI 71	Plates Signum 20VENTI 71
Rockers FF 71	Rockers FF 71	Rockers FF 71	Rockers FF 71	Rockers FF 71

Plastic (customisation of texts/symbols with UV printing)

GAA White	GAE Intense Black RAL 9005	GAG Silver
Frames FF-71 Form FF-71 Flank	Frames FF-71 Form FF-71 Flank	Frames FF-71 Form FF-71 Flank
Plates 20VENTI Deep 71'NF and Deep	Plates 20VENTI Deep 71'NF and Deep	Plates 20VENTI Deep 71'NF and Deep
Rockers 20VENTI FF	Rockers 20VENTI FF	Rockers 20VENTI FF

Fenix NTM® (customisation of texts/symbols with UV printing)

FBM White Malè	FBL Beige Luxor	FCO Castoro Ottawa	FGE Grey Efeso	FGL Grey London	FGB Grey Bromine	FVC Green Commodore	FCC Cocoa Orinoco
Plates Signum 20VENTI 71							
Rockers FF 71							

ON REQUEST

The colour palettes shown are the result of a corporate stylistic choice. The full range of colours offered by Fenix NTM® or custom metal finishes are available on request (non-standard workmanship to be agreed).

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Who We Are TECH - April 2024

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