

WHO  
WE  
ARE  
TECH

ekinex

WHO  
WE  
ARE  
TECH ekinex



## OUR DNA | *Il nostro DNA*

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

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

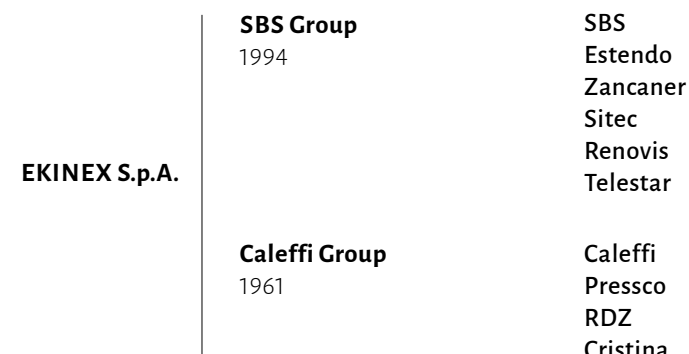


# MILESTONES

### *Il gruppo e la storia*

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.



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

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

**2012**  
SETTEMBRE  
*SEPTEMBER*

**2014**  
MARZO  
*MARCH*

Pubblicazione della prima edizione del sito e del catalogo.  
Ekinex S.p.A si presenta ufficialmente sul mercato con la prima gamma di moduli per barra DIN e comandi a parete con la serie FF.

Publication of the first edition of the website and catalogue.  
Ekinex S.p.A officially introduces itself to the market with its first range of DIN-rail mount modules and wall-mount devices with the FF series.

Ampliamento della gamma prodotti  
con la presentazione della serie 71.

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

**2016**  
MARZO  
MARCH

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

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

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

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

**2018**  
DICEMBRE  
*DECEMBER*

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

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

2019  
LUGLIO  
JULY

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

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

**2019**  
NOVEMBRE  
NOVEMBER

**2020**  
MAGGIO  
*MAY*

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

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

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

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

2023  
MARZO  
MARCH

2024

Ampliamento sito produttivo e internalizzazione filiera.

Expansion of production site and internalisation of supply chain.



# WHERE WE ARE

## *Dove siamo*

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

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

## *Headquarters*

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



# 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.



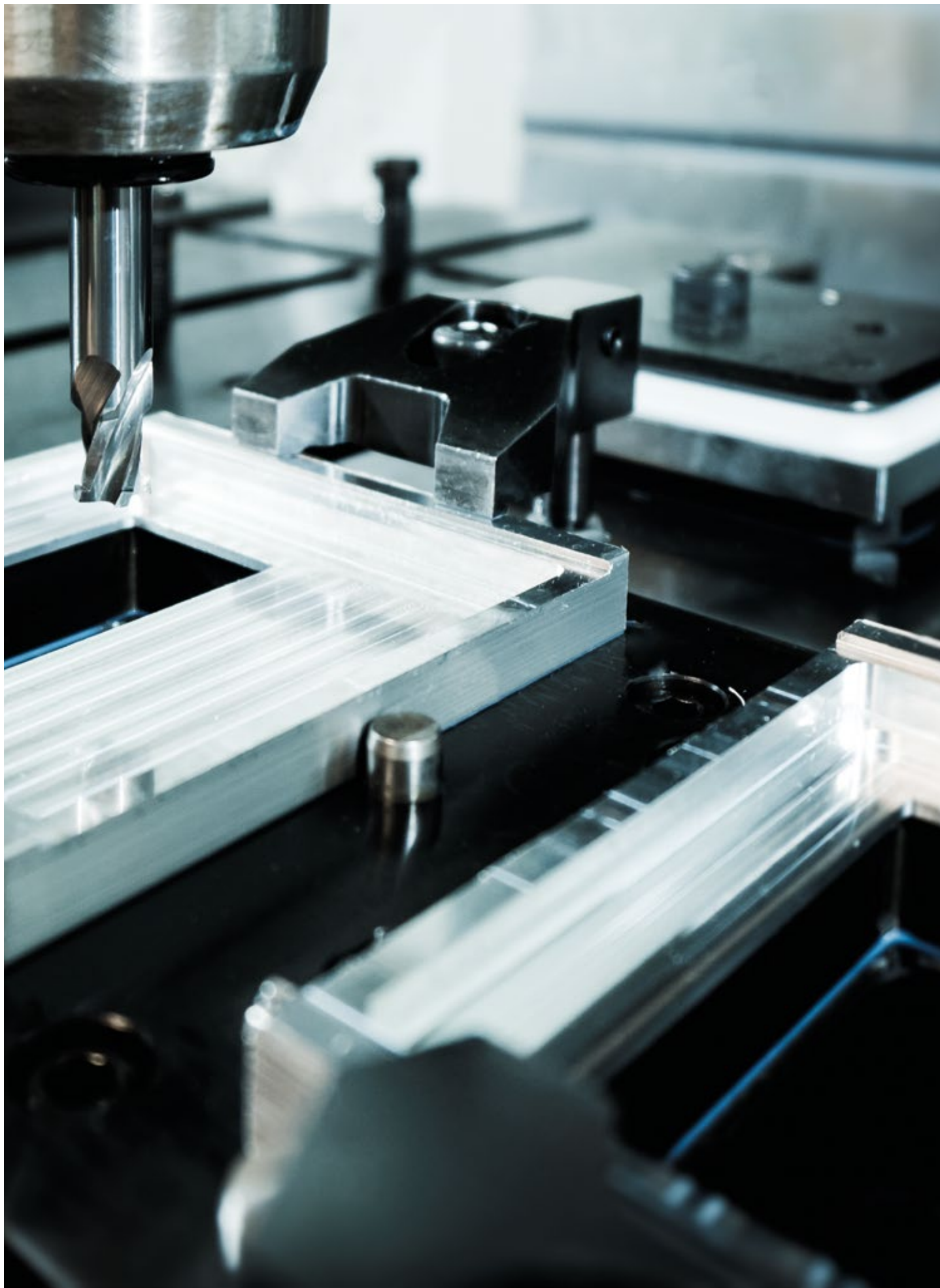
# MADE IN ITALY

*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.





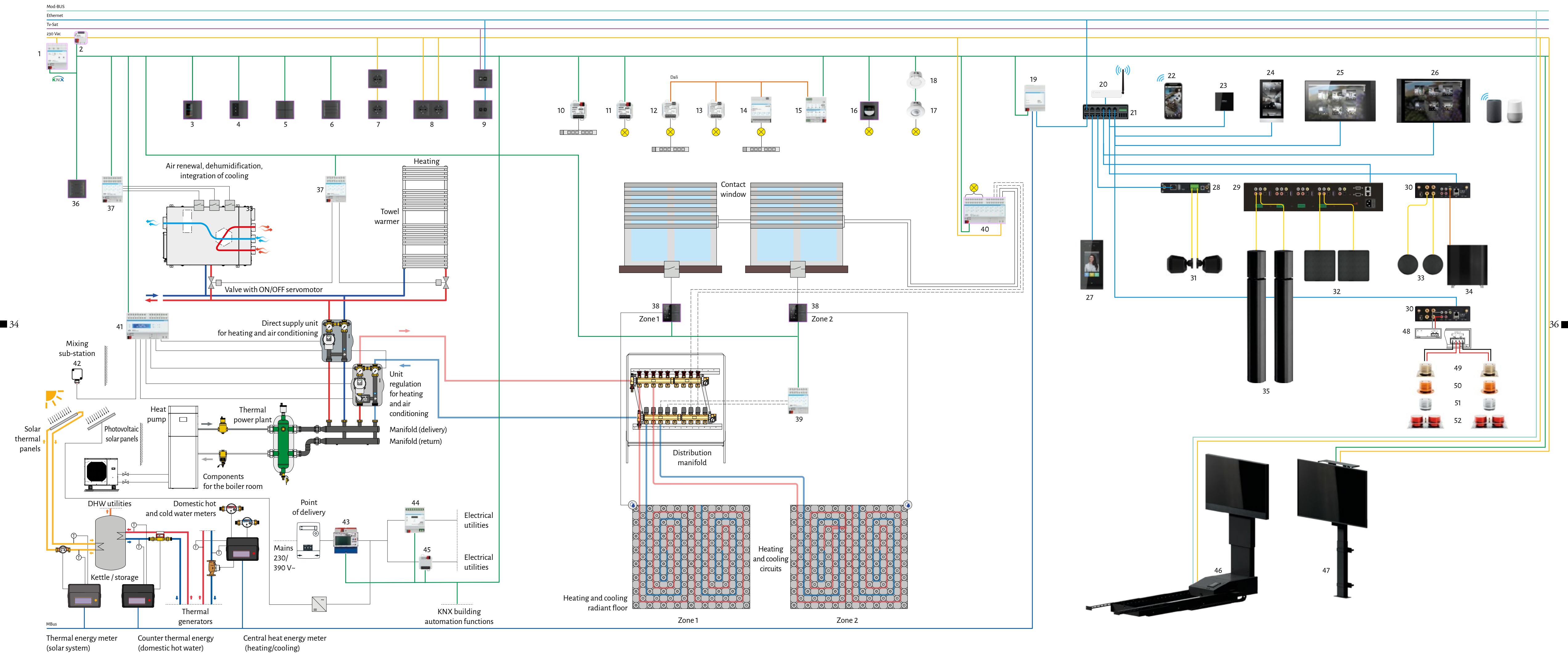


## ONE BRAND SOLUTIONS

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 Vdc 1 channel                      |
| 13 | EK-GD2-DL-1-HV        | DALI Dimmer 90-230V~50/60Hz                          |
| 14 | EK-GD1-DL-4-HV        | DALI Dimmer 90-230V~50/60Hz 4 channels               |
| 15 | EK-BF1-TP-D1          | KNX / DALI gateway 1 channel                         |
| 16 | EK-SN2-TP-GA_         | Motion Sensor                                        |
| 17 | EK-SG2-TP-M           | KNX Secure multi-function movement sensor            |
| 18 | EK-SG2-TP-P           | KNX Secure multifunctional presence sensor           |
| 19 | EK-DEL-SRV-BAS-200-TP | Delégo server                                        |
| 20 |                       | Modem router                                         |
| 21 |                       | Switch POE                                           |
| 22 | DELÉGO APP            | Delégo App (Android / iOS)                           |
| 23 | EK-DEL-4-PAN-S        | Delégo Panel Smart 4"                                |
| 24 | EK-DEL-5-PAN-P        | Delégo Panel Premium 5"                              |
| 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                                   |

| Nr | Code                           | Description                                                   |
|----|--------------------------------|---------------------------------------------------------------|
| 28 | EK-30S-AU                      | Streamer amplifier 30W 1 zone                                 |
| 29 | EK-50Q-AU                      | Streamer amplifier 50W4 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-MS2-TP-STA                  | Single-phase secondary energy meter                           |
| 46 | EK-BTV-BL                      | Under Bed lift TV                                             |
| 47 | EK-LTV-BL                      | Up&Down lift TV                                               |
| 48 | EK-PW1-AU                      | POWER1 Amplifier                                              |
| 49 | EK-DW1-AU                      | Invisible DRYWALL                                             |
| 50 | EK-WO1-AU                      | Invisible WOOD                                                |
| 51 | EK-GL1-AU                      | Invisible GLASS                                               |
| 52 | EK-TW1-AU                      | Invisible TWIN                                                |

# 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<br>VISUALISATION | WALL-MOUNT<br>DEVICES | AUDIO MULTI-ROOM<br>SENTIO | IP DOOR PHONE<br>DICO | DIN-RAIL MOUNT<br>MODULES | LIFT TV<br>REVÉLO |
| 40                      | 50                    | 74                         | 94                    | 102                       | 130               |

