

WHO
WE
ARE
TECH ekinex

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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.

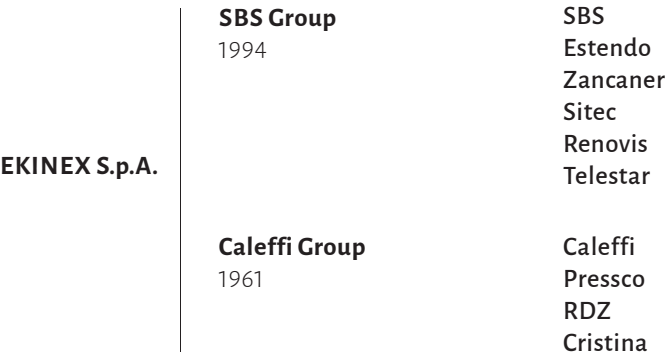
We were established in 2012, building on our experience in the industrial automation and electronics sector. By enriching this expertise, gained in over 30 years, with a passion for design, the Ekinex project was born.

MILESTONES

Il gruppo e la storia

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.



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.
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SOLUTIONS FOR CONTEMPORARY LIVING

Soluzioni per il vivere contemporaneo

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.

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.

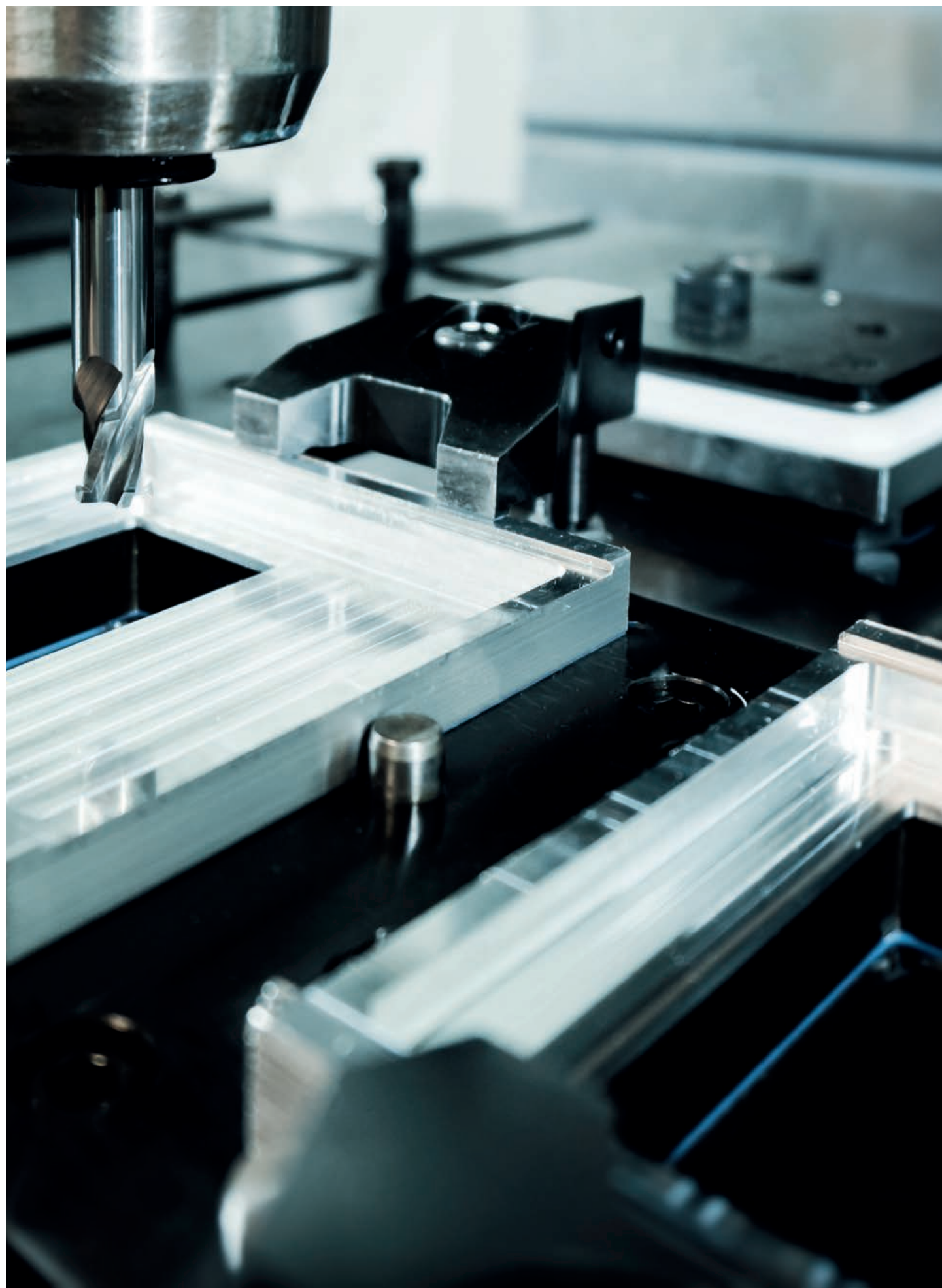
MADE IN ITALY

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



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.





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

SIMPLIFY YOUR LIFE

La tecnologia che semplifica la vita

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



A PERFECT BALANCE

*La tecnologia incontra
il design*

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.

Project: The Colossus Apartment
Location: Ukraine



Project: Casa Sedici Tre
Location: Italy

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.



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.

Settore alberghiero

HO.RE.CA.

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





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

Settore navale

MARINE

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.

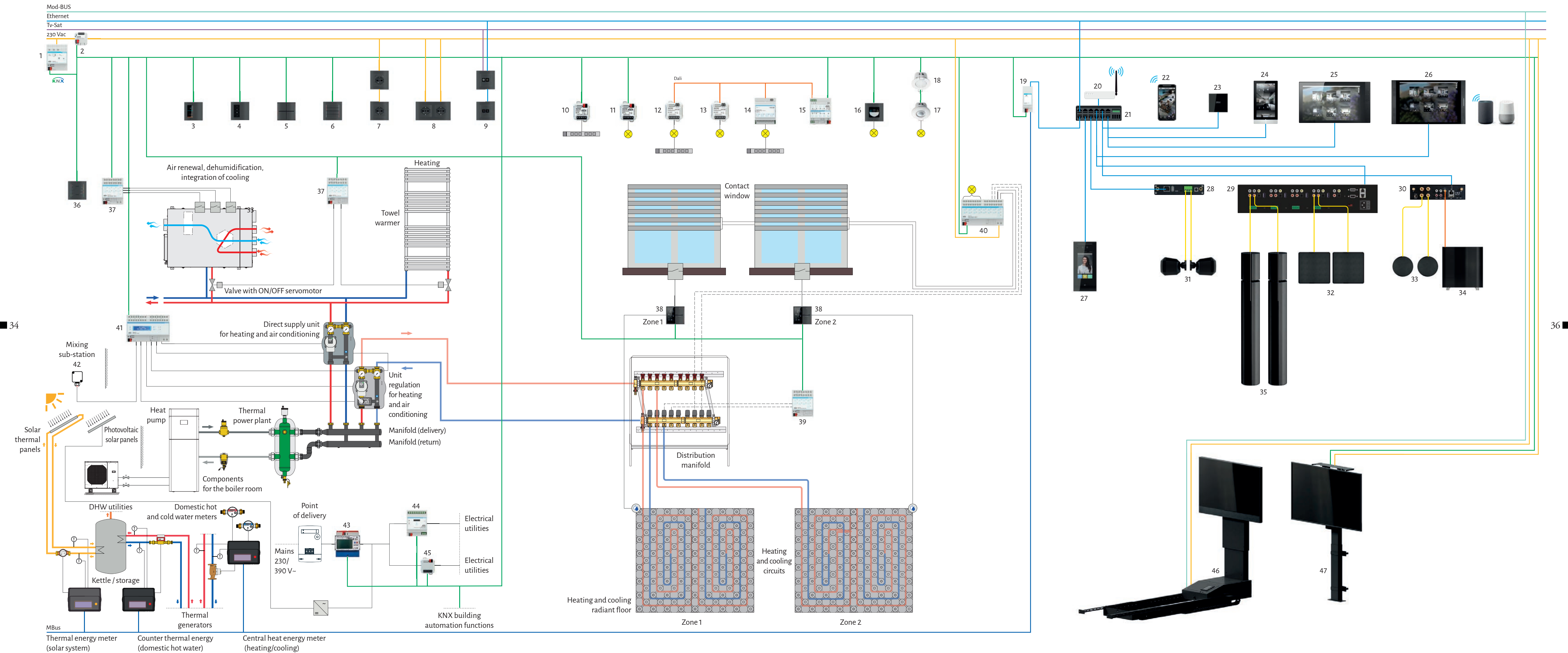




ONE BRAND SOLUTIONS

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	Zoventi 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 Vdc1 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-SDP-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 acoustic 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 electrother- mal 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

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	WALL-MOUNT DEVICES	AUDIO MULTI-ROOM SENTIO	IP DOOR PHONE DICO	DIN-RAIL MOUNT MODULES	LIFT TV REVÉLO
40	50	74	86	94	122

DELÉGO SUPERVISION

*Supervisione
Delégo*

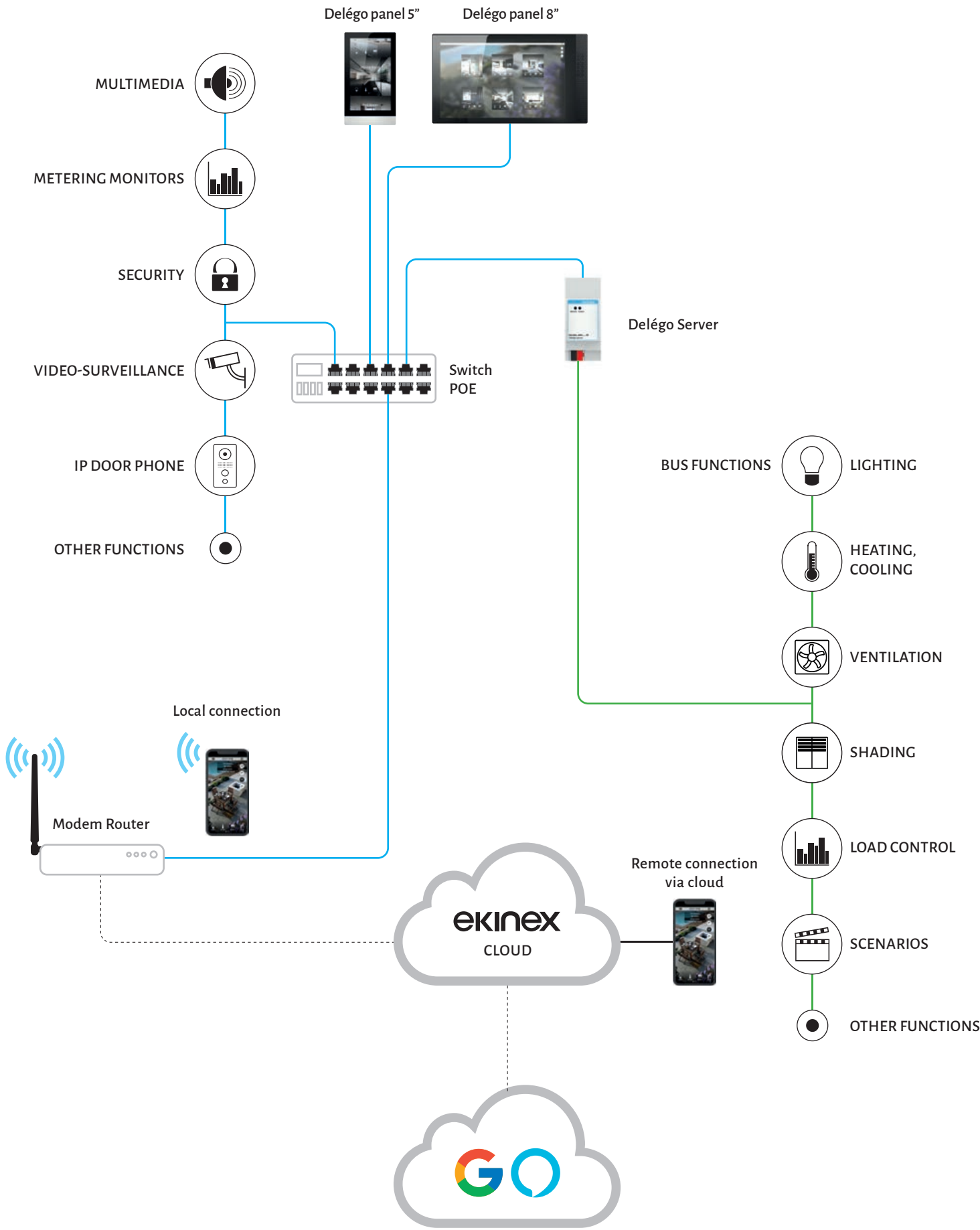


Grazie a Delégo resti connesso con la tua casa da qualsiasi luogo e in qualsiasi momento della giornata. Delégo controlla ogni ambiente assicurandoti sicurezza, benessere e comfort. Crea per te lo scenario più adatto ad ogni momento della giornata lasciandoti libero di goderti ogni attimo.

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

KNX
IP
Other connection



Delégo panel



Delégo Panel 5" Basic
EK-DEL-5PAN



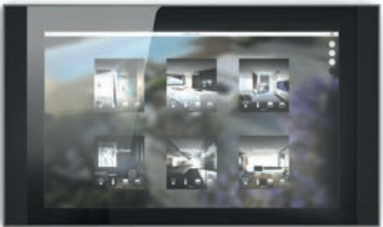
Delégo Panel 5" Premium
EK-DEL-5PAN-P



Delégo Panel 4" Smart
EK-DEL-4PAN-S



Delégo Panel 8" Smart
EK-DEL-8PAN-S



Delégo Panel 10" Smart
EK-DEL-10PAN-S



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); 65x45 mm diameter round box (e.g. Gewiss mod. GW24234PM)	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)	

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

Delégo server



Delégo Server
EK-DEL-SRV-BAS-200-TP





Delégo Mini
EK-DEL-MINI-TP



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	License upgrade	ADVANCED	1200	100	100	Unlimited	Unlimited	Unlimited
EK-DEL-UPGR-BP		PREMIUM	2500	100	100	Unlimited	Unlimited	Unlimited
EK-DEL-UPGR-200		UPG. 200 ADDRESSES	+200					
EK-DEL-V1-INTRDET	Voucher	Intrusion Integration		Upgrade codes and vouchers are activated in the Delégo Tech Portal.				
EK-DEL-V1-MBUS		M-Bus integration						
EK-DEL-V1-MODBUS		Modbus extension over 30 registers		You access the portal by typing <code>voucherekinex.com</code> 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-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.).



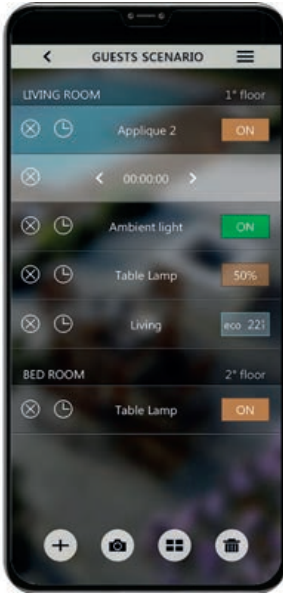
Lighting
Delégo, through its interface, allows the control of lights, their intensity, switching on and off; each light can be managed individually or be part of scenarios, making the system flexible to your needs.



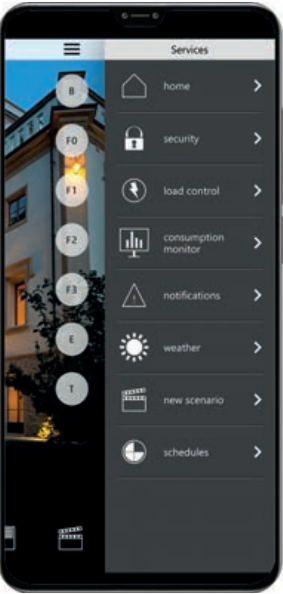
Climate
Delégo allows users to manage heating, cooling, relative humidity and air quality in their homes. You can control the various setting parameters and create integrated scenarios with other customisable functions to activate, adjust and switch off the system according to your preferences.



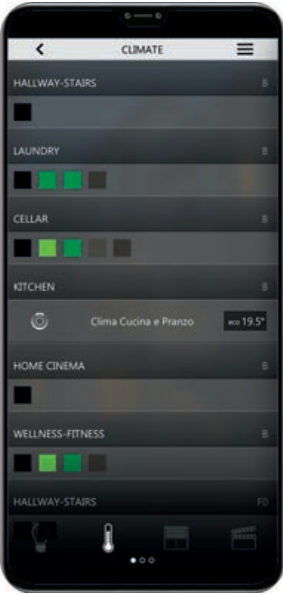
Motorisations
Delégo allows the remote control of domestic motorisations, including electric roller shutters, blinds, awnings and automatic window openers, providing information on their location and enabling easy and safe operation from anywhere.



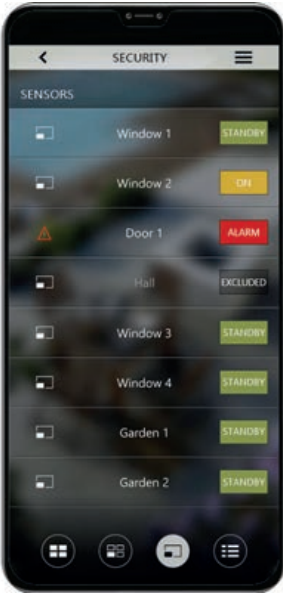
Scenarios
Delégo allows users to create one or more scenarios independently without requiring the intervention of a technician. Scenarios can be simple, called up with a single command for leaving and returning home, or more complex with wait commands that enable timed sequences.



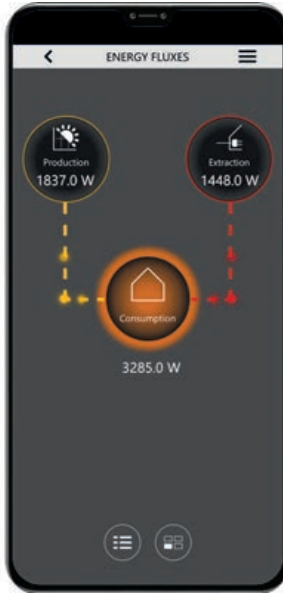
Side menu
The contextual menu, accessible from the app's title bar, provides access to building services and logic, such as intrusion detection, load control, consumption monitor (electricity absorbed and produced, thermal energy, water volumes for sanitary use), notifications and weather page.



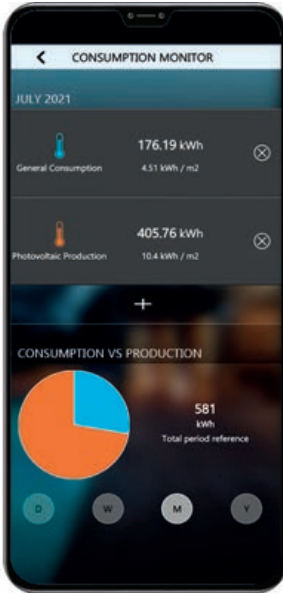
Summary pages
Users can navigate by environment or function to access detail pages, which show a tabular summary view of the status of all automations. In addition, devices such as tablets and PCs/ Macs offer graphical representation via maps and synoptics, highlighting the physical layout of controls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



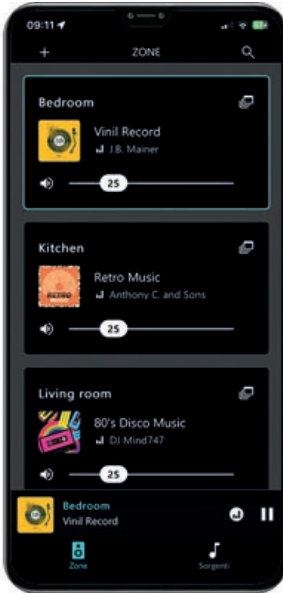
Load control
Delégo offers a powerful load control logic, which operates by keeping one or more absorption values under control, and intervening by disconnecting the pre-set utilities when an alarm threshold is exceeded, according to a precise priority set by the installer and modifiable by the end user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



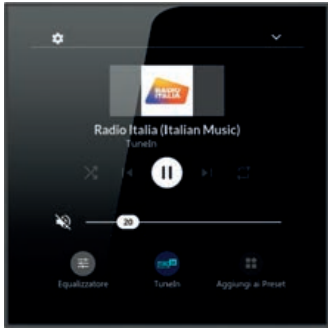
Main page



Lighting



Communication



Multimedia

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



Main page



Map display

App page view example - Delégo panel 5"



Main page



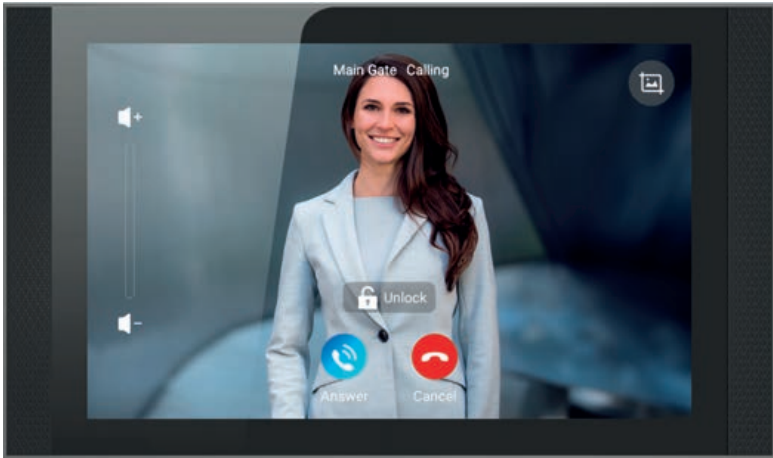
Areas



Lighting



Summary pages



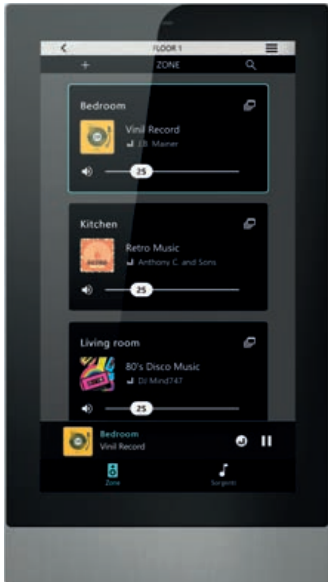
Communication



Climate



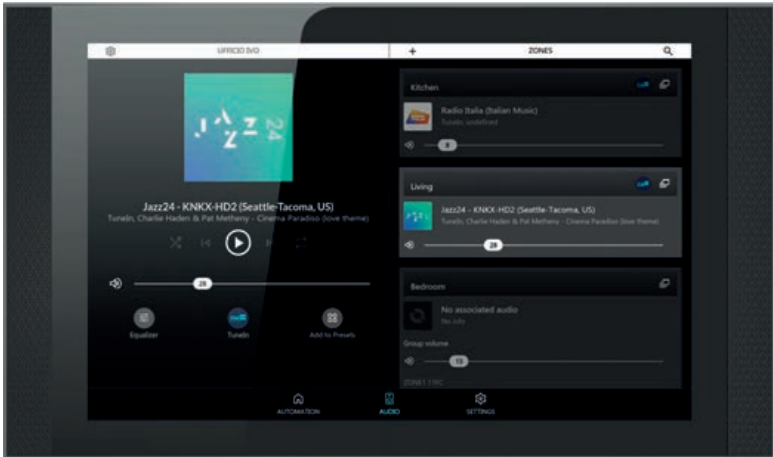
Communication



Multimedia



Climate



Multimedia

WALL-MOUNT DEVICES

*Comandi
a parete*



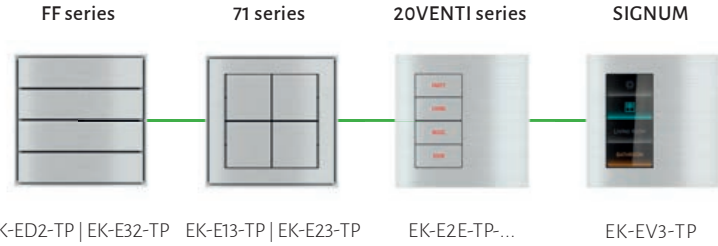
Celiamo la complessità della tecnologia dietro il design essenziale dei nostri dispositivi. Collezioni diverse che interpretano stili differenti e si impreziosiscono attraverso un'ampia gamma di materiali e finiture.

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.

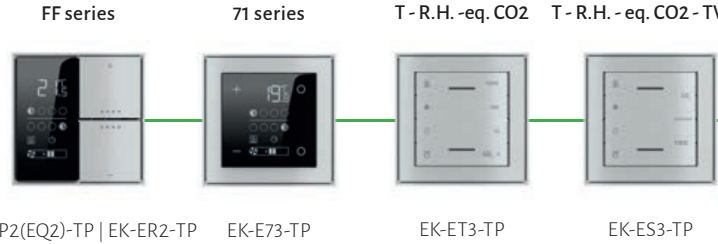
— KNX
— DALI
— Terminal devices

Connection scheme Wall-mounted devices

PUSHBUTTONS WITH TEMPERATURE SENSOR AND THERMOSTAT FUNCTION



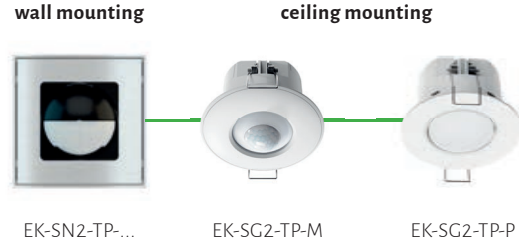
ROOM THERMOSTATS AND MULTISENSORS WITH THERMOSTAT FUNCTION



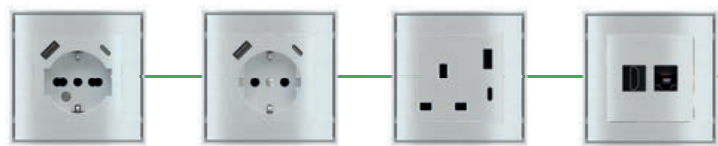
DEVICES WITH TOUCH DISPLAY AND THERMOSTAT FUNCTION



PRESENCE AND MOVEMENT SENSORS

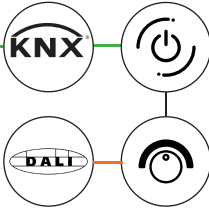


ELECTRICAL SOCKETS USB A/C (IT, SCHUKO, FR, UK) AND KEYSTONE MODULES

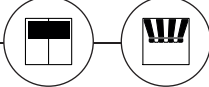


BUS FUNCTIONS

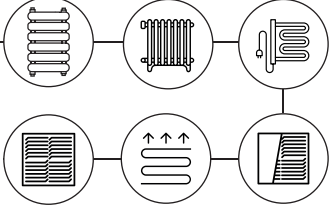
LIGHTING



SHADING



HEATING, COOLING



VENTILATION



MEASUREMENT AND LOAD CONTROL



MULTIMEDIA



SCENARIOS



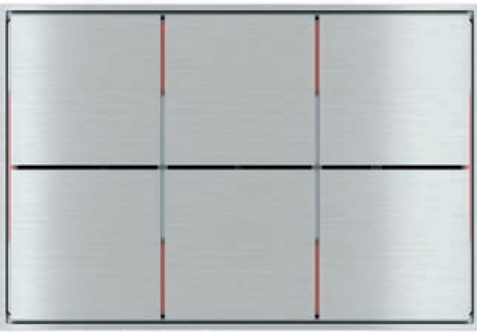
Pushbuttons FF series



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	EK-ED2-TP-...	EK-E32-TP	EK-EH2-TP
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	EK-FOQ-...				EK-FOR-...			
	Plastic	Metal	Metal HT	Fenix NTM®	Plastic	Metal	Metal HT	Fenix NTM®
FINISHES	•	•	-	-	•	•	-	-
Flank								
	EK-FLQ-...				EK-FLR-...			
FINISHES	Plastic	Metal	Metal HT	Fenix NTM®	Plastic	Metal	Metal HT	Fenix NTM®
	•	•	-	-	-	•	-	-

Available in 'NF' version (no frame)

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

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Pushbuttons 71 series

4-channel pushbutton
71 Series
EK-E13-TP-..

4-channel pushbutton Basic
71 Series
EK-E23-TP

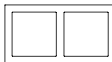
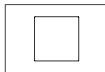
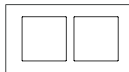
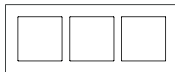
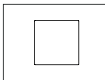
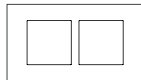
Pushbuttons 71 series main features

Code	EK-E13-TP-..	EK-E23-TP
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	•	•

Pushbuttons 71 series frame and rockers configuration

FRAMES	Square				Rectangular				Double			
Form												
	EK-FOQ-...				EK-FOR-...				EK-FO2-...			
FINISHES	Plastic	Metal	Metal HT	Fenix NTM®	Plastic	Metal	Metal HT	Fenix NTM®	Plastic	Metal	Metal HT	Fenix NTM®
	•	•	-	-	•	•	-	-	•	•	-	-
Flank												
	EK-FLQ-...				EK-FLR-...				EK-FL2-...			
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																		
	EK-PQS-...				EK-PRS-...				EK-P2S-...									
FINISHES	Plastic	Metal	Metal HT	Fenix NTM®	Plastic	Metal	Metal HT	Fenix NTM®	Plastic	Metal	Metal HT	Fenix NTM®						
	•	•	-	•	•	•	-	•	•	•	-	•						
Deep																		
	EK-DQS-...				EK-DRS-...				EK-D2S-...								EK-D3X-666-...	
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																		
	EK-SQS-...				EK-SRS-...				EK-S2S-...									
FINISHES	Plastic	Metal	Metal HT	Fenix NTM®	Plastic	Metal	Metal HT	Fenix NTM®	Plastic	Metal	Metal HT	Fenix NTM®						
	-	•	•	•	-	•	•	•	-	•	•	•						

ROCKERS	Square				Rectangular vertical (2)				Square (4)				Rectangular horizontal (4)			
FINISHES	EK-T1Q-...				EK-T2R-...				EK-T4Q-...				EK-T4R-...			
	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



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





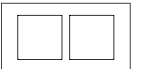
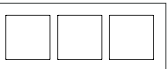
Pushbutton 10 rockers
20VENTI Series
EK-E2E-TP-10



Pushbuttons 20VENTI series main features

						
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			
WINDOW	30x60 mm				60x60 mm				60x60 mm				60x60 mm (2)				60x60 mm (3)			
Deep																				
	EK-DQT-...				EK-DQS-...				EK-DRS-...				EK-D2S-...				EK-D3X-666-...			
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																				
	EK-SQT-...				EK-SQS-...				EK-SRS-...				EK-S2S-...							
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®				
	-	•	•	•	-	•	•	•	-	•	•	•	-	•	•	•				

ROCKERS	Rectangular backlit texts/symbols (3, 4, 6, 8)				Rectangular dimmer (1, 2)				Rectangular transparent (8)			
												
	EK-T4R-20-...				EK-T2B-20-...				EK-T8R-20			
FINISHES	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





Pushbutton with display
SIGNUM
EK-EV3-TP





Push-button with display SIGNUM
with thermostat voucher
EK-EV3-TP-TER





Push-button with display SIGNUM
with humidity sensor
EK-EV3-TP-H

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			
WINDOW	30x60 mm			
Deep				
	EK-DQZ-...			
FINISHES	Plastic	Metal	Metal HT	Fenix NTM®
	-	•	•	•
Surface				
	EK-SQZ-...			
FINISHES	Plastic	Metal	Metal HT	Fenix NTM®
	-	•	•	•

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.

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

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



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

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

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

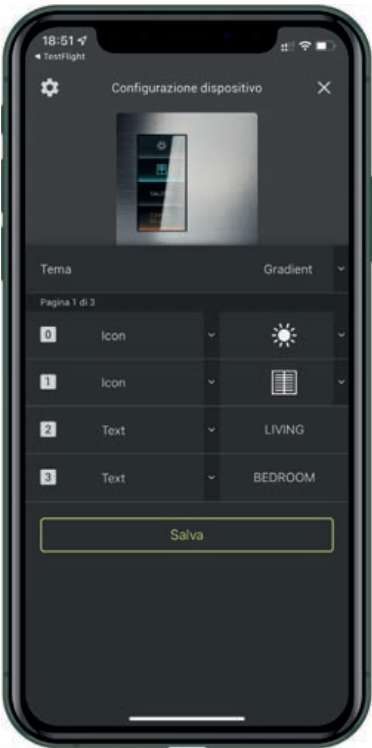


Audio page
The audio page allows you to select an audio source, change the track currently playing and to raise or lower the volume.