# DELÉGO VISUALISATION

*Supervisione  
Delégo*



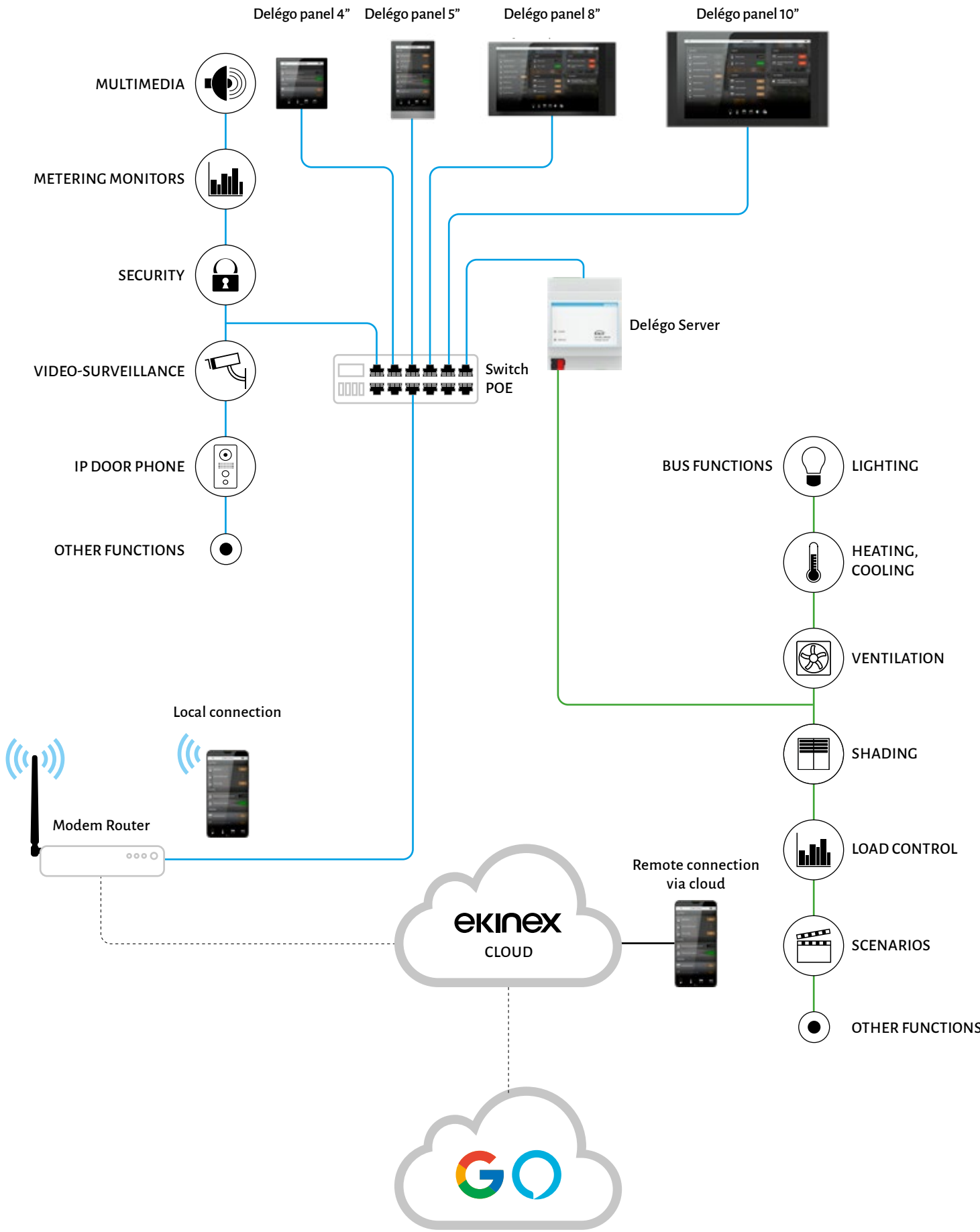
Grazie a Delégo resti connesso con la tua casa da qualsiasi luogo e in qualsiasi momento della giornata. Delégo controlla ogni ambiente assicurandoti sicurezza, benessere e comfort. Crea per te lo scenario più adatto ad ogni momento della giornata lasciandoti libero di goderti ogni attimo.

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 visualisation 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);<br>60 mm diameter round box (e.g. Gewiss mod. 24232);<br>3M flush mounting box vertical installation (e.g. BTicino mod. 503E) |                                                                                   | 2M flush mounting box (e.g. BTicino mod. 502E);<br>65x45 mm diameter round box (e.g. Gewiss mod. GW24234PM) | 2M flush mounting box (e.g. BTicino mod. 502E);<br>60 mm diameter round box (e.g. Gewiss mod. 24232);<br>3M flush mounting box vertical installation (e.g. BTicino mod. 503E) |                                                                                     |

Delégo server



Delégo Server Mini  
EK-DEL-SRV01-M





Delégo Server  
EK-DEL-SRV01



Delégo server main features

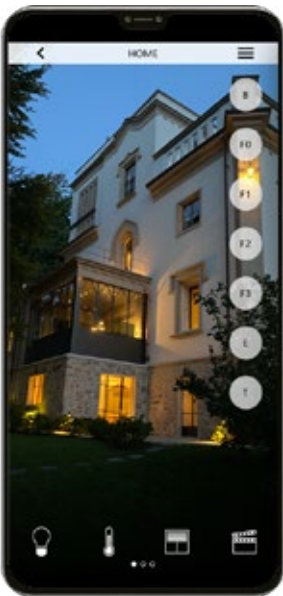
|                                                                        |                                                                                     |                                                                                     |
|------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                                                                        |  |  |
|                                                                        | DELÉGO SERVER MINI                                                                  | DELÉGO SERVER                                                                       |
|                                                                        | EK-DEL-SRV01-M                                                                      | EK-DEL-SRV01                                                                        |
| CODICE                                                                 |                                                                                     |                                                                                     |
| KNX DATAPPOINTS                                                        |                                                                                     |                                                                                     |
| KNX                                                                    | 200                                                                                 | 1500                                                                                |
| KNX Datapoints Upgrade with EK-DEL-UPGo1 or EK-DEL-UPGo2               | NO                                                                                  | YES                                                                                 |
| ACCEDO (ACCESS CONTROL SYSTEM)                                         |                                                                                     |                                                                                     |
| Rooms                                                                  | 4                                                                                   | 4                                                                                   |
| Accesses                                                               | 4                                                                                   | 4                                                                                   |
| Upgrade 4 rooms + 4 accesses                                           | "YES with Voucher (max 16 rooms)"                                                   | YES with Voucher                                                                    |
| USER INTERFACE                                                         |                                                                                     |                                                                                     |
| ETS Import                                                             | YES                                                                                 | YES                                                                                 |
| Maps                                                                   | YES                                                                                 | YES                                                                                 |
| Rooms                                                                  | YES                                                                                 | YES                                                                                 |
| Interface Customization                                                | YES                                                                                 | YES                                                                                 |
| Charts and reporting                                                   | YES                                                                                 | YES                                                                                 |
| CLOUD SERVICES                                                         |                                                                                     |                                                                                     |
| Cloud Connectivity for remote access                                   | YES                                                                                 | YES                                                                                 |
| Voice Assistants                                                       | YES                                                                                 | YES                                                                                 |
| Weather services                                                       | YES                                                                                 | YES                                                                                 |
| Notifications on Cloud                                                 | YES                                                                                 | YES                                                                                 |
| INTEGRATIONS                                                           |                                                                                     |                                                                                     |
| Modbus                                                                 | YES                                                                                 | YES                                                                                 |
| Mbus                                                                   | YES                                                                                 | YES                                                                                 |
| MQTT Client and Server                                                 | YES                                                                                 | YES                                                                                 |
| Integration of Sentio Audio Multiroom System                           | YES                                                                                 | YES                                                                                 |
| Integration of Dico Intercom System                                    | YES                                                                                 | YES                                                                                 |
| Integration of Philips HUE                                             | 5 bridges                                                                           | 5 bridges                                                                           |
| Integration of Sonos                                                   | 30 zones                                                                            | 30 zones                                                                            |
| KNX Alarm Systems (example: Telenote)                                  | YES                                                                                 | YES                                                                                 |
| Security systems integration (Tecnoalarm, Elmo, Bentel, Paradox, Axel) | YES with Voucher                                                                    | YES with Voucher                                                                    |
| VOIP Integration (2N, Doorbird)                                        | YES with Voucher                                                                    | YES with Voucher                                                                    |
| FUNCTIONS                                                              |                                                                                     |                                                                                     |
| Single Widget PIN Code Protection                                      | YES                                                                                 | YES                                                                                 |
| LUA Logic Module                                                       | YES                                                                                 | YES                                                                                 |
| Lights                                                                 | YES                                                                                 | YES                                                                                 |
| RGBW Lights                                                            | YES                                                                                 | YES                                                                                 |
| Heating/Cooling                                                        | YES                                                                                 | YES                                                                                 |
| Motorisation                                                           | YES                                                                                 | YES                                                                                 |
| Irrigation                                                             | YES                                                                                 | YES                                                                                 |
| Alarms                                                                 | YES                                                                                 | YES                                                                                 |
| Circadian Cycle                                                        | YES                                                                                 | YES                                                                                 |
| Telegram Notifications                                                 | YES                                                                                 | YES                                                                                 |
| Email Notifications                                                    | YES                                                                                 | YES                                                                                 |
| Push Notifications                                                     | YES                                                                                 | YES                                                                                 |
| Schedules                                                              | YES                                                                                 | YES                                                                                 |
| Energy monitoring                                                      | YES                                                                                 | YES                                                                                 |
| Astronomic Clock                                                       | YES                                                                                 | YES                                                                                 |
| Scenes and Timers                                                      | YES                                                                                 | YES                                                                                 |
| Presence Simulation                                                    | NO                                                                                  | YES                                                                                 |
| Scripting                                                              | NO                                                                                  | YES                                                                                 |



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 visualisation, even where it does not operate on standard KNX technology.



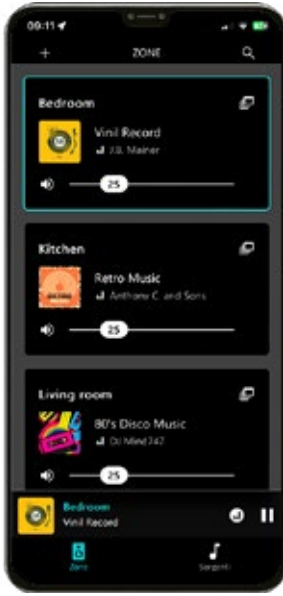
**Load control**  
Delégo offers a powerful load control logic, which operates by keeping one or more absorption values under control, and intervening by disconnecting the pre-set utilities when an alarm threshold is exceeded, according to a precise priority set by the installer and modifiable by the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