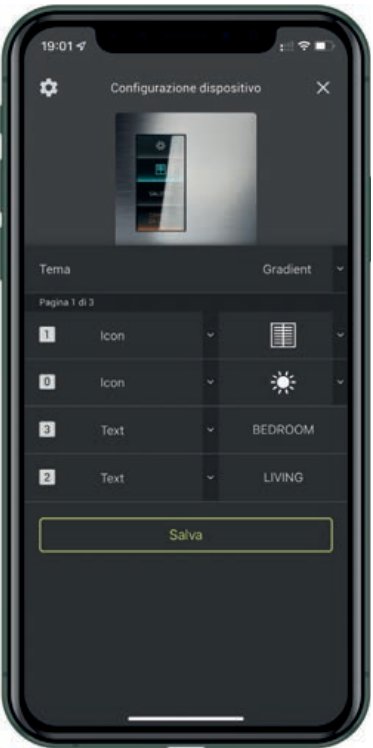
Audio settings page
The audio settings page also allows control the volume level and equalisation of treble and bass. treble and bass equalisation.

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

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.



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



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



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

Room temperature controller FF series frames and rockers configuration

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

Available in 'NF' version (no frame)

ROCKERS	Square (2)			
				
FINISHES	EK-TQQ-...-EP2			
	Plastic	Metal	Metal HT	Fenix NTM®
FINISHES	•	•	•	•

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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 71 - 20VENTI series main features



Code	EK-E73-TP
LCD display with adjustable backlighting	•
4 capacitive rockers for thermostat function control	•
Integrated temperature sensor	•
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	•

Multisensors main features

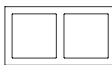
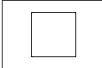
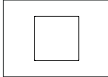
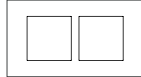


Code	EK-ET3-TP	EK-ES3-TP
Integrated temperature and relative humidity sensors and room thermostat function	•	•
VOC (Volatile Organic Compounds) sensor with output signal for CO2 equivalent	•	-
VOC (Volatile Organic Compounds) sensor with output signal for CO2 equivalent and TVOC	-	•
Threshold controller 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	•	•

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

FRAMES	Square				Rectangular				Double			
Form												
	EK-FOQ-...				EK-FOR-...				EK-FO2-...			
FINISHES	Plastic	Metal	Metal HT	Fenix NTM®	Plastic	Metal	Metal HT	Fenix NTM®	Plastic	Metal	Metal HT	Fenix NTM®
	•	•	-	-	•	•	-	-	•	•	-	-
Flank												
	EK-FLQ-...				EK-FLR-...				EK-FL2-...			
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																
	EK-PQS-...				EK-PRS-...				EK-P2S-...							
FINISHES	Plastic	Metal	Metal HT	Fenix NTM®	Plastic	Metal	Metal HT	Fenix NTM®	Plastic	Metal	Metal HT	Fenix NTM®	•	•	-	•
	•	•	-	•	•	•	-	•	•	•	-	•				
Deep																
	EK-DQS-...				EK-DRS-...				EK-D2S-...				EK-D3X-666-...			
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																
	EK-SQS-...				EK-SRS-...				EK-S2S-...							
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	Fenix NTM®
	•	•	•	•

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Touch & See main features

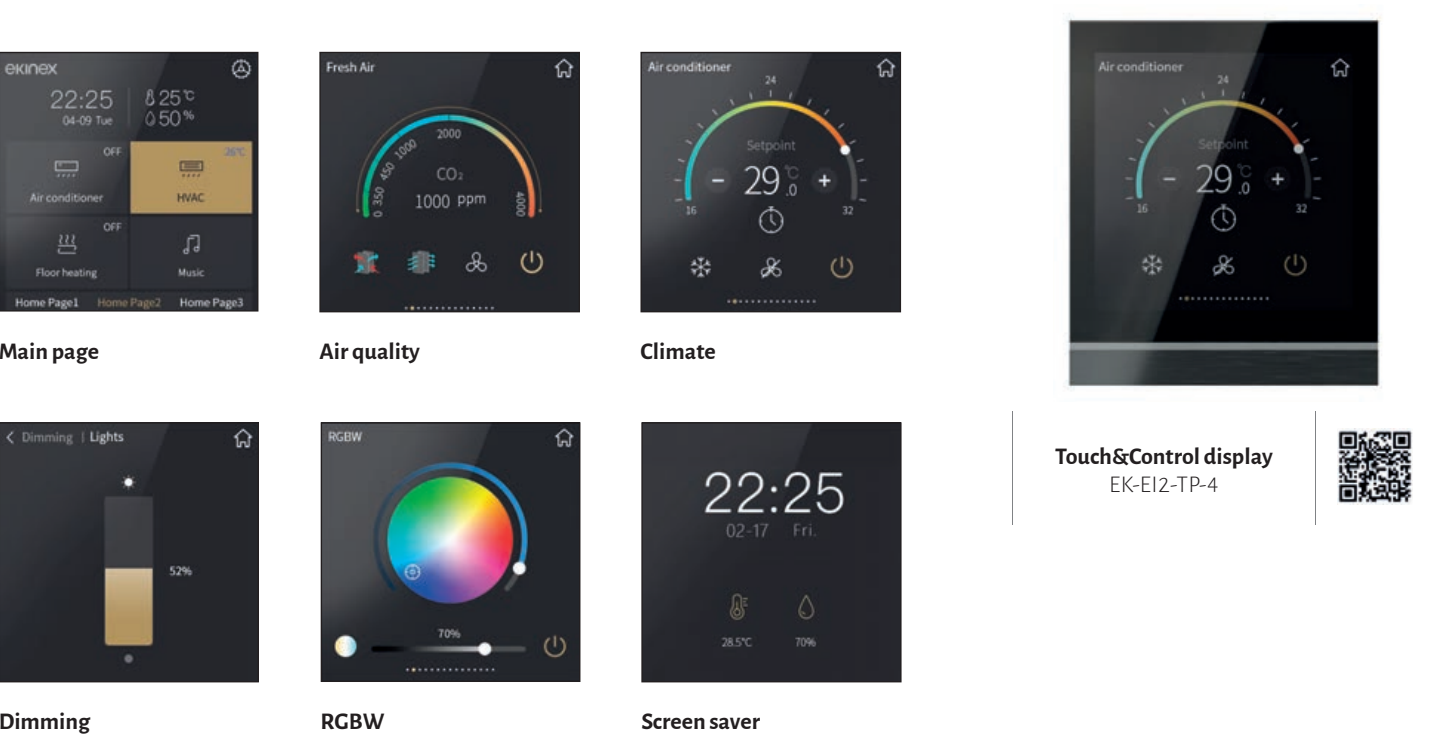
Code	EK-EC2-TP	EK-EF2-TP-..
3.5" backlit TFT touch display (320 x 240 pixels), 65,536 colours	•	•
Seven main graphic pages	•	•
Room thermostat function for 8 independent zones	•	•
Integrated temperature sensor	-	•
2-channel button (up to 4 independent functions can be programmed)	-	•
4 freely programmable 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®	Plastic	Metal	Metal HT	Fenix NTM®
	•	•	-	-	•	•	-	-
Flank								
	EK-FLQ-...				EK-FLR-...			
FINISHES	Plastic	Metal	Metal HT	Fenix NTM®	Plastic	Metal	Metal HT	Fenix NTM®
	•	•	-	-	-	•	-	-

ROCKERS	Square (2)			
				
	EK-TQQ-...-EF2			
FINISHES	Plastic	Metal	Metal HT	Fenix NTM®
	•	•	•	•

EC2 Available in 'NF' version (no frame)
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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, RGBCW brightness control and colour temperature setting	•
Air quality display, with PM2.5, AQI, CO2, VOC etc.	•
Display of energy measurement parameters: current, voltage, power, energy.	•
8 time functions, 8 scene group functions	•
8 logic functions, with AND, OR, XOR, logic port forwarding, threshold comparator, format conversion	•
Delay and staircase light function	•
Integrated proximity sensor, screen brightness setting, indication with coloured LED strip	•
Haptic feedback with vibration	•
Date and time display, temperature and humidity display, day/night status output	•
Password protection, screen saver and panel lock	•
Alarm function	•
Integrated temperature sensor	•
Weekly timer	•

Presence and movement sensors



Wall-mounted movement sensor
(white front cover)
EK-SN2-TP-GAA





Wall-mounted movement sensor
(black front cover)
EK-SN2-TP-GAE





KNX Secure multi-function
movement sensor
EK-SG2-TP-M





KNX Secure multi-function
presence sensor
EK-SG2-TP-P



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				
	EK-FQQ-...			
FINISHES	Plastic	Metal	Metal HT	Fenix NTM®
	•	•	-	-
Flank				
	EK-FLQ-...			
FINISHES	Plastic	Metal	Metal HT	Fenix NTM®
	•	•	-	-
Available in 'NF' version (no frame)				
Plates	Square			
WINDOW	50x50 mm			
'NF				
	EK-PQN-...			
FINISHES	Plastic	Metal	Metal HT	Fenix NTM®
	•	•	-	•
Deep				
	EK-DQN-...			
FINISHES	Plastic	Metal	Metal HT	Fenix NTM®
	•	•	-	•
Surface				
	EK-SQN-...			
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

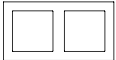
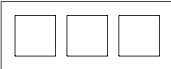
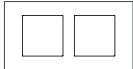
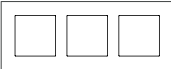
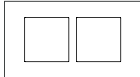
Power sockets and USB A/C main features

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 mm² 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			
Form								
	EK-FOQ-...				EK-FO2-...			
FINISHES	Plastic	Metal	Metal HT	Fenix NTM®	Plastic	Metal	Metal HT	Fenix NTM®
	•	•	-	-	•	•	-	-
Flank								
	EK-FLQ-...				EK-FL2-...			
FINISHES	Plastic	Metal	Metal HT	Fenix NTM®	Plastic	Metal	Metal HT	Fenix NTM®
	•	•	-	-	•	•	-	-

Available in 'NF' version (no frame)

Plates	Square				Double				Triple			
WINDOW	55x55 mm				55x55 mm (2)				55x55 mm (3)			
'NF												
	EK-PQG-...				EK-P2P-...							
FINISHES	Plastic	Metal	Metal HT	Fenix NTM®	Plastic	Metal	Metal HT	Fenix NTM®				
	•	•	-	•	•	•	-	•				
Deep												
	EK-DQG-...				EK-D2P-...							
FINISHES	Plastic	Metal	Metal HT	Fenix NTM®	Plastic	Metal	Metal HT	Fenix NTM®	Plastic	Metal	Metal HT	Fenix NTM®
	•	•	•	•	•	•	•	•	-	•	•	•
Surface												
	EK-SQG-...				EK-S2P-...							
FINISHES	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®
	•	*	•	*	•	*	•	*	•	*	•	*	•	*	•	*

Finishes & Materials p. 126
* Metal or Fenix NTM® colour effect is available by painting

Keystone System



Keystone module
HDMI

EK-KSM-HDMI-...





Double keystone module
HDMI

EK-KSM-HDMI-...





Keystone module
Ethernet RJ45

EK-KSM-RJ45-...





Double keystone module
Ethernet RJ45

EK-KSM-RJ45-...





Keystone module
SAT

EK-KSM-TVF-...





Double keystone module
SAT

EK-KSM-TVF-...





Keystone module
Aerial

EK-KSM-TVM-...





Double keystone module
Aerial

EK-KSM-TVM-...



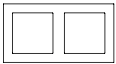
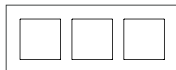
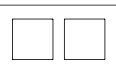
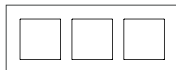
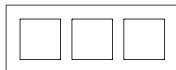
Keystone System main features

								
Code	EK-KSM-HDMI-..		EK-KSM-RJ45-..		EK-KSM-TVF-..		EK-KSM-TVM-..	
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			
Form								
	EK-FOQ-...				EK-FO2-...			
FINISHES	Plastic	Metal	Metal HT	Fenix NTM®	Plastic	Metal	Metal HT	Fenix NTM®
	•	•	-	-	•	•	-	-
Flank								
	EK-FLQ-...				EK-FL2-...			
FINISHES	Plastic	Metal	Metal HT	Fenix NTM®	Plastic	Metal	Metal HT	Fenix NTM®
	•	•	-	-	•	•	-	-

Available in 'NF' version (no frame)

Plates	Square				Double				Triple			
WINDOW	55x55 mm				55x55 mm (2)				55x55 mm (3)			
'NF												
	EK-PQG-...				EK-P2P-...							
FINISHES	Plastic	Metal	Metal HT	Fenix NTM®	Plastic	Metal	Metal HT	Fenix NTM®				
	•	•	-	•	•	•	-	•				
Deep												
	EK-DQG-...				EK-D2P-...							
FINISHES	Plastic	Metal	Metal HT	Fenix NTM®	Plastic	Metal	Metal HT	Fenix NTM®	Plastic	Metal	Metal HT	Fenix NTM®
	•	•	•	•	•	•	•	•	-	•	•	•
Surface												
	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®
	•	*	•	*	•	*	•	*

Finishes & Materials p. 126
* Metal or Fenix NTM® colour effect is available by painting

Hotel solutions



Card reader
EK-TR2-TP





Card holder
EK-TH2-TP





Card programmer
EK-TP2-TP



Hotel solutions main features

				
Code	EK-TR2-TP	EK-TH2-TP	EK-TP2-TP	EK-TPBOX-TP
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 E KTP2-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	-	-	-	•

Hotel solutions



Smart-card programmer kit for desktop
EK-TPBOX-TP





Accédo Software
EK-ACC-L...





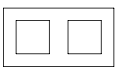
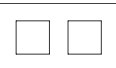
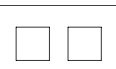
Smart-card
EK-TC.-10



Hotel solutions frames, plates configuration

FRAMES	Square				Double			
Form								
	EK-FOQ-...				EK-FO2-...			
FINISHES	Plastic	Metal	Metal HT	Fenix NTM®	Plastic	Metal	Metal HT	Fenix NTM®
	•	•	-	-	•	•	-	-
Flank								
	EK-FLQ-...				EK-FL2-...			
FINISHES	Plastic	Metal	Metal HT	Fenix NTM®	Plastic	Metal	Metal HT	Fenix NTM®
	•	•	-	-	•	•	-	-

Available in 'NF' version (no frame)