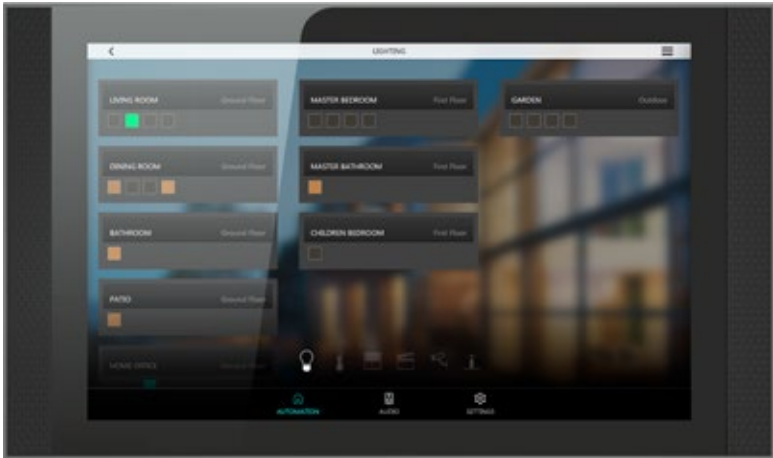
Main page



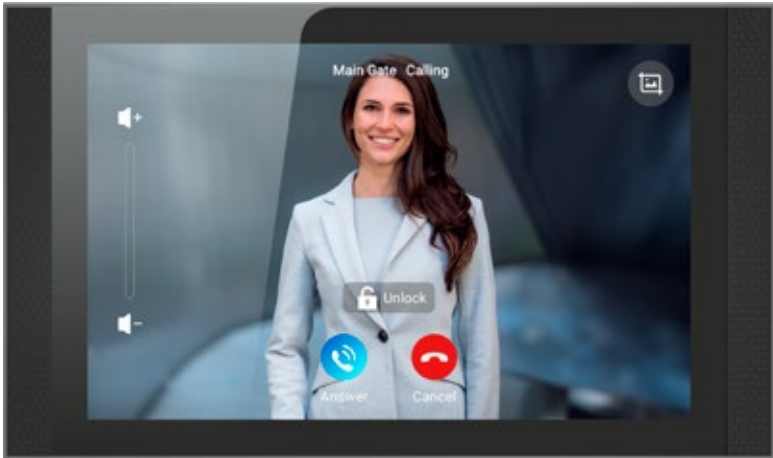
Areas



Lighting



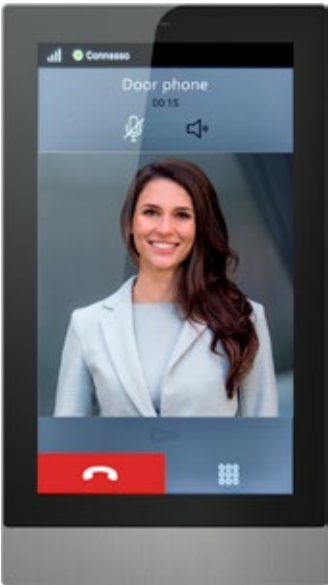
Summary pages



Communication



Climate



Communication



Multimedia



Climate



Multimedia



# WALL-MOUNT DEVICES

*Comandi  
a parete*



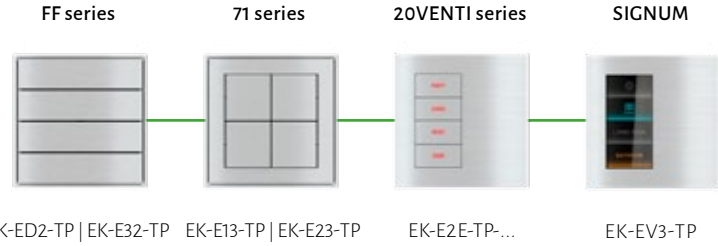
Celiamo la complessità della tecnologia dietro il design essenziale dei nostri dispositivi. Collezioni diverse che interpretano stili differenti e si impreziosiscono attraverso un'ampia gamma di materiali e finiture.

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.

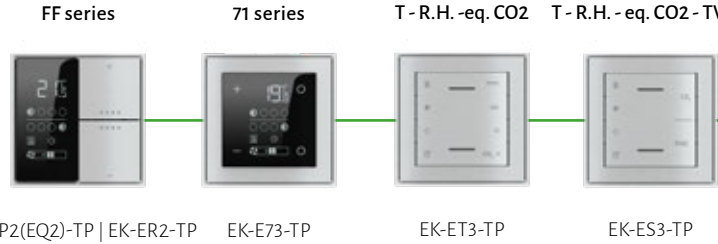
— KNX  
— DALI  
— Terminal devices

Connection scheme Wall-mounted devices

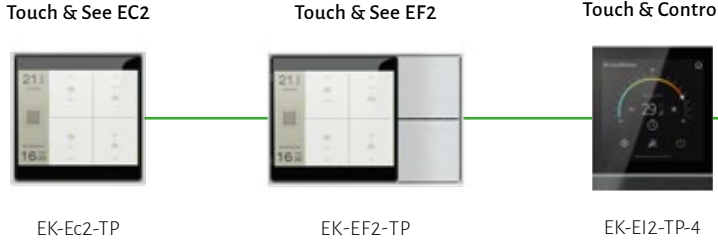
PUSHBUTTONS WITH TEMPERATURE SENSOR AND THERMOSTAT FUNCTION



ROOM THERMOSTATS AND MULTISENSORS WITH THERMOSTAT FUNCTION



DEVICES WITH TOUCH DISPLAY AND THERMOSTAT FUNCTION



PRESENCE AND MOVEMENT SENSORS

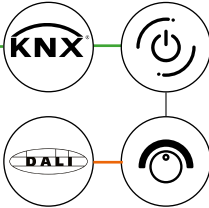


ELECTRICAL SOCKETS USB A/C (IT, SCHUKO, FR, UK) AND KEYSTONE MODULES

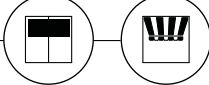


BUS  
FUNCTIONS

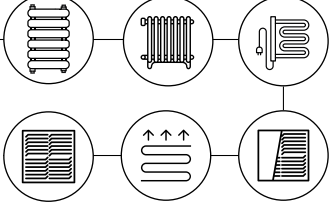
LIGHTING



SHADING



HEATING,  
COOLING



VENTILATION



MEASUREMENT  
AND LOAD CONTROL



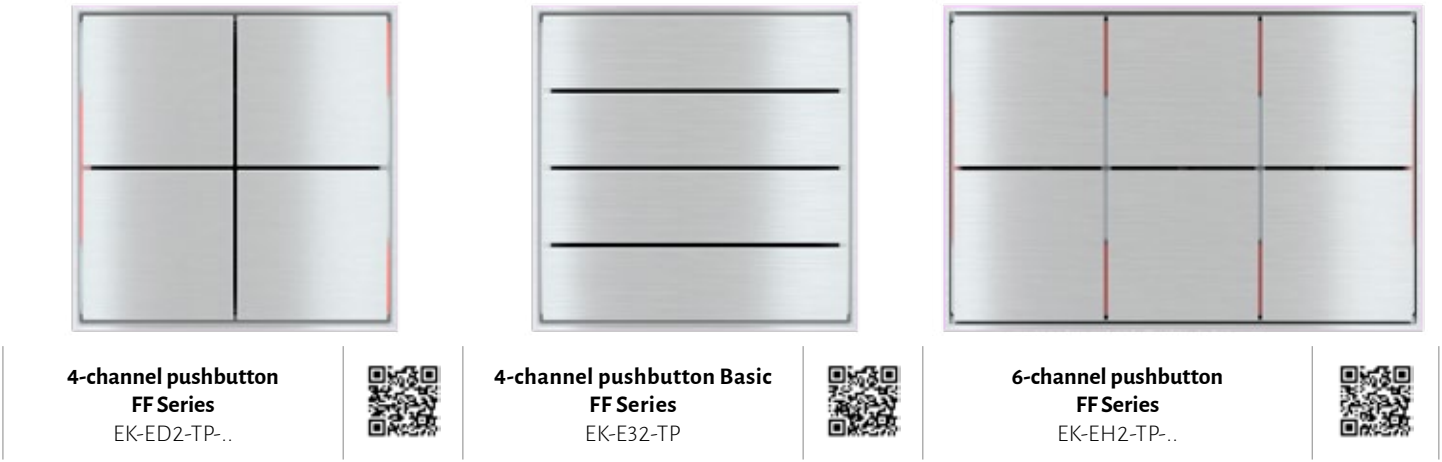
MULTIMEDIA



SCENARIOS



Pushbuttons FF series



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

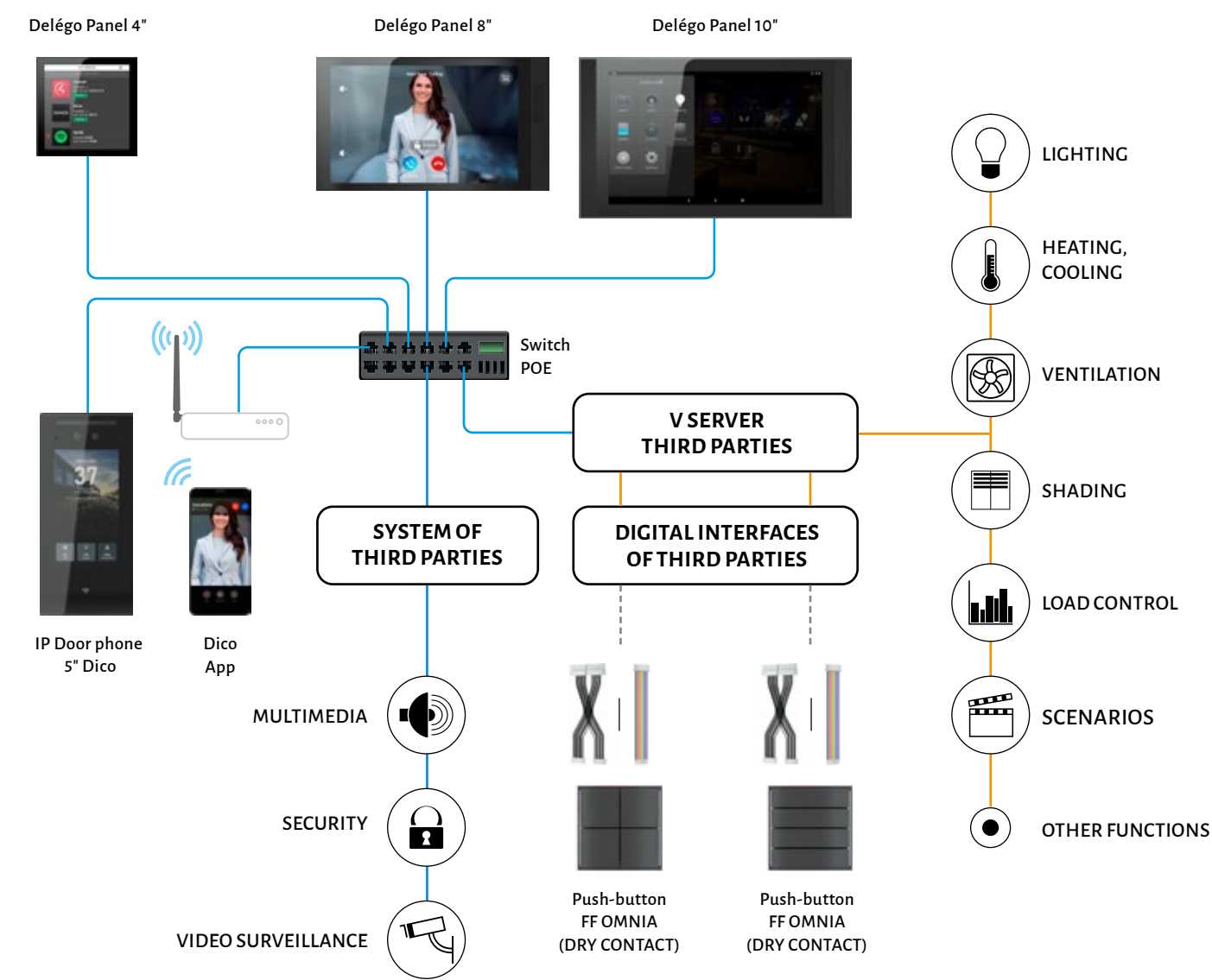
| FRAMES   | Square     |       |          |            | Rectangular |       |          |            |
|----------|------------|-------|----------|------------|-------------|-------|----------|------------|
|          |            |       |          |            |             |       |          |            |
| 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® |
|          | •                             | •     | •        | •          | •               | •     | •        | •          | •                          | •     | •        | •          |



Connection scheme pushbuttons FF OMNIA series (no voltage)



Accessories for Pushbuttons FF OMNIA series (no voltage)



Pushbuttons FF OMNIA series (no voltage) main features

| Code                                                                                     | EK-ED2-NC-.. | EK-ED2-NB-.. |
|------------------------------------------------------------------------------------------|--------------|--------------|
| Control and signalling elements: 8 physical buttons, 8 white LEDs                        | •            | •            |
| Control of luminaires                                                                    | •            | •            |
| Control of motorised shutter drives (such as roller shutters, awnings, blinds or blinds) | •            | •            |
| Different functions programmable by short press / long press of a button                 | •            | •            |
| Piloting of third-party logics and interfaces                                            | •            | •            |
| Relay control (EK-ED2-NB only)                                                           | -            | •            |
| IP20 degree of protection (luminaire installed)                                          | •            | •            |
| Climatic classification 3K5 and mechanical classification 3M2 (according to EN 50491-2)  | •            | •            |
| Pollution degree 2 (according to IEC 60664-1)                                            | •            | •            |
| 30 Vdc power supply via KNX bus and current consumption from bus < 15 mA                 | •            | •            |

Pushbuttons FF OMNIA series (no voltage) frame and rockers configuration

| FRAMES                               | Square                   |       |            |            |
|--------------------------------------|--------------------------|-------|------------|------------|
|                                      |                          |       |            |            |
| Form                                 | EK-FOQ-...               |       |            |            |
|                                      |                          |       |            |            |
| FINISHES                             | Plastic                  | Metal | Metal HT   | Fenix NTM® |
|                                      | •                        | •     | -          | -          |
| Flank                                | EK-FLQ-...               |       |            |            |
|                                      |                          |       |            |            |
| FINISHES                             | Plastic                  | Metal | Metal HT   | Fenix NTM® |
|                                      | •                        | •     | -          | -          |
| Available in 'NF' version (no frame) |                          |       |            |            |
| ROCKERS                              | Rectangular vertical (2) |       | Square (4) |            |
|                                      |                          |       |            |            |
| FINISHES                             | EK-TRV-...               |       | EK-TQQ-... |            |
|                                      | Plastic                  | Metal | Metal HT   | Fenix NTM® |
|                                      | •                        | •     | •          | •          |

Pushbuttons FF OMNIA series (no voltage)



Pushbuttons 71 series

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

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

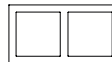
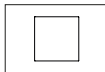
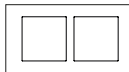
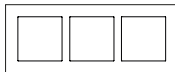
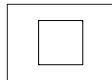
Pushbuttons 71 series main features

|                                                               |              |           |
|---------------------------------------------------------------|--------------|-----------|
|                                                               |              |           |
| 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® |
| FINISHES | •          | •     | •        | •          | •                        | •     | •        | •          | •          | •     | •        | •          | -                          | •     | •        | •          |

Finishes & Materials p. 134



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





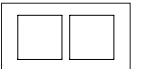
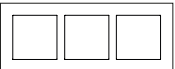
Pushbutton 10 rockers  
20VENTI Series  
EK-E2E-TP-10



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<br>(3, 4, 6, 8)                                     |       |          |            | Rectangular dimmer<br>(1, 2)                                                          |       |          |            | Rectangular transparent<br>(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 | •                                                                                     | •     | -        | -          |

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

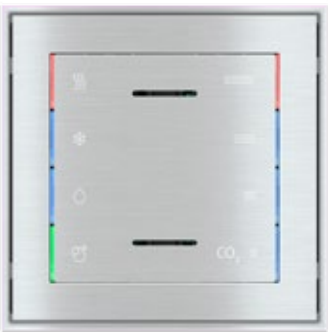
Available in 'NF' version (no frame)

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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



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



EK-ET3-TP



EK-ES3-TP

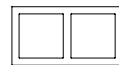
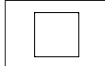
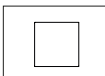
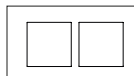
|                                                                                           |           |           |
|-------------------------------------------------------------------------------------------|-----------|-----------|
| Code                                                                                      | 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                                                      | •         | •         |

Multisensors

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<br>FRONT COVER | Square                                                                                |       |          |            |
|                             |  |       |          |            |
|                             | EK-T1Q-...-ET2 / EK-T1Q-...-ES2                                                       |       |          |            |
| FINISHES                    | Plastic                                                                               | Metal | Metal HT | Fenix NTM® |
|                             | •                                                                                     | •     | •        | •          |

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Touch & See



Touch & See display  
EK-EC2-TP





Touch & See display  
with 2-fold pushbutton  
EK-EF2-TP-..



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)                                                                            |       |          |            |
|          |  |       |          |            |
| FINISHES | EK-TQQ-...-EF2                                                                        |       |          |            |
|          | Plastic                                                                               | Metal | Metal HT | Fenix NTM® |
|          | •                                                                                     | •     | •        | •          |

EC2 Available in 'NF' version (no frame)  
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Touch & Control



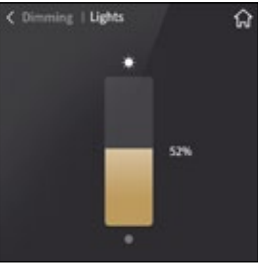
Main page



Air quality



Climate



Dimming



RGBW



Screen saver



Touch&Control display  
EK-EI2-TP-4 (black)  
EK-EI2-TP-4-W (white)



Touch & Control main features

|                                                                                                      |                                                                                       |                                                                                       |
|------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|                                                                                                      |  |  |
| Code                                                                                                 | EK-EI2-TP-4                                                                           | EK-EI2-TP-4-W                                                                         |
| 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, RGCBW 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-FOQ-...                                                                            |       |          |            |
| 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





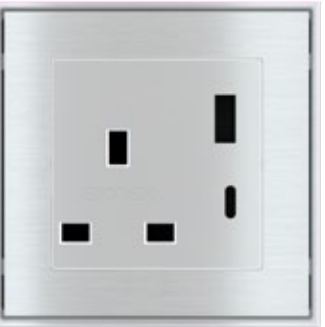
Power socket  
(55x55 mm) - FR USB  
EK-PWS-FR-USB





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





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



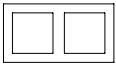
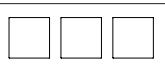
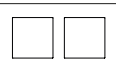
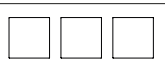
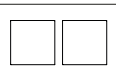
Power sockets and USB A/C main features

|                                                         |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                      |                                                                                       |                                                                                       |                                                                                       |
|---------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|                                                         |  |  |  |  |  |  |  |  |
| 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® | 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® | Plastic                                                                               | Metal | Metal HT | Fenix NTM® |  |  |  |
|          | -                                                                                     | •     | •        | •          | -                                                                                     | •     | •        | •          |                                                                                       |       |          |            |  |  |  |

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

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

Keystone System



Keystone 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-...



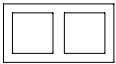
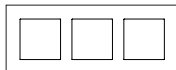
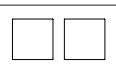
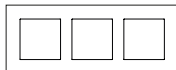
Keystone System main features

|                                          |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                      |                                                                                       |                                                                                       |                                                                                       |
|------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|                                          |  |  |  |  |  |  |  |  |
| 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-...                                                                          |       |          |            |
|          | Plastic                                                                             | Metal | Metal HT | Fenix NTM® | Plastic                                                                             | Metal | Metal HT | Fenix NTM® |
| FINISHES | •                                                                                   | •     | -        | -          | •                                                                                   | •     | -        | -          |
|          |  |       |          |            |  |       |          |            |
| Flank    | EK-FLQ-...                                                                          |       |          |            | EK-FL2-...                                                                          |       |          |            |
|          | Plastic                                                                             | Metal | Metal HT | Fenix NTM® | Plastic                                                                             | Metal | Metal HT | Fenix NTM® |
| FINISHES | •                                                                                   | •     | -        | -          | •                                                                                   | •     | -        | -          |

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-...                                                                            |       |          |            | EK-D3P-...                                                                           |       |          |            |
| 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. 134  
\* 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 EKTTP2-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



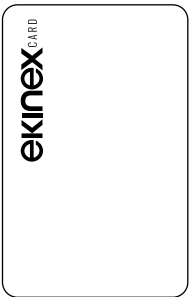
Smart-card programmer kit for desktop  
EK-TPBOX-TP





Accédo Software  
EK-ACC-L...





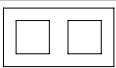
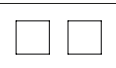
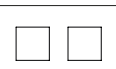
Smart-card  
EK-TC.-10



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® |                                                                                       |       |          |            |
|          | -                                                                                     | •     | •        | •          | -                                                                                     | •     | •        | •          |                                                                                       |       |          |            |



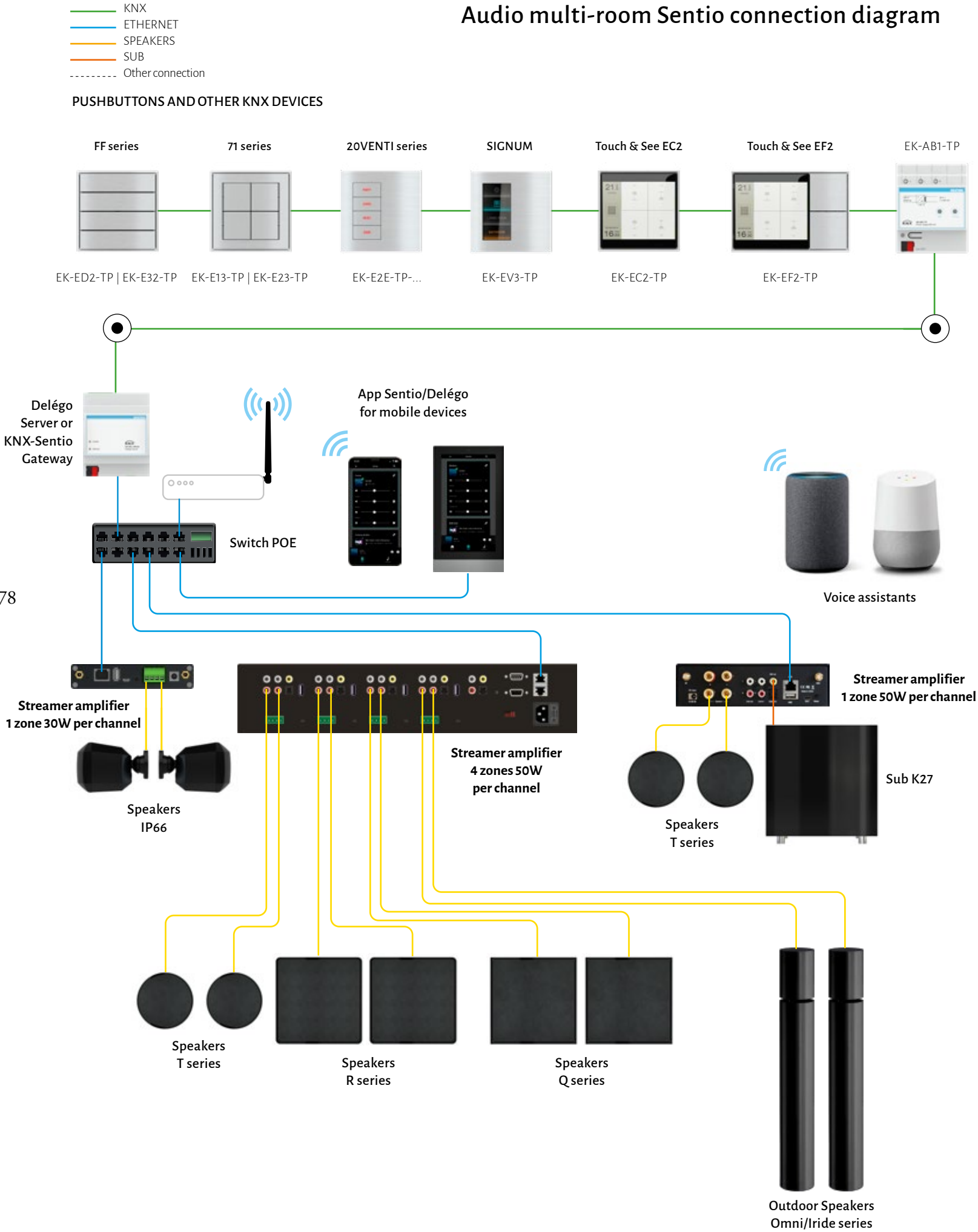
# SENTIO

 | *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.