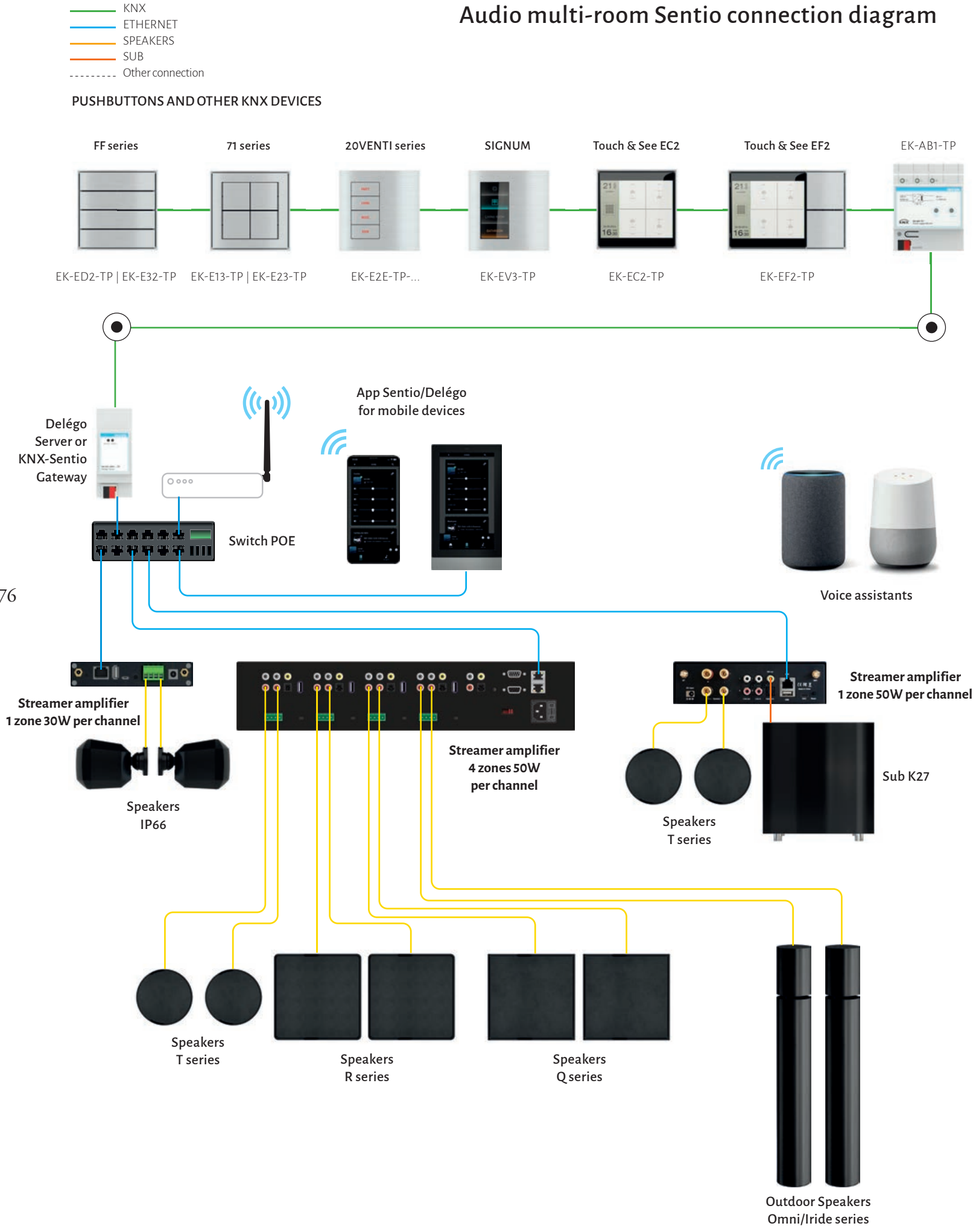
Plates	Square				Double				Triple			
WINDOW	45x45 mm				45x45 mm (2)				45x45 mm (3)			
'NF												
	EK-PQP-...				EK-P2E-...							
FINISHES	Plastic	Metal	Metal HT	Fenix NTM®	Plastic	Metal	Metal HT	Fenix NTM®				
	•	•	-	•	•	•	-	•				
Deep												
	EK-DQP-...				EK-D2E-...				EK-D3X-444-...			
FINISHES	Plastic	Metal	Metal HT	Fenix NTM®	Plastic	Metal	Metal HT	Fenix NTM®	Plastic	Metal	Metal HT	Fenix NTM®
	•	•	•	•	•	•	•	•	-	•	•	•
Surface												
	EK-SQP-...				EK-S2E-...							
FINISHES	Plastic	Metal	Metal HT	Fenix NTM®	Plastic	Metal	Metal HT	Fenix NTM®				
	-	•	•	•	-	•	•	•				

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.



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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



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Streamer amplifier main features

Code	EK-30S-AU	EK-50S-AU	EK-80S-AU	EK-50Q-AU
Digital amplifier 50Wx2CH at 4 ohms, 50Wx2CH at 8 ohms	-	•	•	-
Digital amplifier in which each zone can supply 50Wx2 at 8 ohms (stereo mode) or 100W at 4 ohms (bridge mode)	-	-	-	•
Unlimited music streaming distance or Bluetooth 50 up to 15 metres	•	•	•	•
Bluetooth for high-resolution sound	•	•	•	•
Supports Spotify connect, Tidal connect, Airplay2, DLNA and UPnP streaming protocols	•	•	•	•
Supports streaming of audio sources from online services, mobile phones and pads, USB drives, NAS, Bluetooth, line-in and optical input	•	•	•	•
Multi-room and multi-zone streaming from multiple units connected to the same network	•	•	•	•
Play music from all sources simultaneously	•	•	•	•
High-quality streaming, sample rate decoding up to 24-bit, 192 kHz	•	•	•	•
Spotify, Tidal, Amazon Music, Tuneln, Internet Radio, many online streaming services integrated in the app	•	•	•	•
Free app available for iOS and Android	•	•	•	•
Free online update for new features	•	•	•	•
Full remote control for use without a mobile device	•	•	•	•
Line input and optical input for more external audio inputs	•	•	•	•
Equalisation adjustment via app or remote control	•	•	•	•
Quick access to preset playlists and hotkeys on the remote control	•	•	•	•
iTunes supported for PC streaming	•	•	•	•
Each zone can deliver 50Wx2 at 8 ohms (stereo mode) or 100W at 4 ohms (bridge mode)	-	-	-	•
Multi-room audio function: play different songs in different rooms or the same song in each room	-	-	-	•
Each zone has a separate digital input/output and analogue input/output. There is also a master source input that can be used by all zones simultaneously	-	-	-	•

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	-	-	•
Woofers	2.5" (64MM)	•	•	-
Woofers 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-...



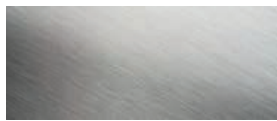
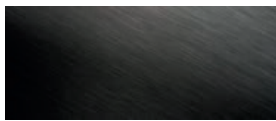
Speakers Q series main features



Prefix	Series	Installation	Variant				Frame colour					Fabric colour			Description	Dimension
			HT	ST	R	100V	LN	LB	LA	ASA	ASN	BI	NE	SA		LxHxP (mm)
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
		K	Surface	-	-	-	-	•	•	-	•	•	•	•	Surface mount speaker, 50W, 50-21KHz	150x150x74
	Q20	W	Wall	-	-	-	-	•	•	-	•	•	•	•	Wall mount speaker, 65W, 50-21KHz	200x200x61
		K	Surface	-	-	-	-	•	•	-	•	•	•	•	Surface mount speaker, 65W, 50-21KHz	200x200x61

(HT) High performance version - (ST) Stereo version - (R) Lowered version - (100V) 100V transformer version

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
				LN	LB	ASA	ASN	BI	NE		LxHxP (mm)
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				
	White Lacquer (LB)		Black lacquered (LN)	
FABRIC				
	White (BI)		Black (NE)	

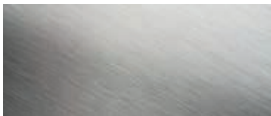
Speakers T series main features



Prefix	Series	Installation		Variant	Frame colour			Fabric colour			Description	Dimension
				100V	LB	LA	ASA	BI	NE	SA		ØxP (mm)
EK	T13	W	Wall	•	•	•	•	•	•	-	Wall/Ceiling mount speaker, 50W, 80-20KHz	130x132
	T13S	W	Wall	-	•	•	•	•	•	-	Wall/Ceiling mount speaker, 50W, 80-20KHz	130x89
	T18	CG	Plasterboard	•	-	-	-	•	•	•	Plasterboard built-in speaker, 50W, 60-21KHz	180x70

(100V) 100V transformer version

Speakers T series frame and fabric configuration

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

Speakers Omni / iride main features



Prefix	Series	Installation		Variant	Frame colour		Description	Dimension
				100V	LB	LA		ØxH (mm)
EK	OMNI	K	Masonry	•	•	•	Surface mount speaker, 75W, 55-20KHz	130x1000
	IRIDE	K	Masonry	•	•	•	Surface mount speaker + LED lighting, 75W, 55-20KHz	130x1000

(100V) 100V transformer version

Speakers Omni / Iride frame and fabric configuration

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

SUB main features



Prefix	Series	Installation		Frame colour		Fabric colour		Description	Dimension
				LN	LB	BI	NE		LxHxP (mm)
EK	K27SUB	K	Surface	•	•	-	-	Amplified floor-standing subwoofer 150W, 38-100Hz	270x270x290
	K35SUB	K	Surface	•	•	-	-	Amplified floor-standing subwoofer 150W, 28-100Hz	350x350x370
	Q5.5SUB	M	Masonry	-	-	•	•	Built-in subwoofer (brick), passive, 100W, 40-150Hz	303x303x125
	Q6.6SUB	M	Masonry	-	-	•	•	Built-in subwoofer (brick), passive, 130W, 35-120Hz	303x303x125

Speakers Q series frame and fabric configuration

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

Speakers Modulor 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

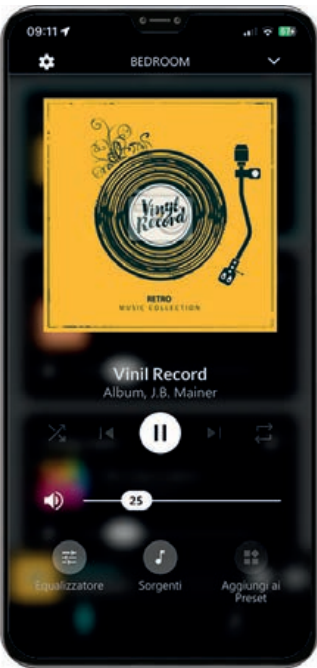
Modulor frame and fabric configuration

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

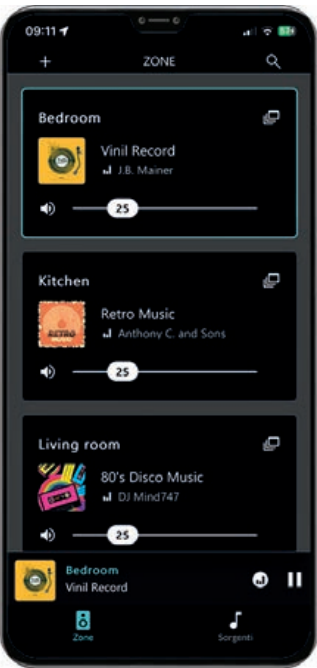
App Sentio configuration



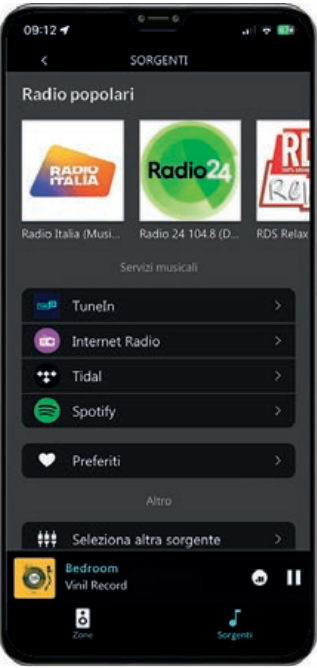
Adding devices
The Sentio app allows new audio zones to be added to the system very easily, through a wizard accessible directly from the main screen.



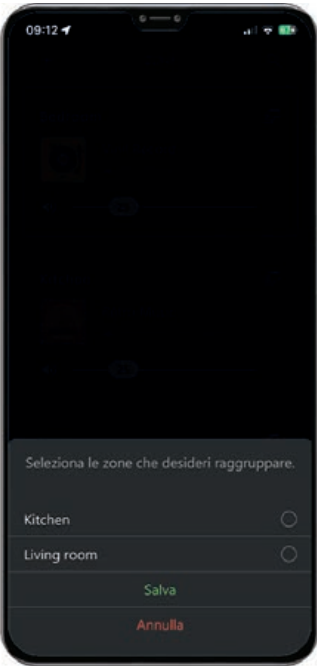
Zone player
By pressing on the name of a zone, in addition to the basic controls already available on the main screen, it is possible to have full control over playback, switching to the next track, or adjusting the scrolling mode between the contents of the current playlist (random play or repeat).



Zone management
The app's main screen allows you to control all the zones of the sound system at a glance. By selecting a zone, you can know what content is playing, adjust the volume, and easily control playback.



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.

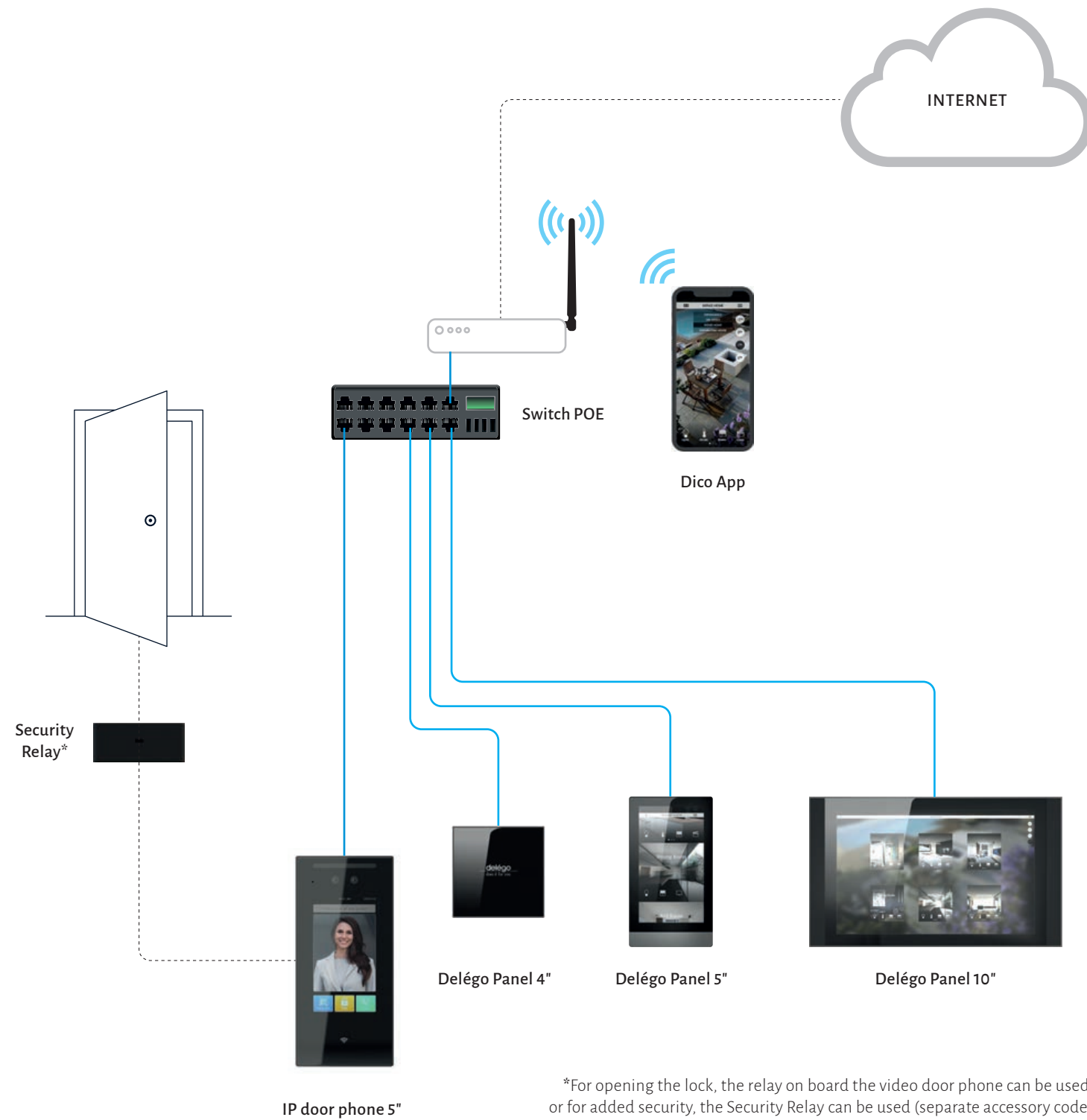
DICO | *IP door phone*

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.