79

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



79

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

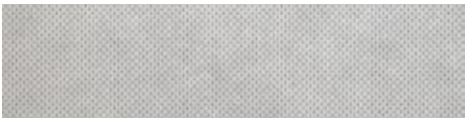




2-way full-range in-ceiling  
speaker 60W  
EK-SP525-AU



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                             | •                                                                                    | •                                                                                     | -                                                                                     |





**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-...





| 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

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

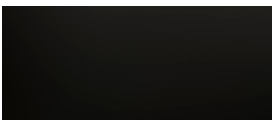
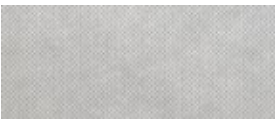
Speakers T series main features



| 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                                                                                 |

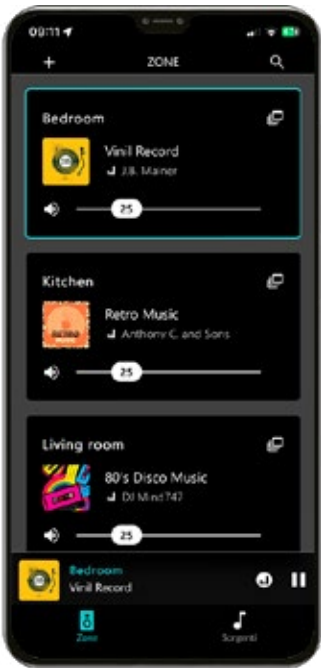
App Sentio configuration



**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.

# SENTIO

*Invisible Player*

Invisible Player trasforma le pareti della tua casa o del tuo ufficio in potenti diffusori di suono. Grazie alla sua tecnologia acustica rivoluzionaria, ogni superficie diventa uno strumento che vibra e diffonde musica, creando un'esperienza sonora avvolgente e unica.

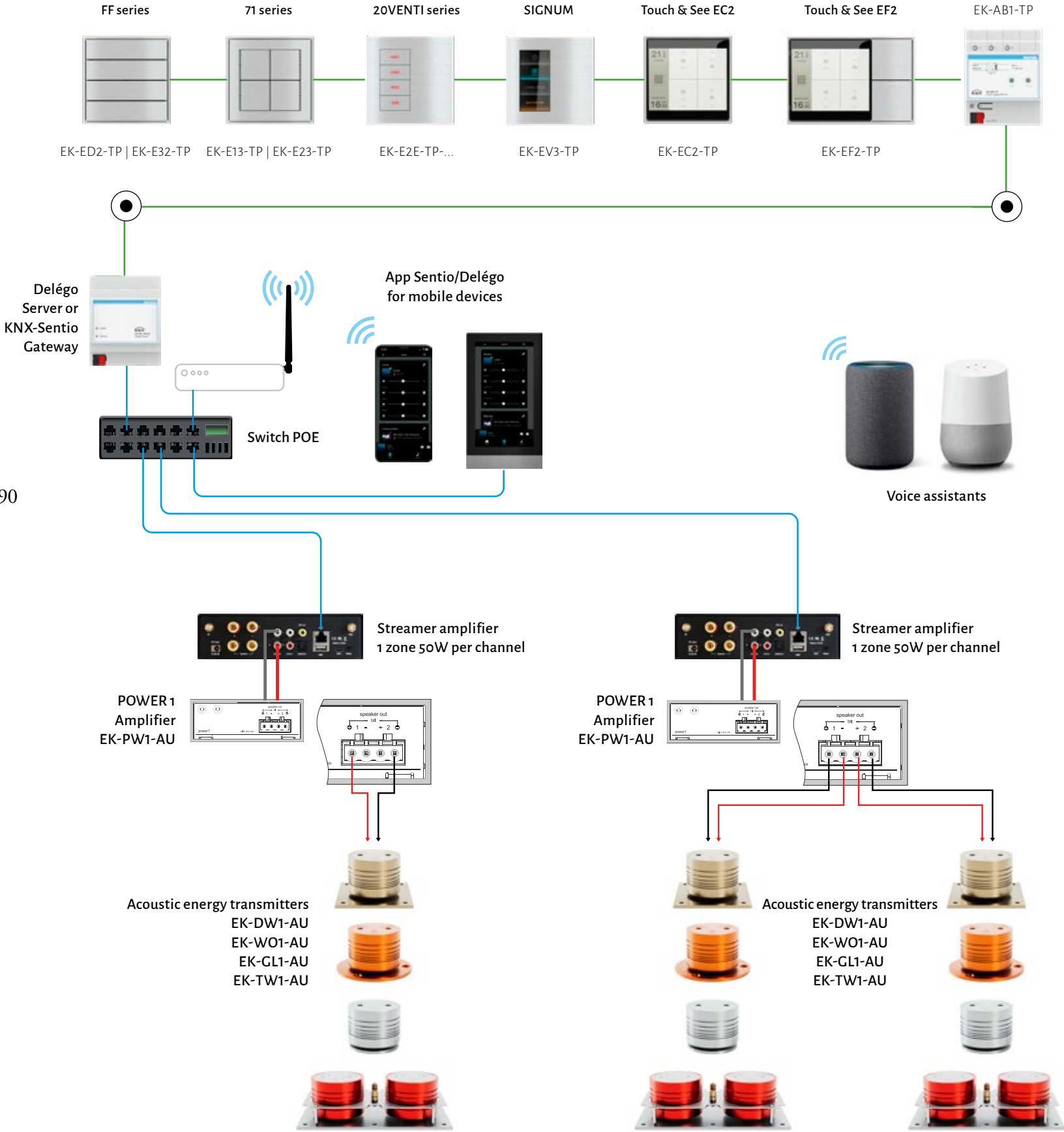
Invisible Player turn the walls of your home or office into powerful sound diffusers. Thanks to its revolutionary acoustic technology, every surface becomes an instrument that vibrates and spreads music, creating an enveloping and unique sound experience.



KNX  
ETHERNET  
RCA CABLES  
AUDIO CABLES

Invisible Player connection scheme

PUSHBUTTONS AND OTHER KNX DEVICES



Acoustic energy transmitters



Acoustic energy transmitters main features

|                                            | EK-DW1-AU | EK-WO1-AU | EK-GL1-AU | EK-TW1-AU |
|--------------------------------------------|-----------|-----------|-----------|-----------|
| Code                                       |           |           |           |           |
| Impedance: 4 Ω                             | •         | •         | •         | -         |
| IMPEDANCE: 8 Ω                             | -         | -         | -         | •         |
| Frequency response: 40 - 14,000 hz nominal | •         | •         | •         | -         |
| FREQUENCY RESPONSE: 40 - 15,000 HZ NOMINAL | -         | -         | -         | •         |
| MAXIMUM POWER: 120 W                       | •         | •         | •         | -         |
| MAXIMUM POWER: 240 W                       | -         | -         | -         | •         |
| MAXIMUM POWER - RMS: 40 W                  | •         | •         | •         | -         |
| MAXIMUM POWER - RMS: 80 W                  | -         | -         | -         | •         |



**POWER1 Amplifier**  
EK-PW1-AU



POWER 1 amplifier main features

|                    |                                                                                     |
|--------------------|-------------------------------------------------------------------------------------|
|                    |  |
| Code               | EK-PW1-AU                                                                           |
| Power supply       | 10÷16 v                                                                             |
| Absorption         | 10 A                                                                                |
| Frequency response | 20 - 20.000 Hz nominal                                                              |
| Power 2 ch @ 4Ω    | 80 W x 2                                                                            |
| Power 2 ch @ 2Ω    | 100 W X 2                                                                           |
| Power 1 ch @ 4Ω    | 200 W                                                                               |
| Filter             | PB e PA 50 Hz                                                                       |



**VERTFIX**  
EK-VFX-AU





**KOLA 3M77**  
EK-3M77-AU



**COVERGLASS**  
EK-CGL-AU



**GLASSFIX**  
EK-GFX-AU



**COVERFIX**  
EK-CFX-AU



**DOUBLE INSULATED CABLE**  
EK-CV215-AU  
EK-CV225-AU





**Invisible Player DEMO**  
EK-DK1-AU



|                               |        |
|-------------------------------|--------|
| TECHNICAL SPECIFICATIONS CASE |        |
| Material                      | ABS    |
| Height                        | 150 mm |
| Width                         | 340 mm |
| Depth                         | 295 mm |
| Colour                        | Black  |

|                                |                        |
|--------------------------------|------------------------|
| TECHNICAL SPECIFICATIONS BIT 1 |                        |
| Power supply                   | 10÷16 v                |
| Absorption                     | 10÷16 v                |
| Frequency response             | 10 A                   |
| Technology                     | 20 - 20.000 Hz nominal |
| Pairing ID                     | 80 W x 2               |
| Height                         | 100 W X 2              |
| Width                          | 200 W                  |
| Length                         | PB e PA 50 Hz          |
| Weight                         | 200 W                  |
| Colour                         | PB e PA 50 Hz          |

|                                 |                        |
|---------------------------------|------------------------|
| TECHNICAL SPECIFICATIONS ALIM 1 |                        |
| Power supply                    | 90/260 VAC—120/370 VDC |
| V output                        | 12 v DC                |
| Output Ampere                   | 11,5 A                 |
| Height                          | 48 mm                  |
| Width                           | 110 mm                 |
| Length                          | 220 mm                 |
| Weight                          | 0,66 kg                |
| Colour                          | Black                  |

|                                               |                        |
|-----------------------------------------------|------------------------|
| TECHNICAL SPECIFICATIONS WALLPLAYER - DRYWALL |                        |
| Impedance                                     | 4 Ω                    |
| Frequency response                            | 40 - 14.000 Hz nominal |
| Maximum power                                 | 120 w                  |
| Maximum power - RMS                           | 40 w                   |
| Height with saucer mounted                    | 46 mm                  |
| Diameter                                      | 57 mm                  |
| Square contact plate                          | 80 mm per lato         |
| Weight                                        | 0,33 kg                |
| Colour                                        | Light bronze           |

|                                            |                        |
|--------------------------------------------|------------------------|
| TECHNICAL SPECIFICATIONS WALLPLAYER - WOOD |                        |
| Impedance                                  | 4 Ω                    |
| Frequency response                         | 40 - 14.000 Hz nominal |
| Maximum power                              | 120 w                  |
| Maximum power - RMS                        | 40 w                   |
| Height with saucer mounted                 | 46 mm                  |
| Diameter                                   | 57 mm                  |
| Square contact plate                       | 83 mm                  |
| Weight                                     | 0,31 kg                |
| Colour                                     | Orange                 |

|                                 |                        |
|---------------------------------|------------------------|
| TECHNICAL SPECIFICATIONS POWER1 |                        |
| Power supply                    | 10÷16 v                |
| Absorption                      | 10 A                   |
| Frequency response              | 20 - 20.000 Hz nominal |
| Power 2 ch @ 4Ω                 | 80 w x 2               |
| Power 2 ch @ 2Ω                 | 100 w x 2              |
| Power 1 ch @ 4Ω                 | 200 W                  |
| Filter                          | PB e PA 50 hz          |
| Height                          | 30 mm                  |
| Width                           | 80 mm                  |
| Length                          | 70 mm                  |
| Weight                          | 0,31 kg                |
| Colour                          | Anodised Silver        |



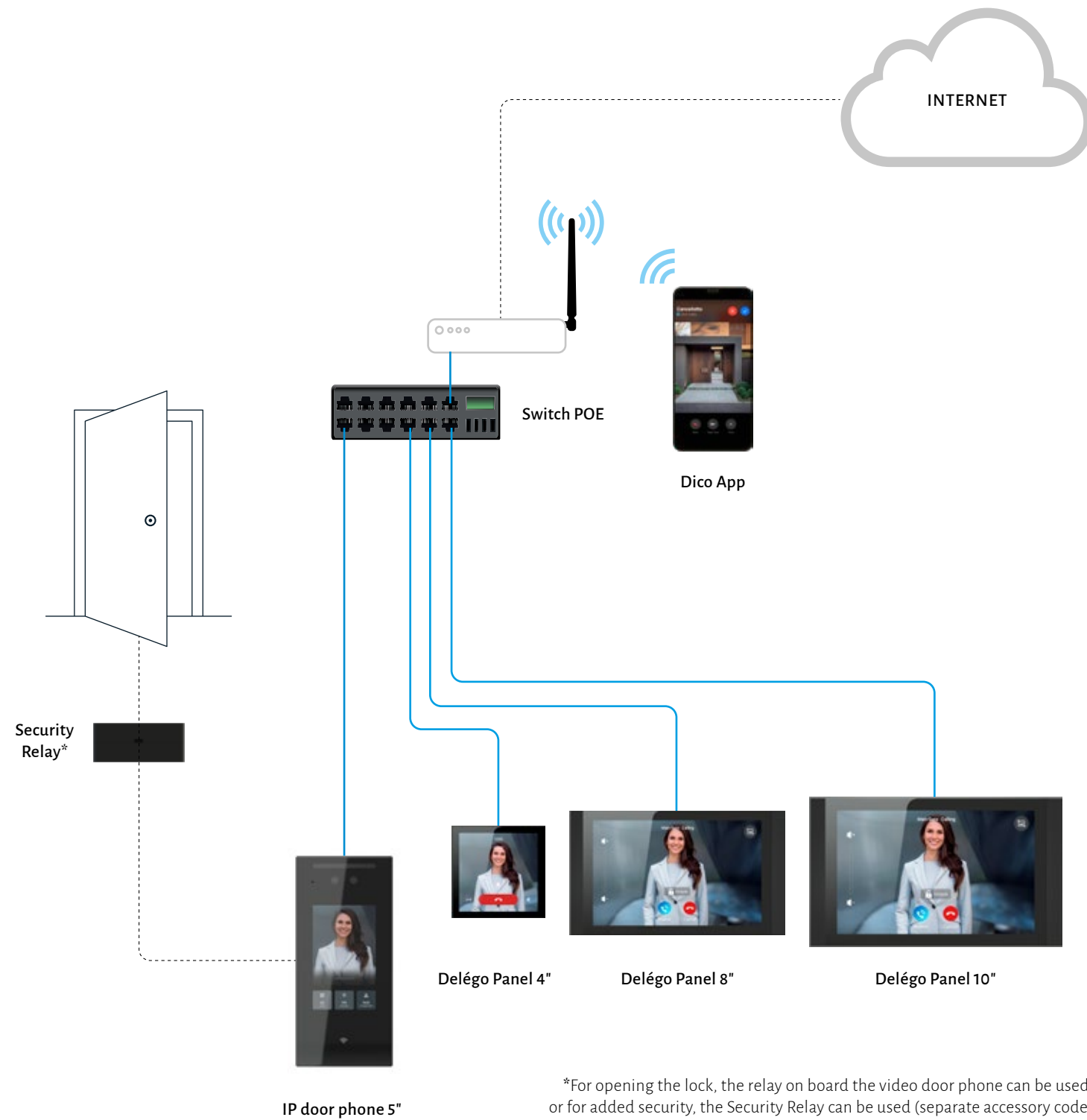
# DICO | *IP door phone*

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.

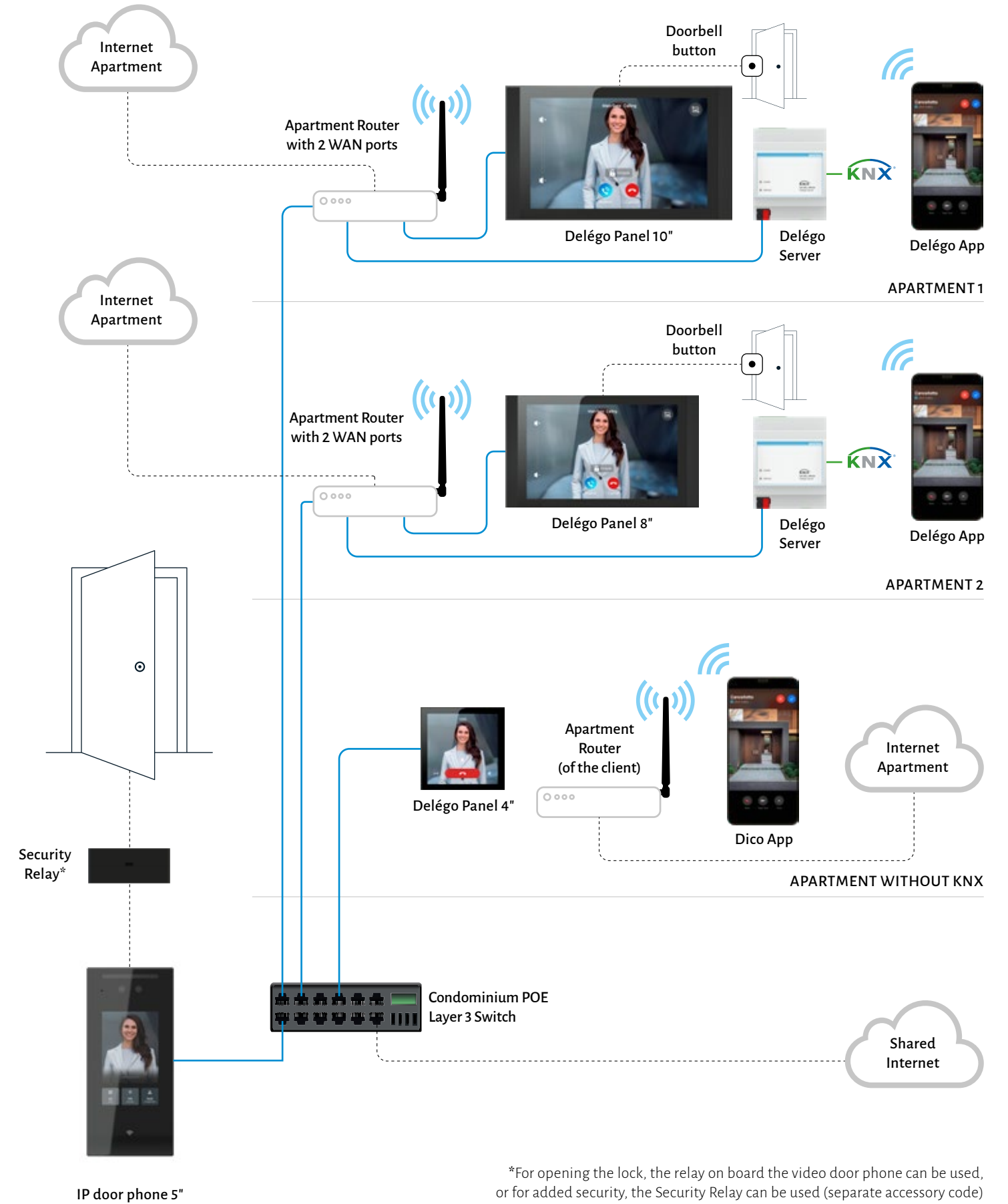
— KNX  
 — LAN  
 - - - - - Other connection

## Dico IP door phone connection diagram



— KNX  
 — LAN  
 - - - - - Other connection

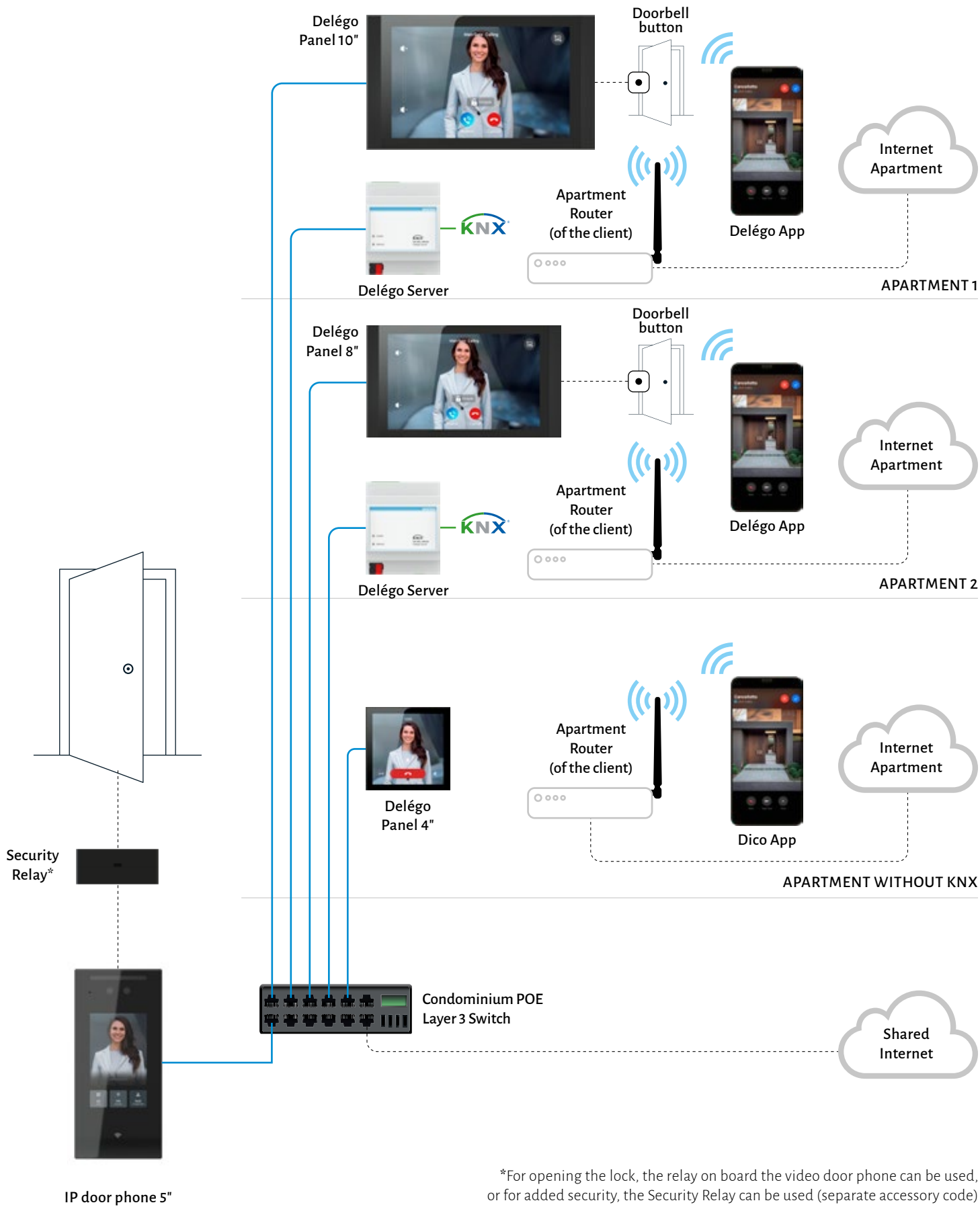
## Dico IP door phone Connection Scheme with KNX and Delégo (option 1)





— KNX  
— LAN  
- - - - - Other connection

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



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

Dico IP door phone



IP door phone  
EK-5DP-VI



Dico IP door phone main features

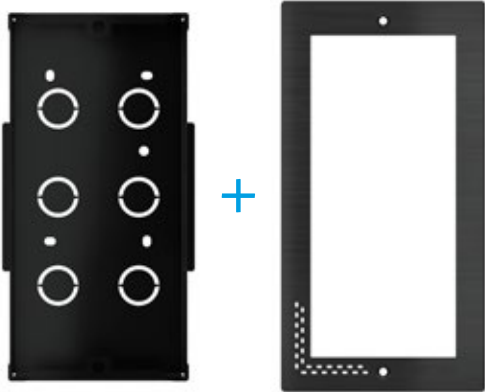


| Code                                                                                                                                          | EK-5DP-VI |
|-----------------------------------------------------------------------------------------------------------------------------------------------|-----------|
| 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 |           |