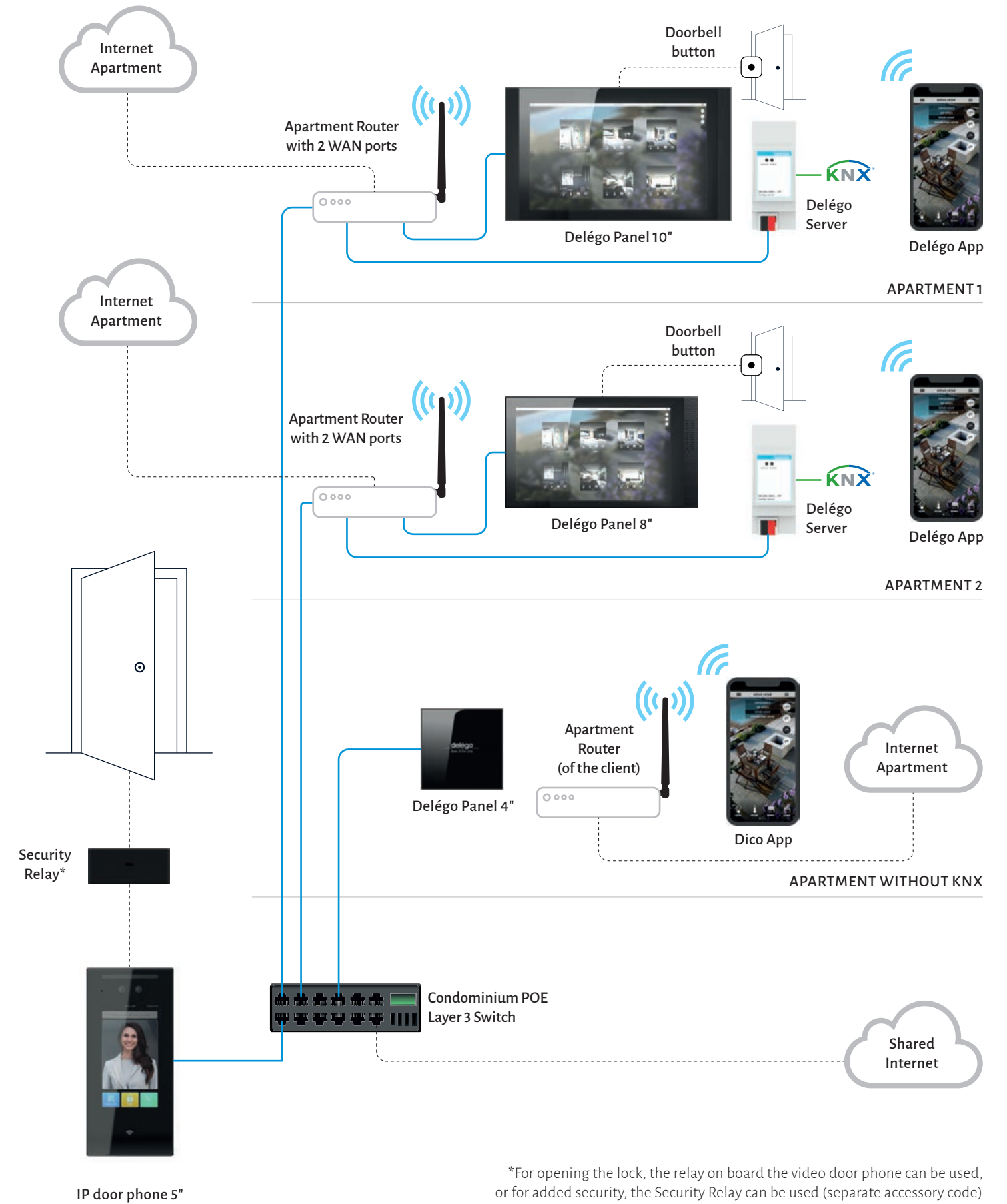
— KNX
— LAN
- - - - - Other connection

Dico IP door phone connection diagram



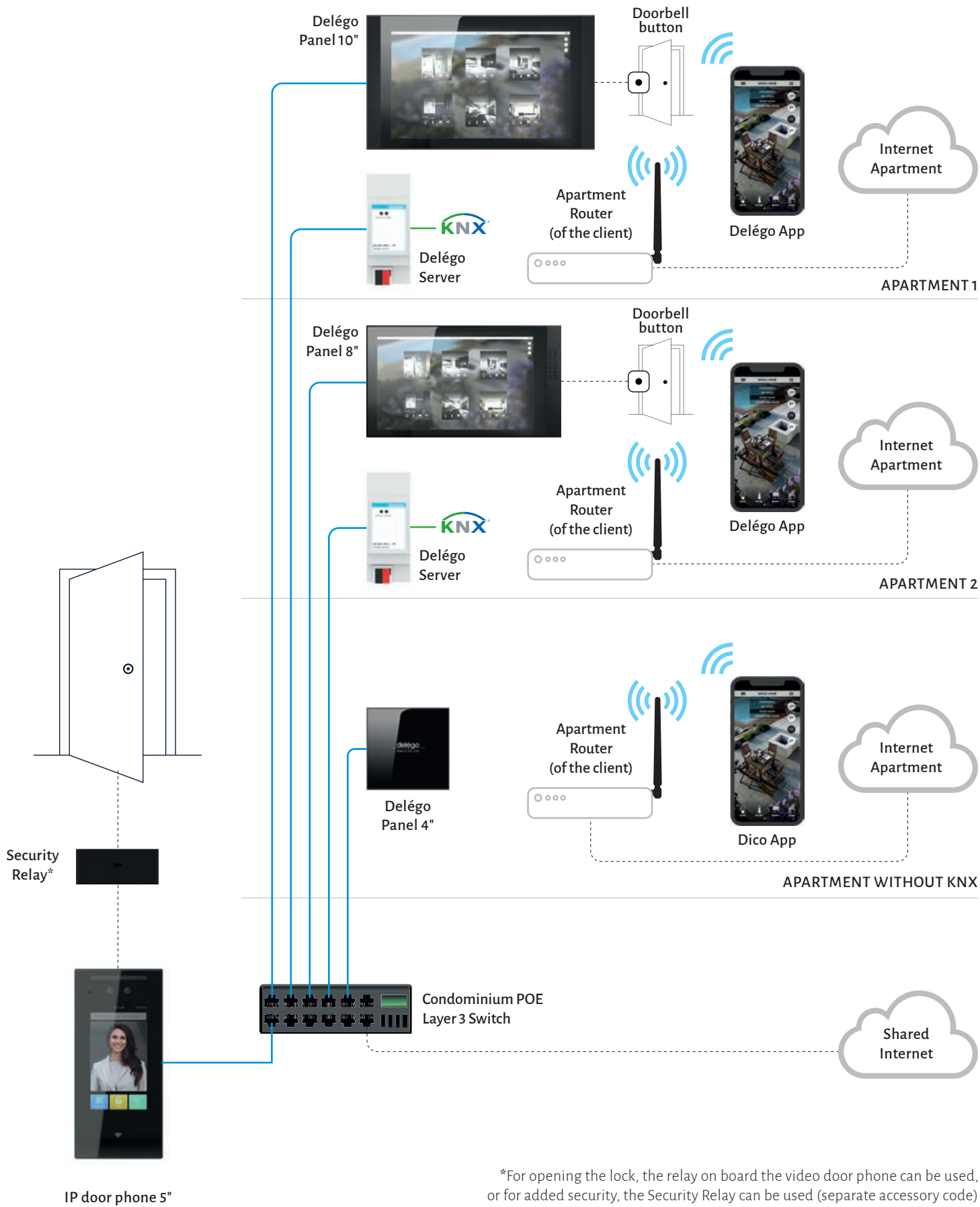
— KNX
— LAN
- - - - - Other connection

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



— KNX
— LAN
- - - - - Other connection

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



Dico IP door phone



IP door phone
EK-5DP-VI

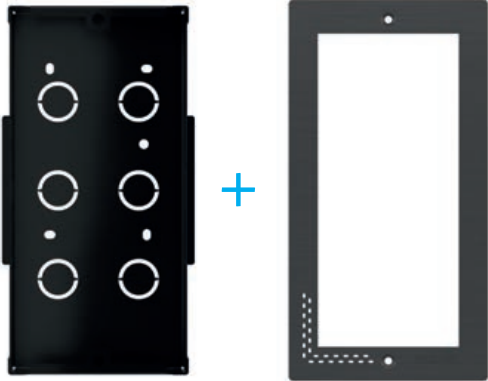


Dico IP door phone main features



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-SIW-VI available from Ekinex. Rain cover EK-SRC-VI available on request	

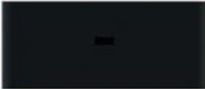
Dico IP door phone accessories



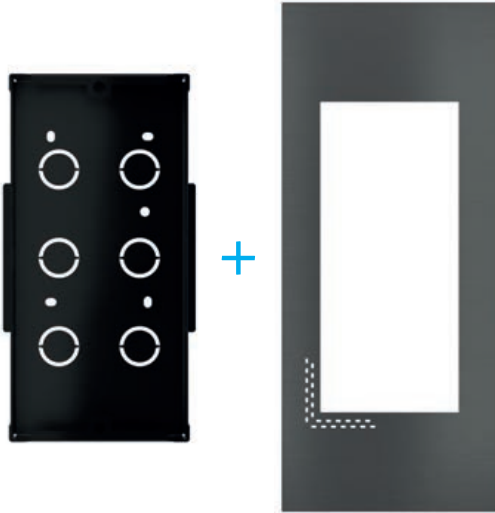






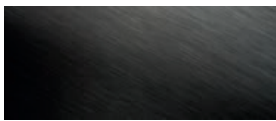






COMING
SOON

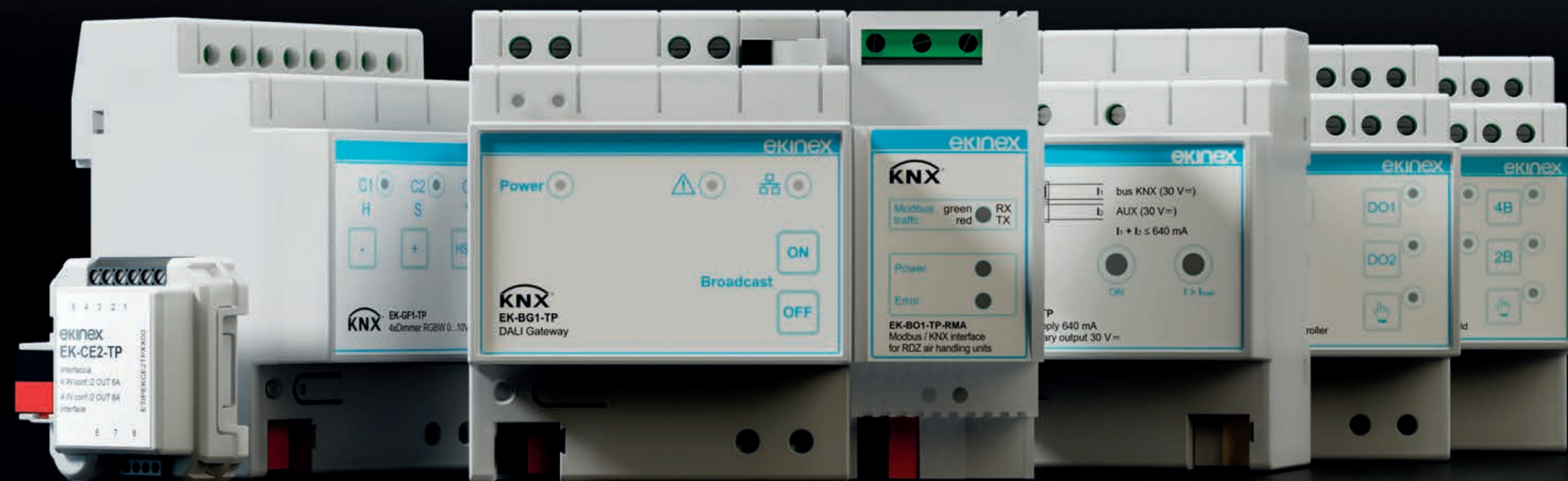
Dico IP door phone frame configuration

AVAILABLE COLOURS				
FRAME (120 x 230 x 3 mm) EK-SIW-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

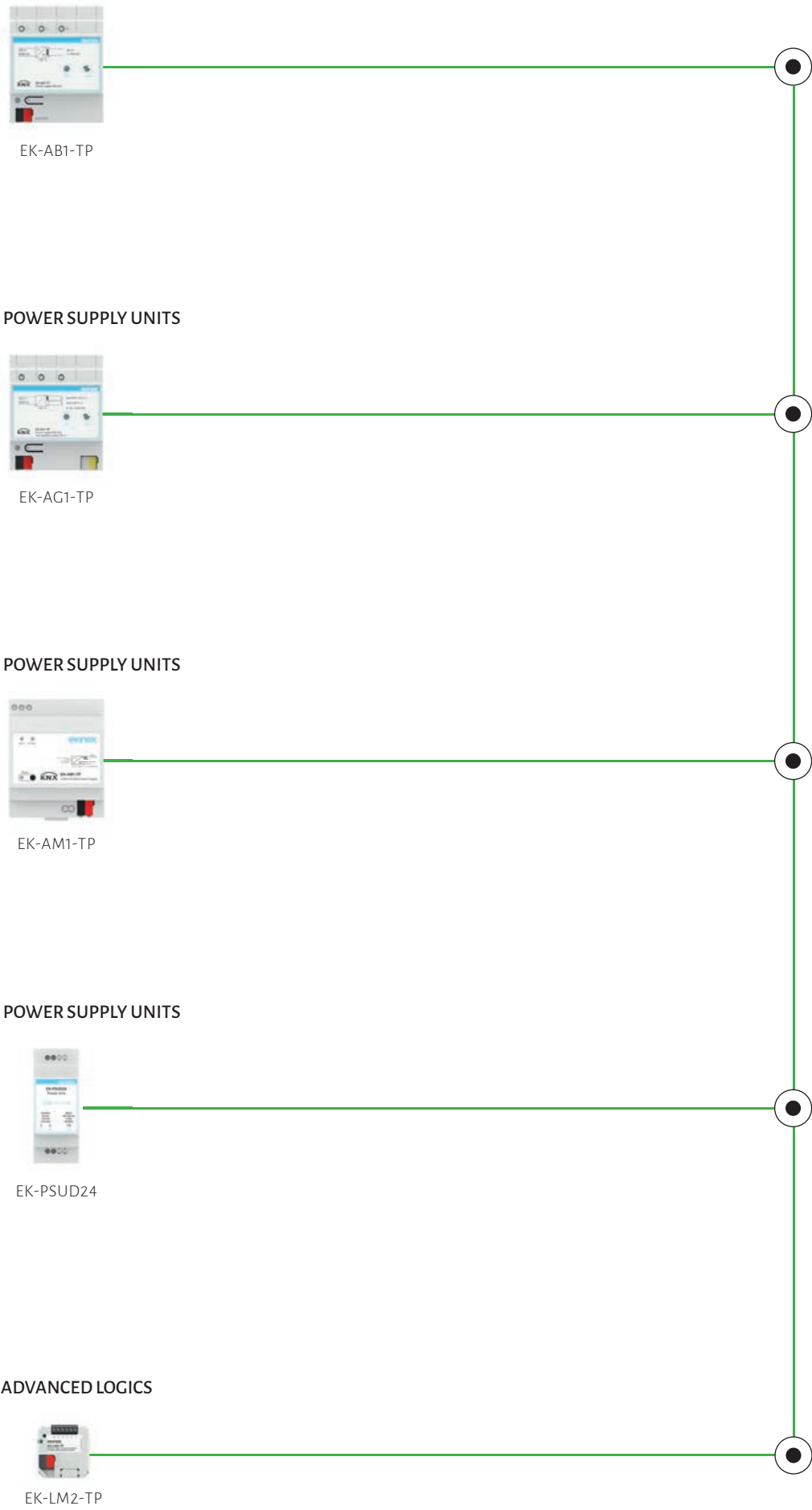


Offriamo un'ampia gamma di moduli su guida DIN basati sullo standard KNX, l'unico vero standard mondiale che consente la gestione automatizzata e decentralizzata di impianti tecnologici di ogni tipo e dimensione.