99



Dico IP door phone accessories



Box and frame (120 x 230 x 3 mm)  
for flush mounting  
EK-SIW-VI





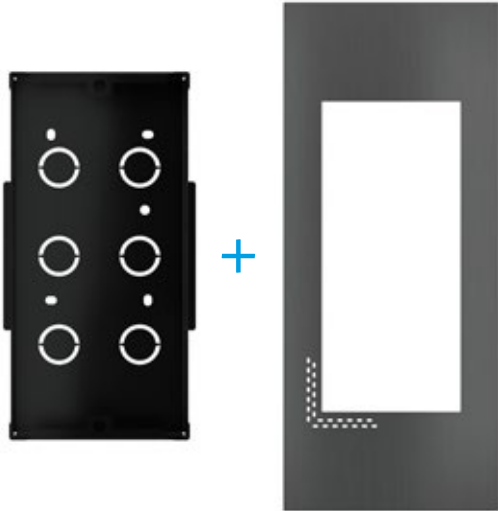
Rain cover  
EK-5RC-VI





Security Relay  
EK-SR1-VI

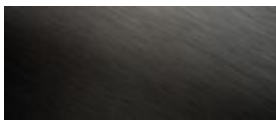




Box and frame (130 x 310 x 8 mm)  
for flush mounting

COMING  
SOON

Dico IP door phone frame configuration

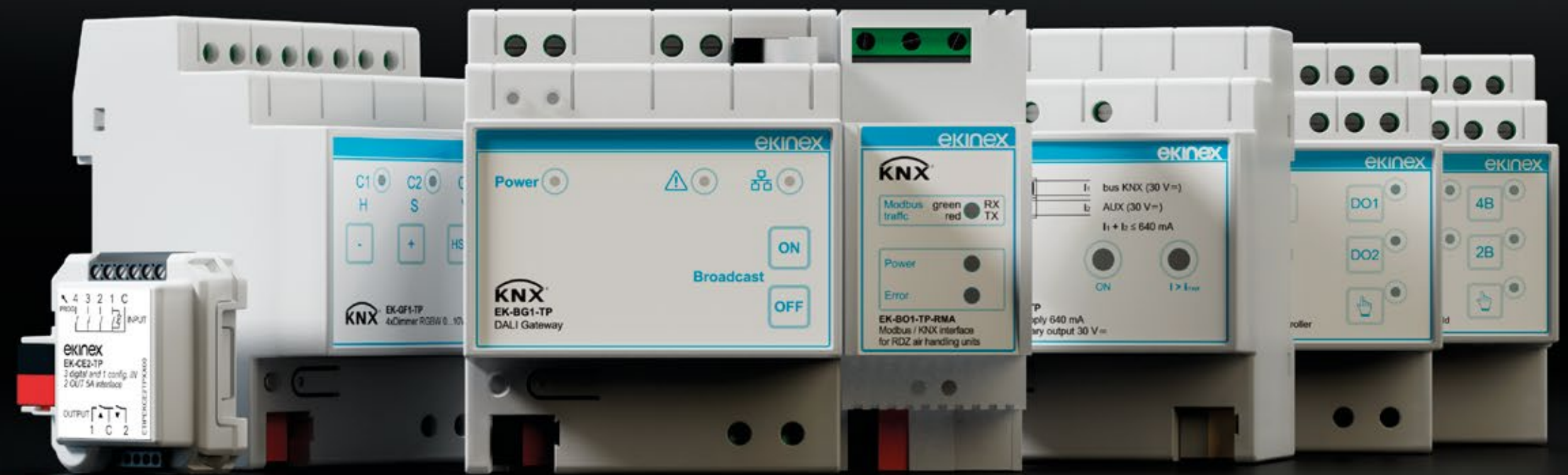
| AVAILABLE COLOURS                          |                                                                                     |                                                                                     |                                                                                  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





# DIN-RAIL MOUNT MODULES

*Moduli barra DIN*

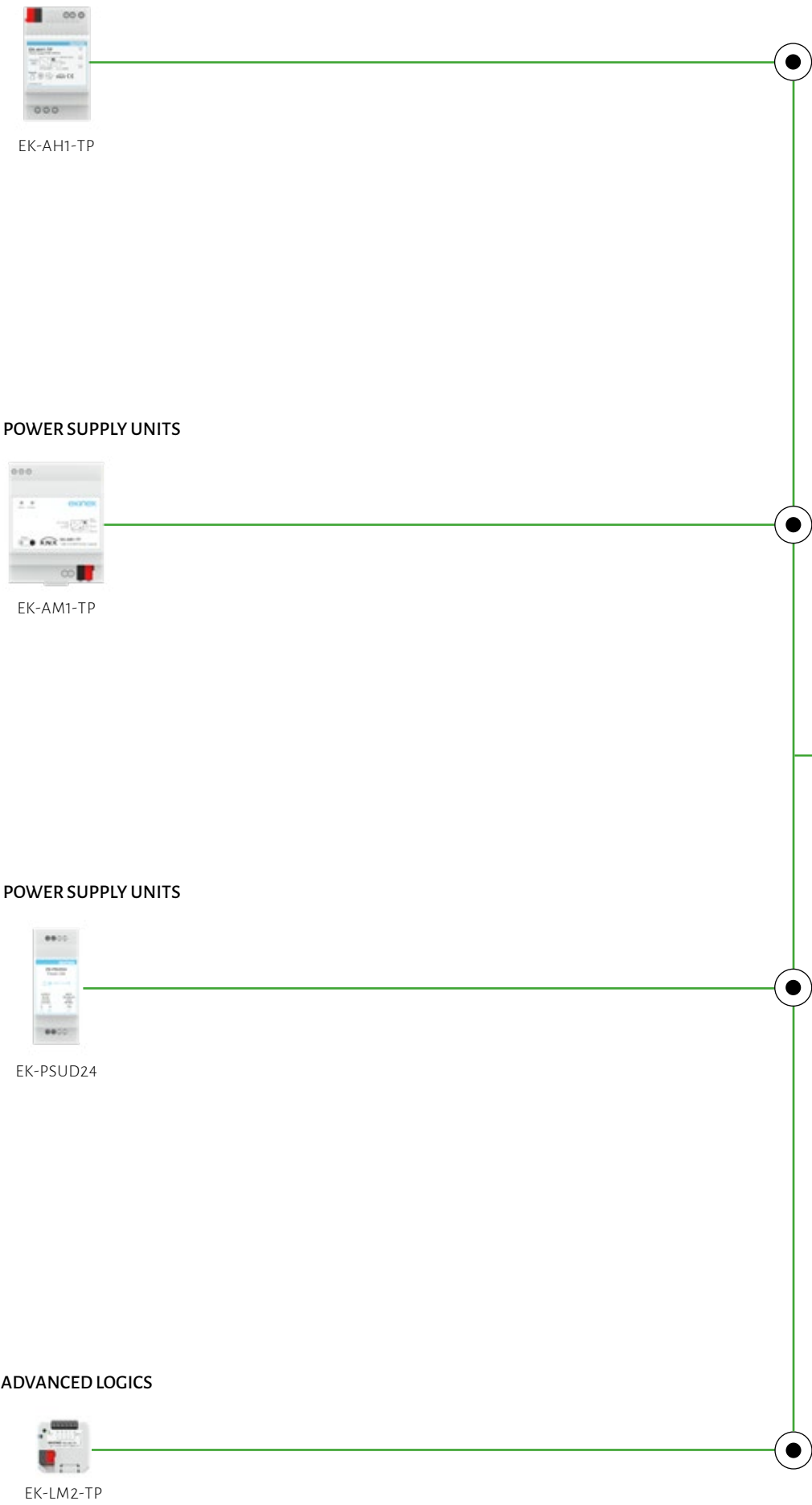


Offriamo un'ampia gamma di moduli su guida DIN basati sullo standard KNX, l'unico vero standard mondiale che consente la gestione automatizzata e decentralizzata di impianti tecnologici di ogni tipo e dimensione.

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



Power supply units



KNX bus power supply 640 mA  
EK-AH1-TP





Power Supply 1280 mA  
EK-AM1-TP





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



Power supply units main features

|                                                                             |  |  |  |
|-----------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Code                                                                        | EK-AH1-TP                                                                             | EK-AM1-TP                                                                             | EK-PSUD24                                                                             |
| Max. number of KNX devices that can be connected on the KNX bus supply line | 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                                     | -                                                                                     | -                                                                                     | •                                                                                     |

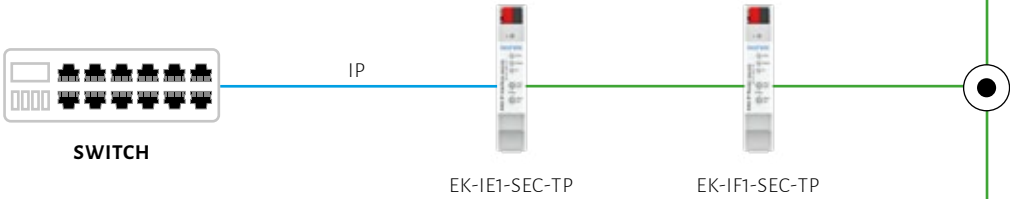


System devices connection diagram

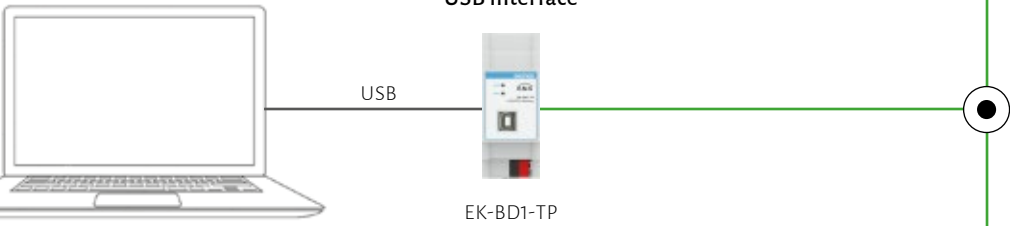
LINE/AREA COUPLER



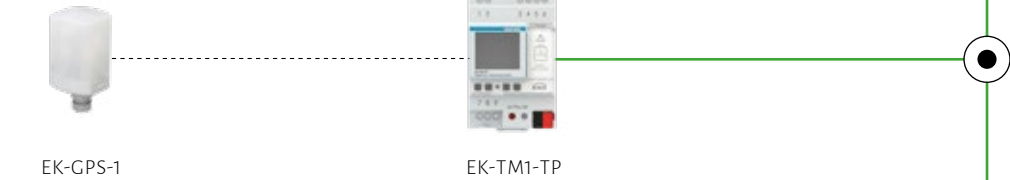
IP CONNECTION



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/astrophysical 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



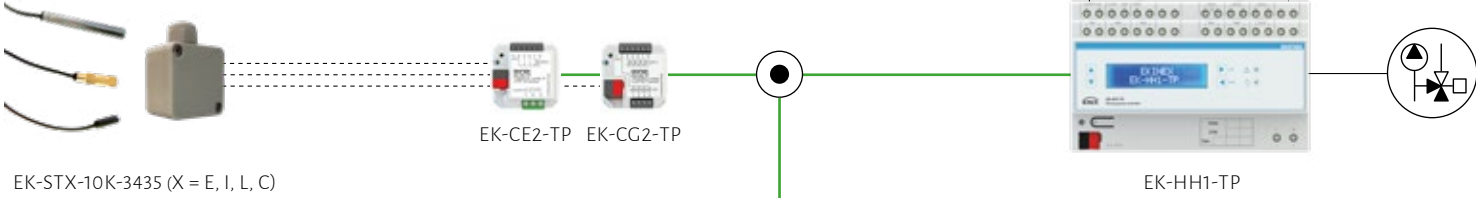
| Code                                                                                     | EK-TM1-TP | EK-BD1-TP | EK-BA1-TP | EK-IE1-SEC-TP | EK-IF1-SEC-TP |
|------------------------------------------------------------------------------------------|-----------|-----------|-----------|---------------|---------------|
| 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