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



BUS FUNCTIONS

- LIGHTING
- HEATING, COOLING
- VENTILATION
- SHADING
- LOAD CONTROL
- SCENARIOS
- OTHER FUNCTIONS

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-AM1-TP





Switching power supply 230Vac
24Vdc 1A
EK-PSUD24



Power supply units main features

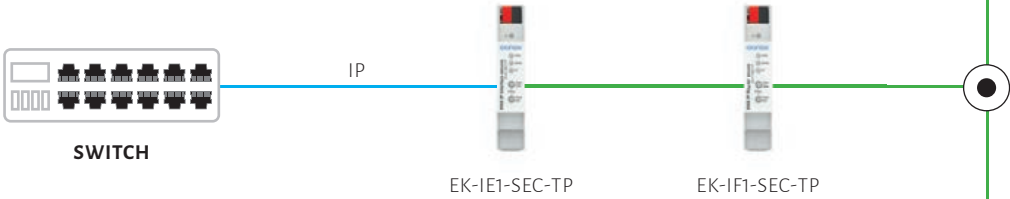
				
Code	EK-AB1-TP	EK-AG1-TP	EK-AM1-TP	EK-PSUD24
Max. number of KNX devices that can be connected on the KNX bus supply line	64	64	128	-
Button to reset the connected bus line	•	•	•	-
KNX bus operation status LED	•	•	•	-
KNX bus overload status LED	•	•	•	-
Integrated decoupling coil	•	•	•	-
Primary power 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

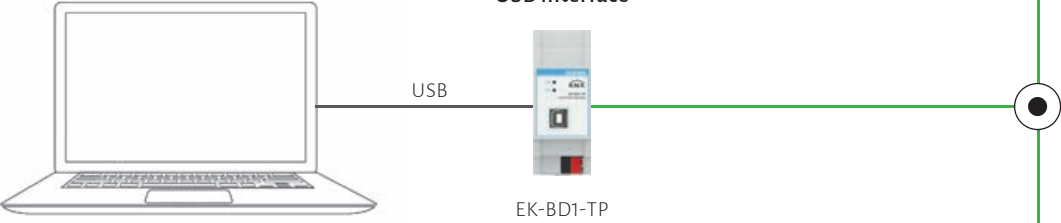
LINE/AREA COUPLER



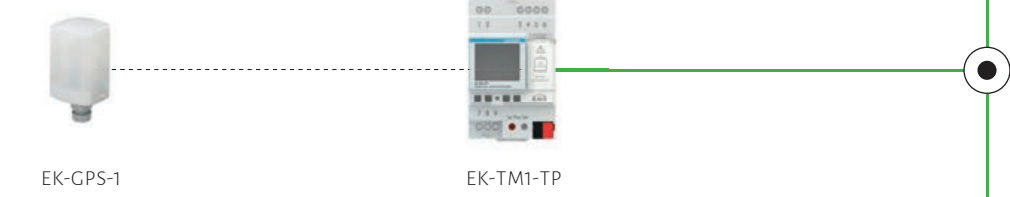
IP CONNECTION



USB CONNECTION



TIMED PROGRAMMES



ADVANCED LOGICS



- KNX
- IP
- USB
- Other connection

BUS FUNCTIONS

- LIGHTING
- HEATING, COOLING
- VENTILATION
- SHADING
- LOAD CONTROL
- SCENARIOS
- OTHER FUNCTIONS

System devices



Digital time/astronomical switch
EK-TM1-TP



USB/KNX interface
EK-BD1-TP



Line/area coupler
EK-BA1-TP



IP secure interface
EK-IE1-SEC-TP



IP secure router
EK-IF1-SEC-TP



System devices main features

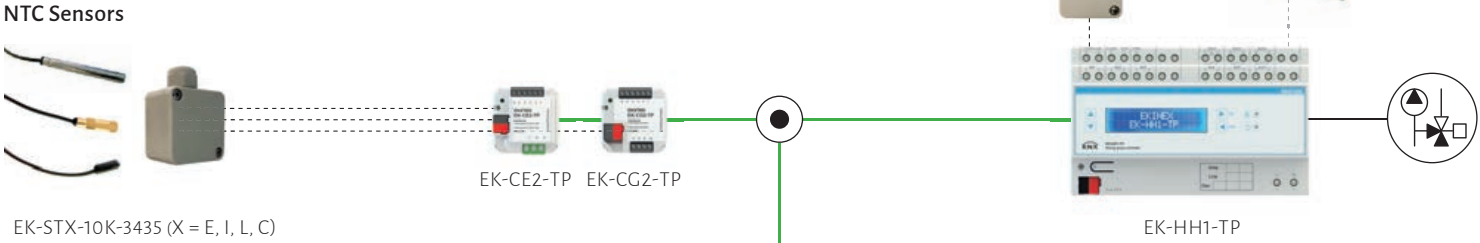


Code	EK-TM1-TP	EK-BD1-TP	EK-BA1-TP	EK-IE1-SEC-TP	EK-IF1-SEC-TP
Suppression of device configuration on secondary line	-	-	•	•	•
Enabling or disabling of group message filtering	-	-	•	•	•
Suppression of device-oriented messages	-	-	•	•	•
Tracking of traffic on the secondary line and reduction of the number 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	•	-	-	-	-

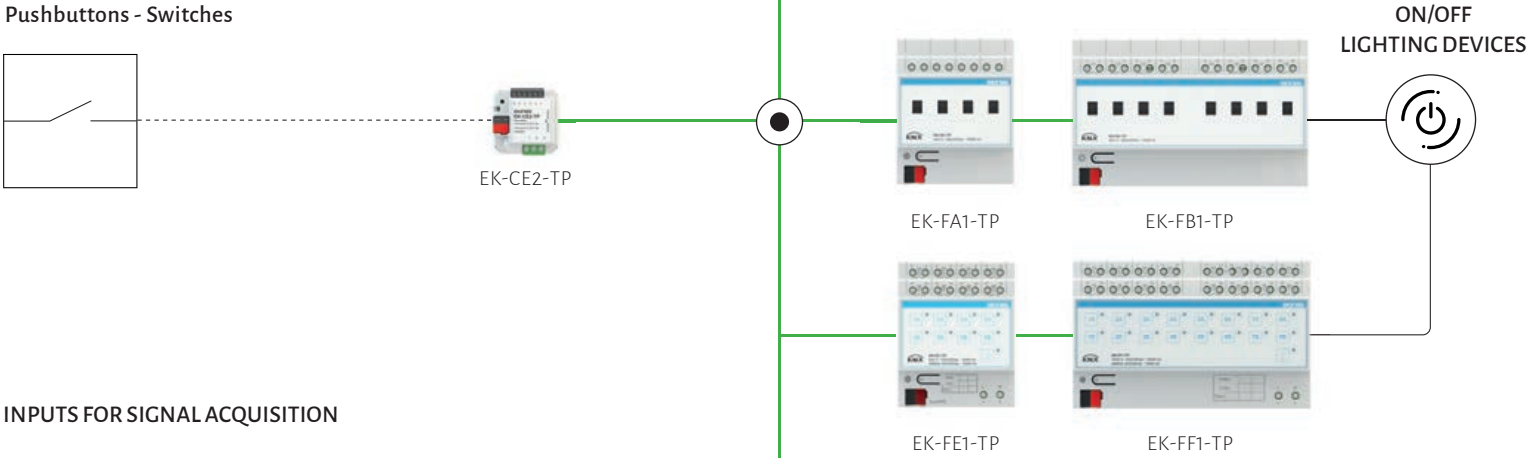
— KNX
— Terminal devices
- - - - - Other connection

Universal interfaces connection diagram

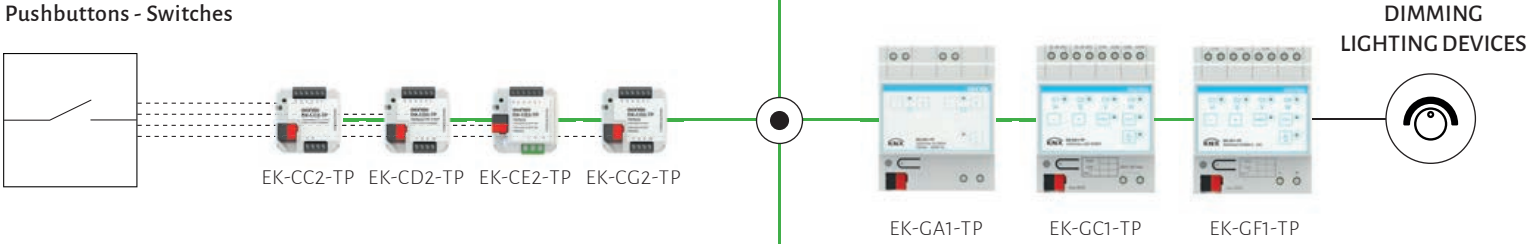
INPUTS FOR TEMPERATURE ACQUISITION



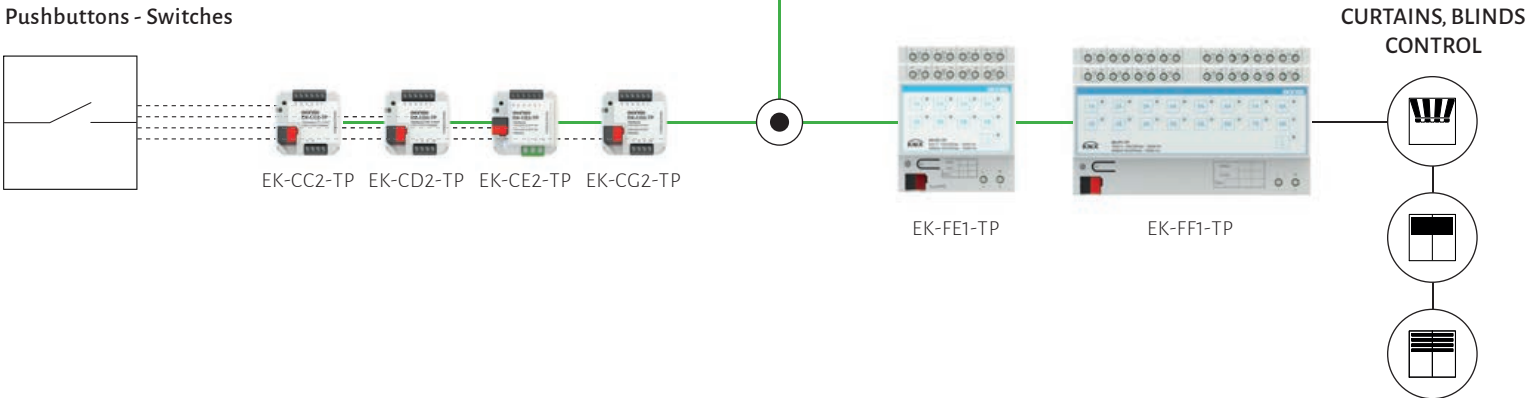
INPUTS FOR SIGNAL ACQUISITION



INPUTS FOR SIGNAL ACQUISITION



INPUTS FOR SIGNAL ACQUISITION



Universal interfaces



Configurable logical module
EK-LM2-TP





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





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





Universal interface
(4 IN conf. as DI or NTC / 4 OUT)
EK-CG2-TP





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

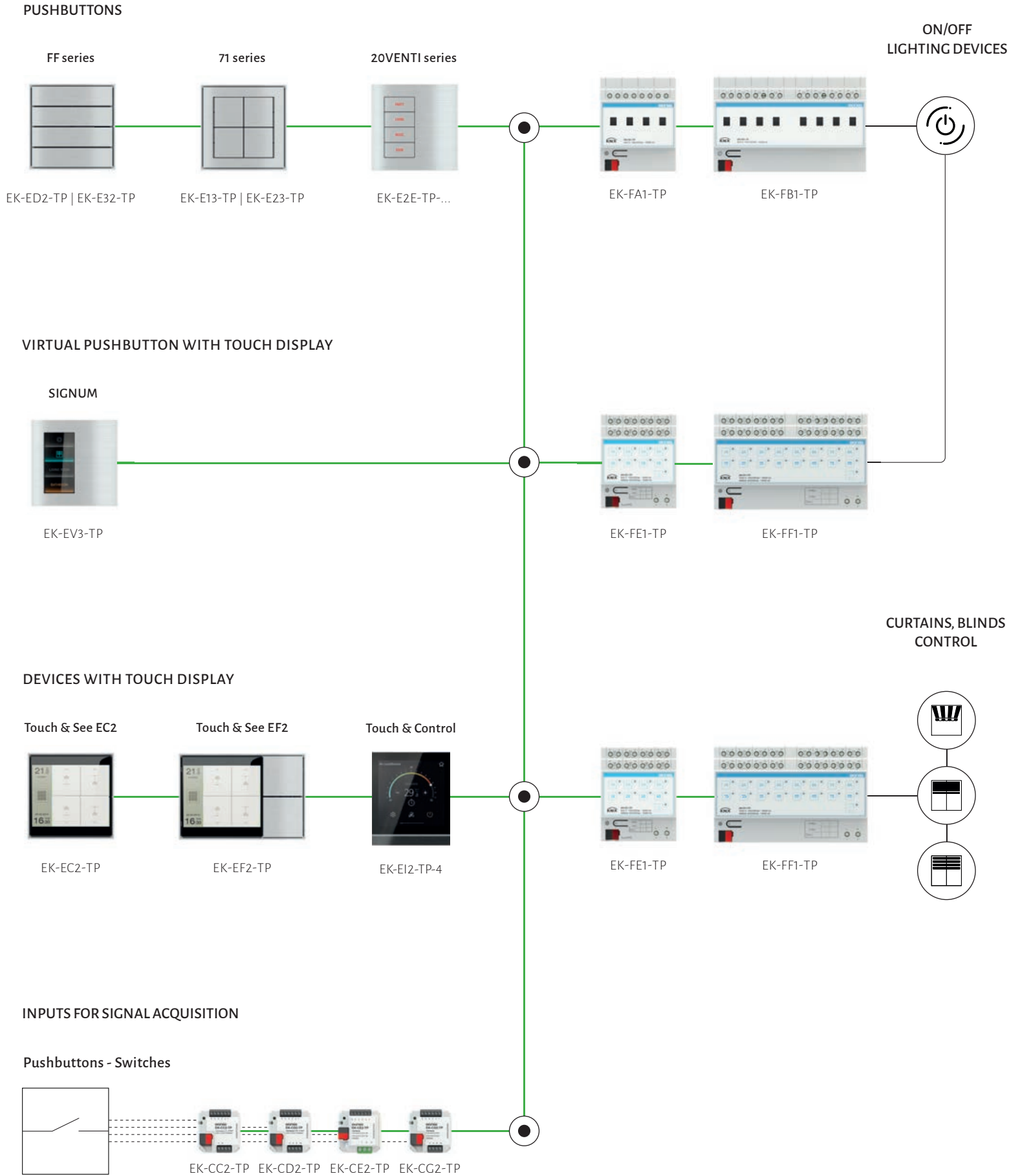


Universal interfaces main features

					
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	•	•	•	•	•

— KNX
— Terminal devices
- - - Other connection

Outputs and Actuators connection diagram

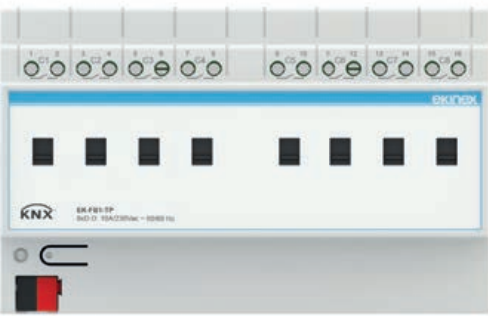


Outputs and Actuators



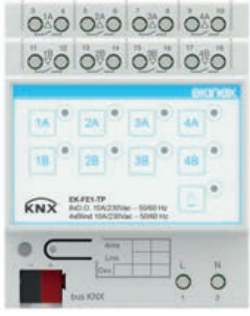
4-fold binary output
EK-FA1-TP





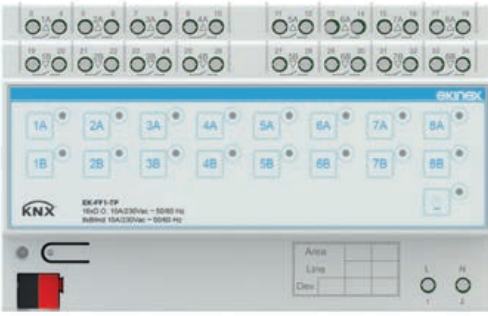
8-fold binary output
EK-FB1-TP





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





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



Outputs and Actuators main features

				
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)	•	•	•	•

- 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

ACCÉDO SOFTWARE AND CARD PROGRAMMING DEVICES

Software



EK-ACC-L...

USB interface



EK-BD1-TP

Card programmer kit for desktop



EK-TPBOX-TP

Card programmer



EK-TP2-TP

REMOTE ASSISTANCE AND SUPERVISION

Router Tosibox



EK-DEL-TBL1
EK-TBL5
EK-DEL-TBL5-SIM

USB Tosibox



EK-DEL-TB...

Switch POE



IP interface



EK-IE1-SEC-TP

FAN-COIL CONTROL
FOR HEATING
AND COOLING



ON/OFF LIGHTING
CONTROL



SHADING
CONTROL



SIGNAL ACQUISITION
AND TEMPERATURES



ON/OFF COMMAND
LOADS



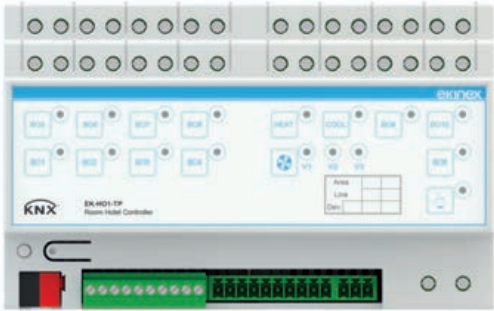
ELECTRIC LOCK
CONTROL



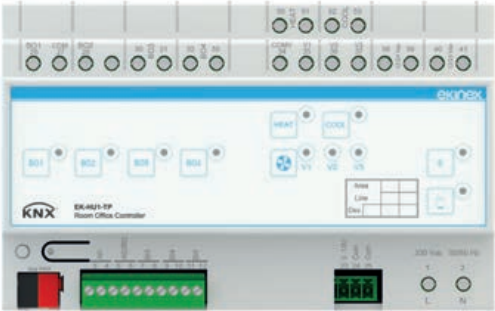
FUNCTION CONTROL
HOTEL ROOM



Input/output modules



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



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



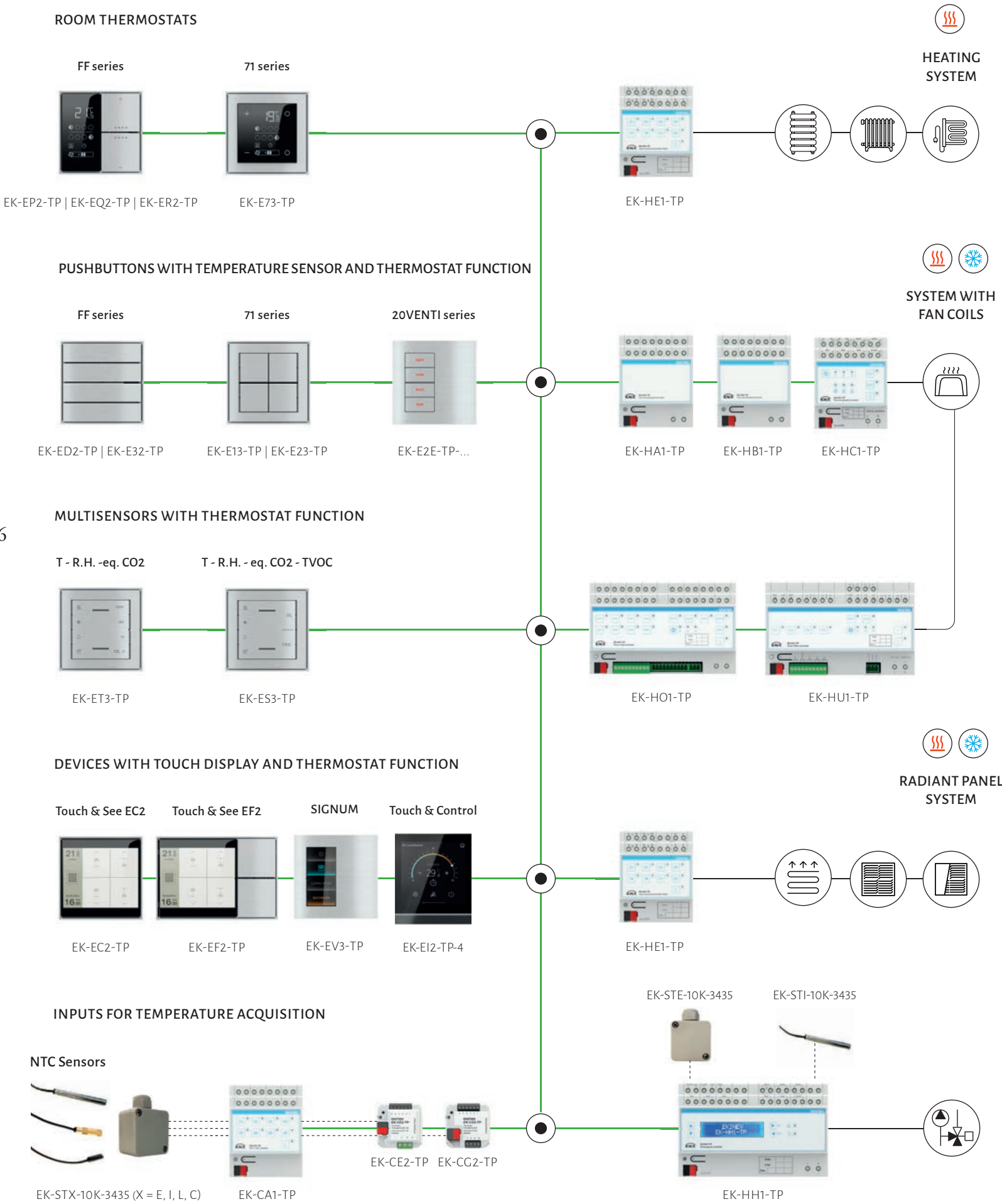
Input/output modules main features



Code	EK-HO1-TP	EK-HU1-TP
Power supply 30 Vdc from bus	•	•
Auxiliary power supply 230 Vac 50/60 Hz	•	•
Analogue inputs	1	1
Inputs freely programmable as analogue or binary	1	1
Binary inputs	9	3
Relay outputs 5(3) A	4	2
Relay outputs 5(3) A, for fan control	3	3
Relay outputs 16(10) A, for heating and cooling valve control	2	-
Relay outputs for electric lock control	1	1
Relay outputs 16(10) A	6	-
0-10 Vdc output	1	1
Membrane keypad for manual control of outputs	•	•
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



Fancoil controller 3 speed
EK-HA1-TP





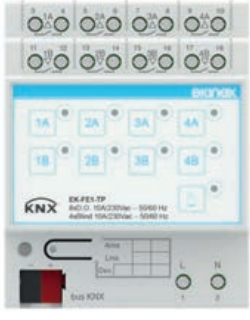
Fancoil controller 0-10 V
EK-HB1-TP





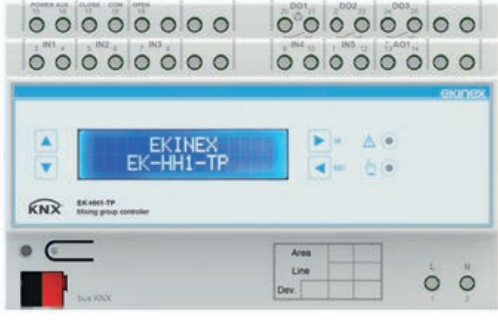
Fancoil controller 3 speed and 0-10V
EK-HC1-TP





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





Mixing group controller
EK-HH1-TP



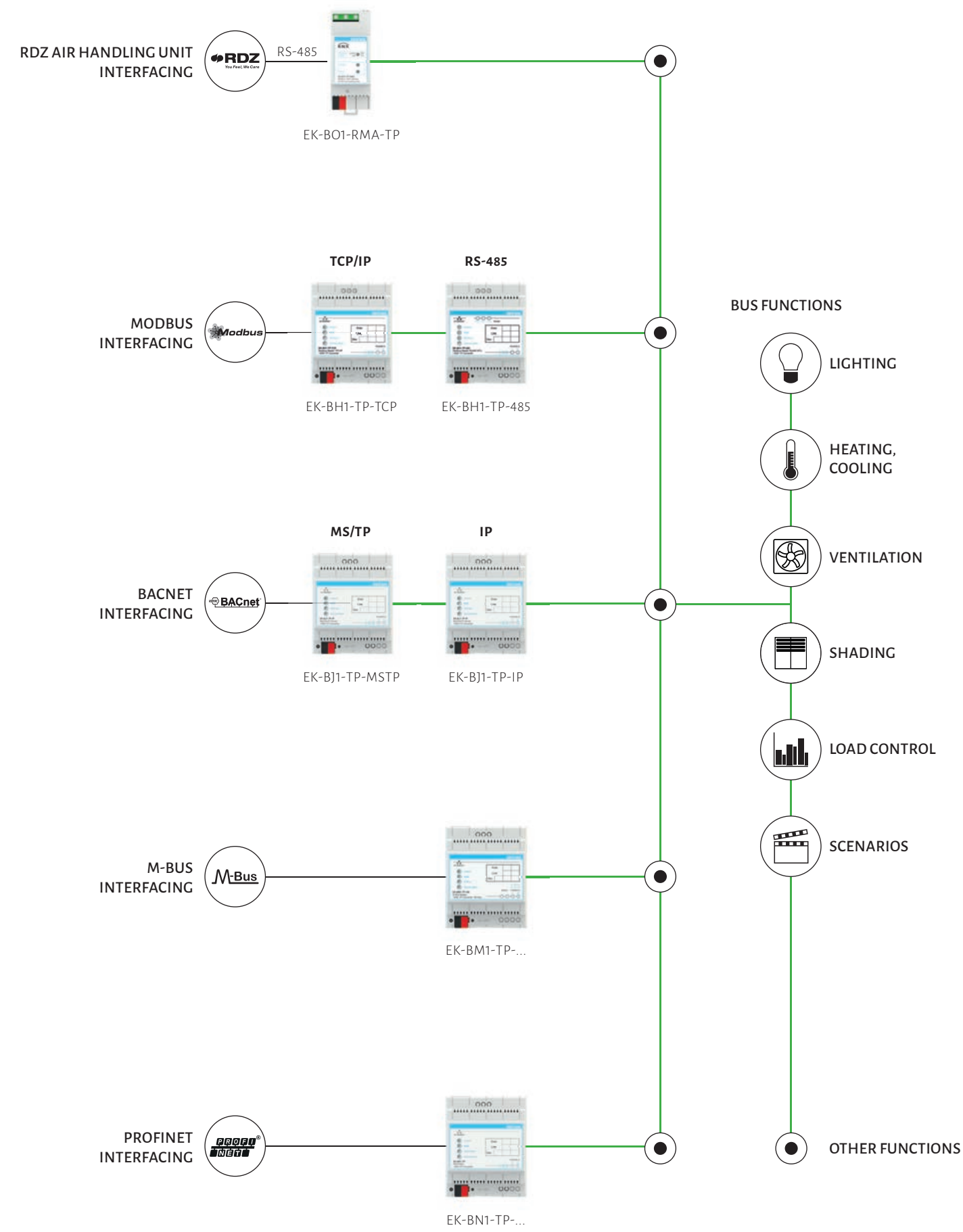
Thermal regulation main features

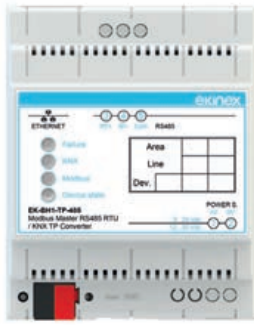
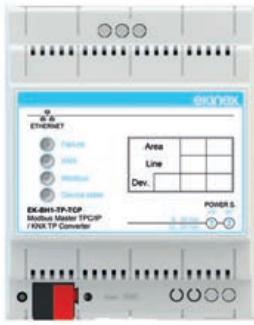
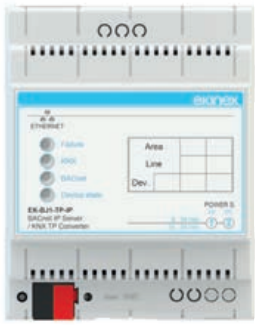
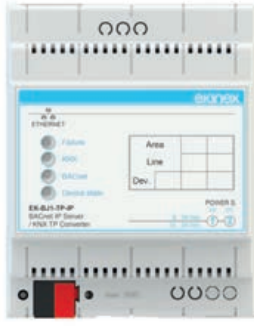
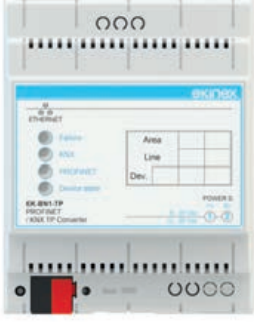
Code	EK-HA1-TP	EK-HB1-TP	EK-HC1-TP	EK-HE1-TP	EK-HH1-TP
30 Vdc power supply from KNX bus	•	•	•	•	•
Auxiliary power supply 230 Vac 50/60 Hz	•	•	•	•	•
Analogue inputs (passive NTC temperature probes 10 kΩ at 25°C)	•	•	•	-	•
Digital inputs (potential-free)	•	•	•	-	•
Relay outputs	•	•	•	-	•
TRIAC outputs	-	-	-	•	•
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



					
Modbus RS485 master KNX Gateway EK-BH1-TP-485		Gateway Modbus TCP/IP master - KNX EK-BH1-TP-TCP		Gateway BACnet IP server - KNX EK-BJ1-TP-IP	
					
BACnet MS/TP server - KNX gateway EK-BJ1-TP-MSTP		M-Bus Master - KNX gateway EK-BM1-TP-XX		Gateway PROFINET-KNX EK-BN1-TP	

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)	•	•	•	•	•	•

Gateway KNX/UTA



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

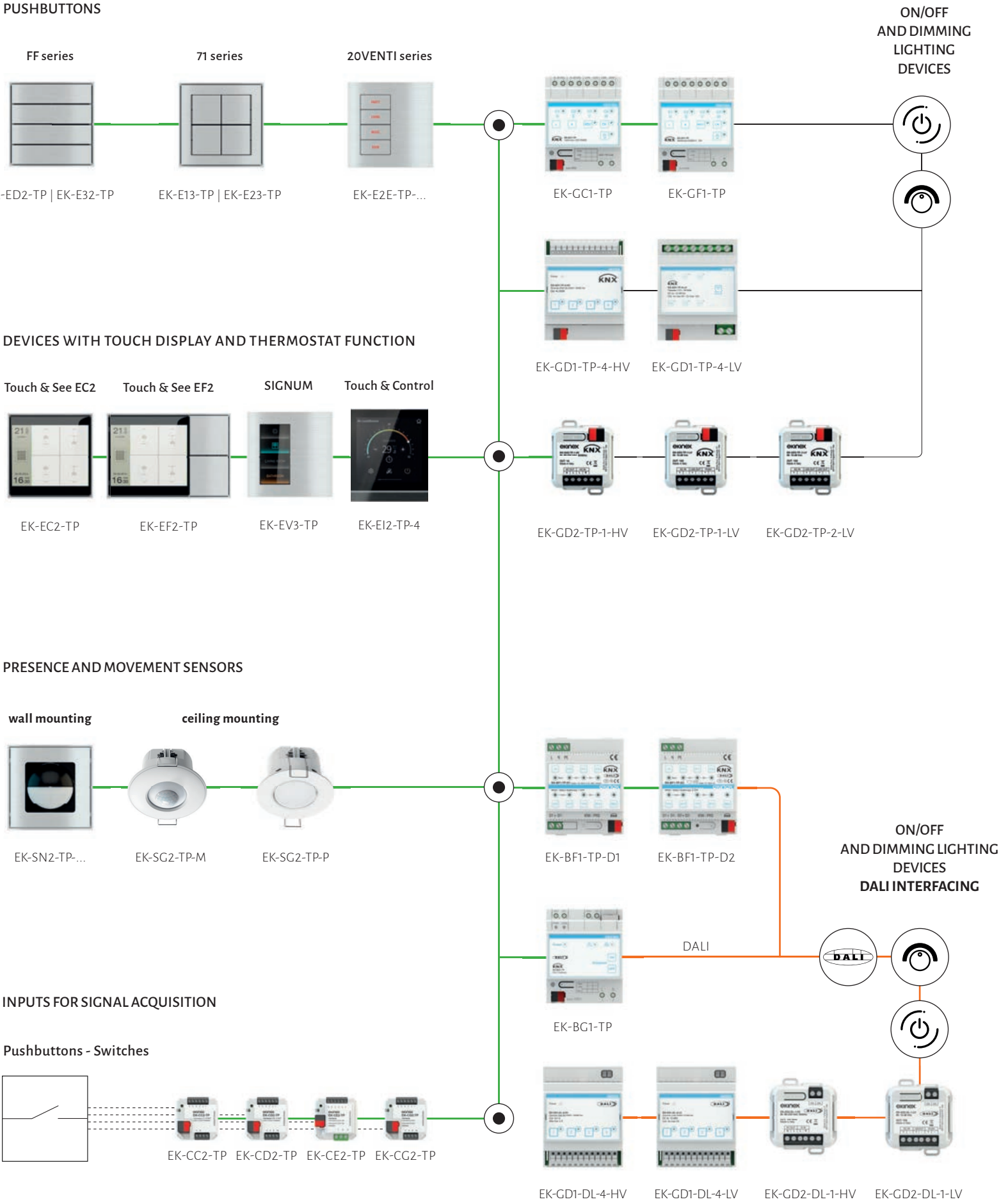


Gateway KNX/UTA main features

	
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	•

— 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





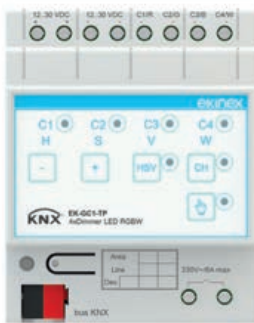
KNX Dimmer 90-230V~50/60Hz
1-channel
EK-GD2-TP-1-HV



KNX Actuators and Dimmers high voltage main features

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)	•	* *adapter in the package required
Slots for screw installation	-	•
Advanced scene management	•	•
Function hour counter	•	•
Alarm for short circuit, open load and power failure	•	•

KNX Dimmer low voltage



**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



**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





**DALI Dimmer 12/48V dc
4 channels**
EK-GD1-DL-4-LV





**DALI Dimmer 90-230V~50/60Hz
4 channels**
EK-GD1-DL-4-HV



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 - 4.0mm² (solid core) / 0.5 - 2.5mm² finely stranded	-	-	•	•	•
Overvoltage 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

DALI Dimmer main features

					
Code	EK-GD2-DL-1-HV	EK-GD1-DL-4-HV	EK-GD2-DL-1-LV	EK-GD2-DL-2-LV	EK-GD1-DL-4-LV
Light intensity adjustment	•	•	•	•	•
Manual operation via membrane buttons	•	-	•	-	-
4 independent channels	•	-	1	2	4
1 independent channel	-	•	-	-	-
Max. current in outputs per channel	1A	1A	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	3000Hz	3000Hz
Terminals 0.5 - 4.0mm² (solid core) / 0.5 - 2.5mm² finely stranded	•	•	•	•	•
Overvoltage and short-circuit protection	•	•	•	•	•
Power supply range	12-48Vdc	12-48Vdc	12-48Vdc	12-48Vdc	12-48Vdc
Energy-saving function with dedicated relay	•	•	•	-	-
Standard rail mounting 35 mm (EN 60715)	•	•	•	*	*

*adapter in the package required

DALI-KNX Gateway



DALI-KNX Gateway
EK-BG1-TP





DALI-KNX Gateway
1 channel
EK-BF1-TP-D1





DALI-KNX Gateway
2 channels
EK-BF1-TP-D2

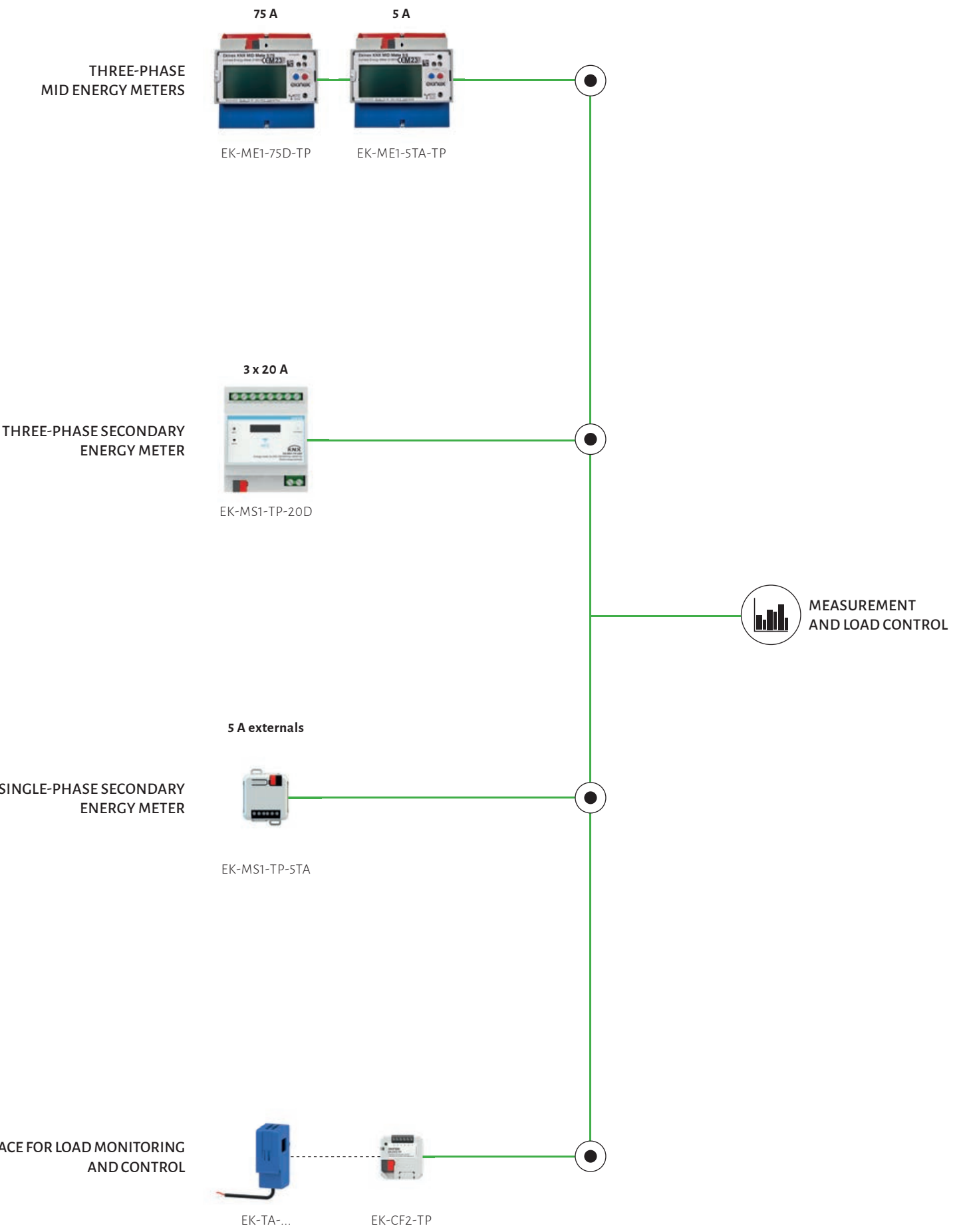


DALI-KNX Gateway main features

Code	EK-BG1-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





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





Three-phase MID electricity meter 5A
EK-ME1-5TA-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

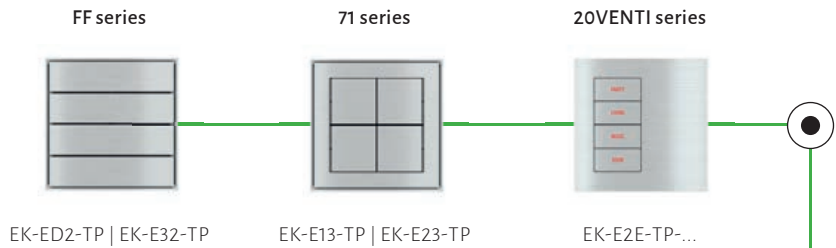


	    				
Code	EK-MS1-TP-20D	EK-MS1-TP-5TA	EK-ME1-75D-TP	EK-ME1-5TA-TP	EK-CF2-TP
Three-phase metering	•	-	•	•	•
Single-phase metering	•	•	•	•	•
Direct insertion	•	-	•	-	-
Input channels for connecting current transformers	-	•	-	•	•
Bidirectional measurement on 4 quadrants for all energies and powers	•	•	•	•	-
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 S0 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	-	-	-	-	•

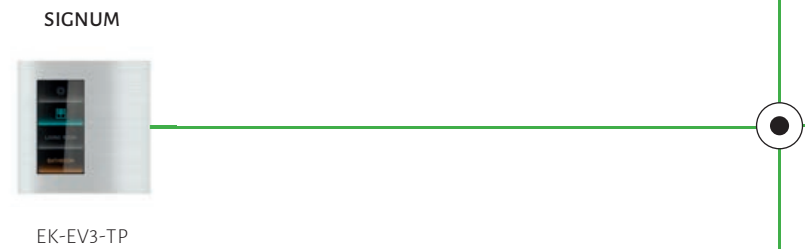
BUS
LAN
WI-FI

Konnect4 connection diagram

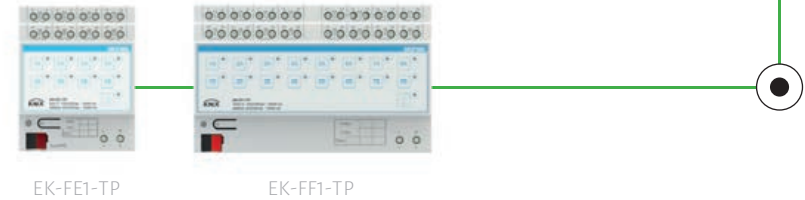
PUSHBUTTONS



VIRTUAL PUSHBUTTON WITH TOUCH DISPLAY



ACTUATORS



Control4 controllers



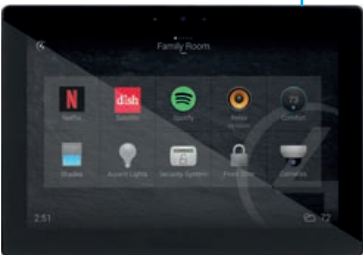
Control4 actuators



LAN

Switch

WI-FI



Control4 Supervision



Konnect4 is automatically recognised
by Composer Pro via SDDP.

Konnect4



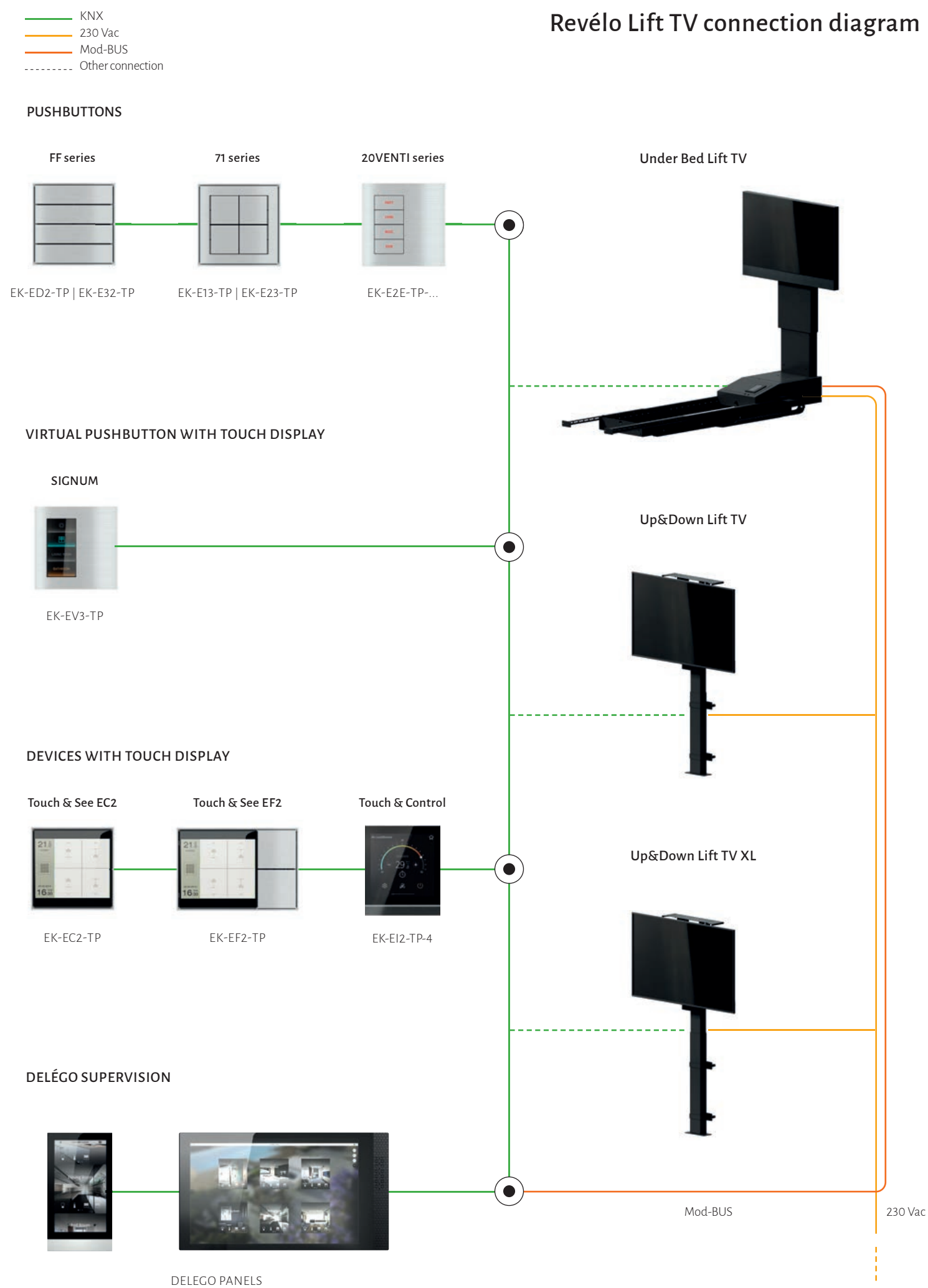
Konnect4
EK-BR1-TP



Konnect4 main features

	
Code	EK-BR1-TP
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	





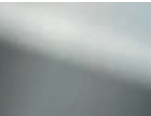
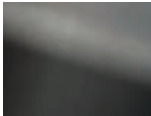
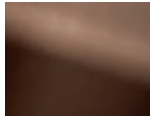
Revélo Lift TV main features

Code	EK-BTV-BL
Dimensions in rest position (without TV): 1574 x 680 x 221 mm	•
Maximum dimensions (without TV): 1930 x 680 x 1740 mm	•
Mass (without TV): 80 kg	•
Cycle time: 25-28 s	•
POWER SUPPLY	
Voltage: 230 V ± 10%	•
Frequency: 50 Hz ± 2%	•
Current: 1.6 A	•
Total installed power: 150 W	•
Required protection: IP20	•
TECHNICAL DATA - TELEVISION	
Minimum screen size: 32"	•
Maximum screen size: 55"	•
Minimum space between TV and top bed frame: 50 mm	•
Maximum weight: 25 Kg	•
Silent movement	•
Wired control for movement actuation	•
Infrared laser photoelectric sensors with light/dark pulse	•
Easily removable cover panels for TV wiring	•
Compatible with Sky Glass	•
For optimal viewing angle 48" TV recommended	•

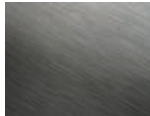
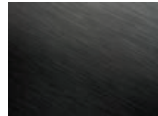
Code	EK-LTV-BL	EK-LTV-XL-BL
Minimum / maximum screen size	32" / 43"	32" / 65"
Min. space between TV and cabinet shelf: 13.50 mm	•	•
Maximum weight:	70 Kg	60 Kg
Cycle time: 18 - 25 s	•	•
Voltage: 100 - 240 Vac ± 10% @ 50 - 60 Hz ± 2%	•	•
Stand-by power: 0.1 W	•	•
Total power output: 300 W	•	•
REQUIRED PROTECTION: IP20	•	•
Dimensions in stand-by position	471 x 598,5 mm	471 x 753,5 mm
(WxHxD, without TV)	471 x 1445 x 174,7 mm	471 x 1945 x 171,5 mm
Maximum dimensions (WxHxD, without TV)	15 kg (33 lb)	16 kg (35 lb)
Mass (without TV)	518 / 545 mm	700 mm
Installation dimensions	•	•
Motion Silence	•	•
PIEZO™ technology: integrated anti-collision sensor	•	•
PVC-Free™, made without PVC materials	•	•
Invisible slide rails	•	•
Minimum distance between profiles	•	•
Synchronised movement of the middle profile	•	•
Software for stroke length adjustment	•	•
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	Plates Signum 20VENTI 71 Deep and Surface	Plates Signum 20VENTI 71 Deep and Surface	Plates Signum 20VENTI 71 Deep and Surface
Rockers FF 71	Rockers FF 71	Rockers FF 71	Rockers FF 71

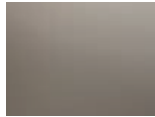
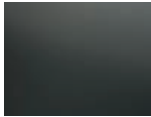
Metal (customisation of texts/symbols with laser marking)

				
GBQ Aluminium Brushed	GBR Nickel Brushed	GBS Titan Brushed	GBU Carbon Brushed	GBB Brass Brushed
Frames FF-71 Form FF-71 Flank	Frames FF-71 Form FF-71 Flank	Frames FF-71 Form FF-71 Flank	Frames FF-71 Form FF-71 Flank	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	GAB 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	FCB Grey Bromine	FVC Green Commodore	FCC Cocoa Orinoco	FNI Black Ingo
Plates Signum 20VENTI 71	Plates Signum 20VENTI 71	Plates Signum 20VENTI 71	Plates Signum 20VENTI 71	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	Rockers FF 71	Rockers FF 71	Rockers FF 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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