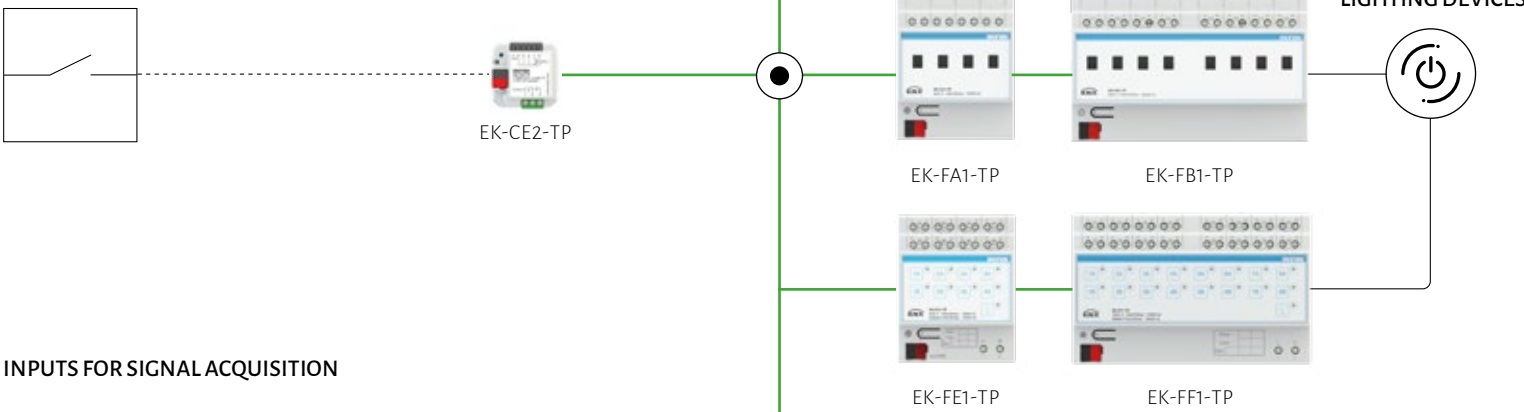
INPUTS FOR TEMPERATURE ACQUISITION

NTC Sensors



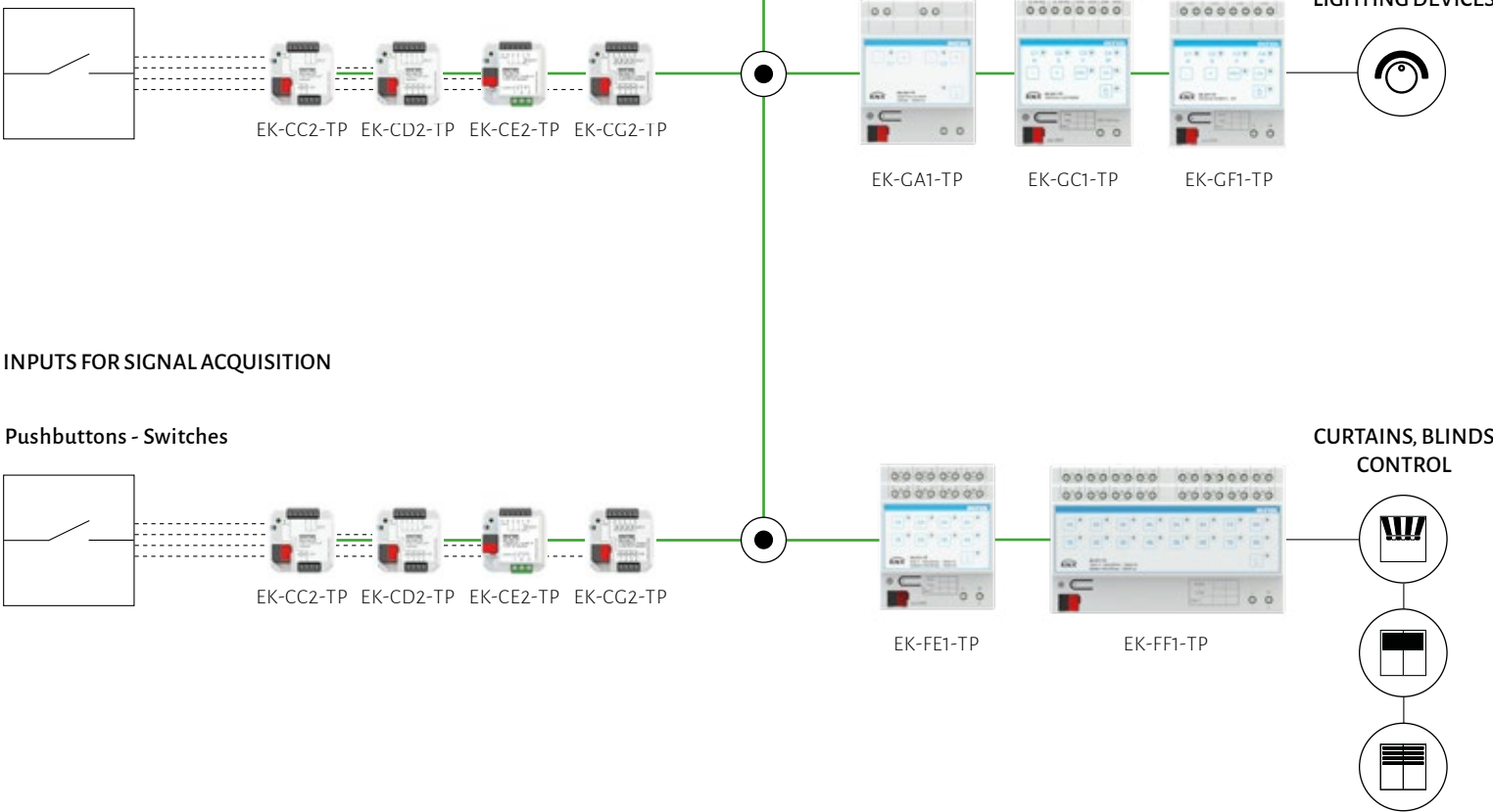
INPUTS FOR SIGNAL ACQUISITION

Pushbuttons - Switches



INPUTS FOR SIGNAL ACQUISITION

Pushbuttons - Switches

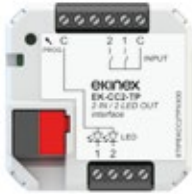


Universal interfaces



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



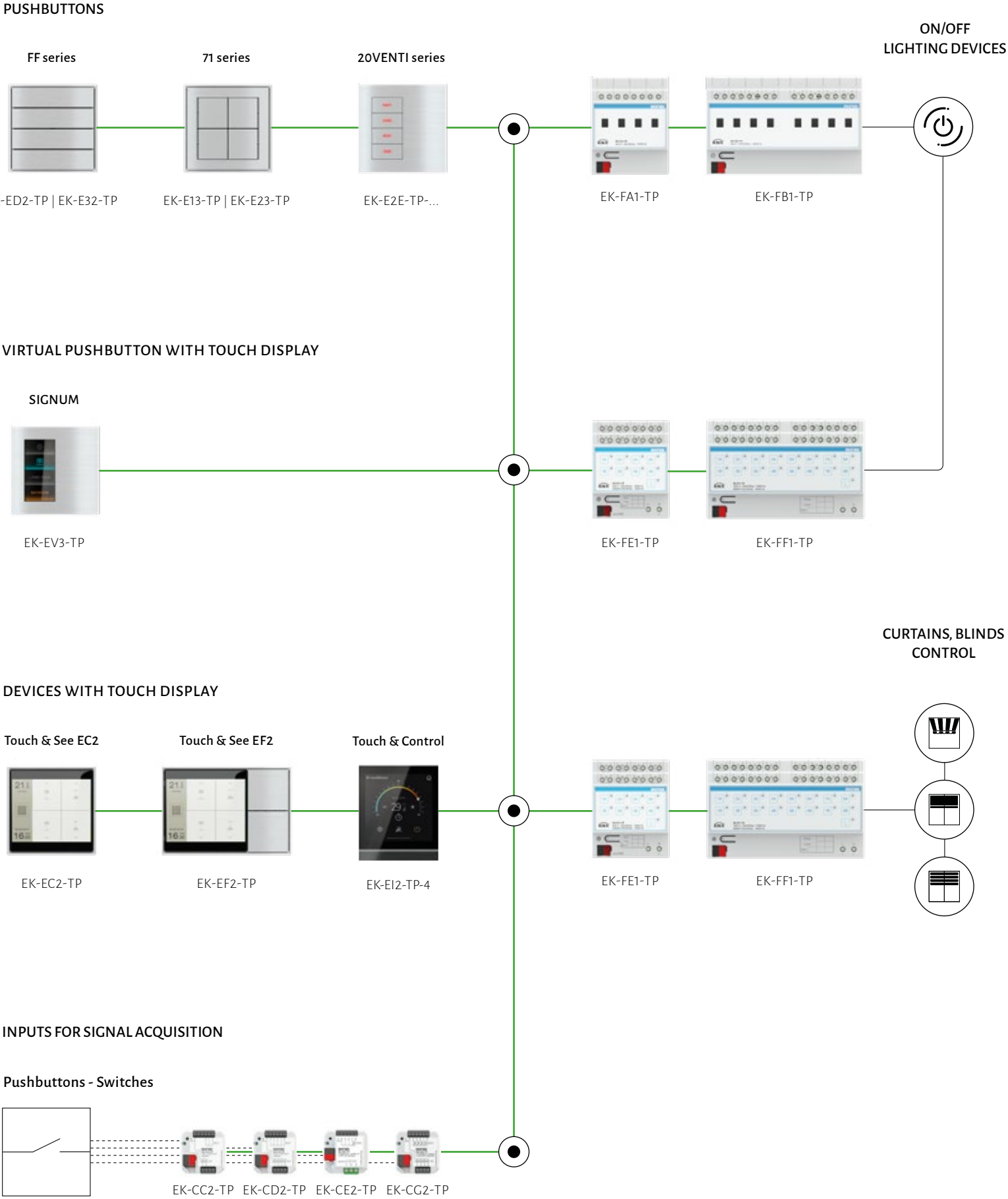
Universal interfaces main features

| 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                      | •         | •         | •         | •         | •         |

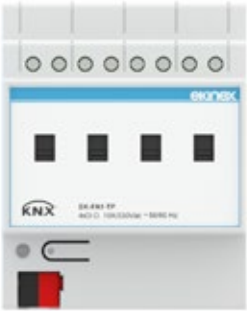


— KNX  
— Terminal devices  
- - - - - Other connection

Outputs and Actuators connection diagram

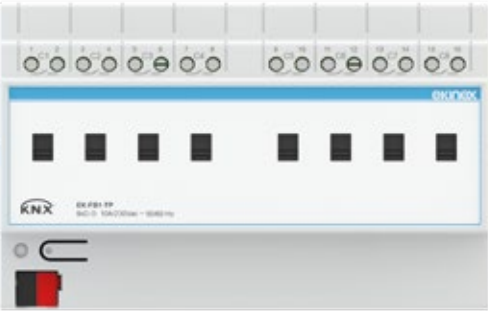


Outputs and Actuators



4-fold binary output  
EK-FA1-TP





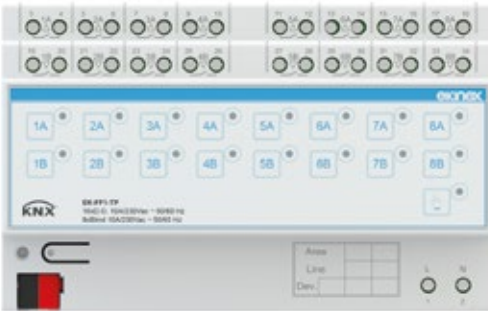
8-fold binary output  
EK-FB1-TP





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





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



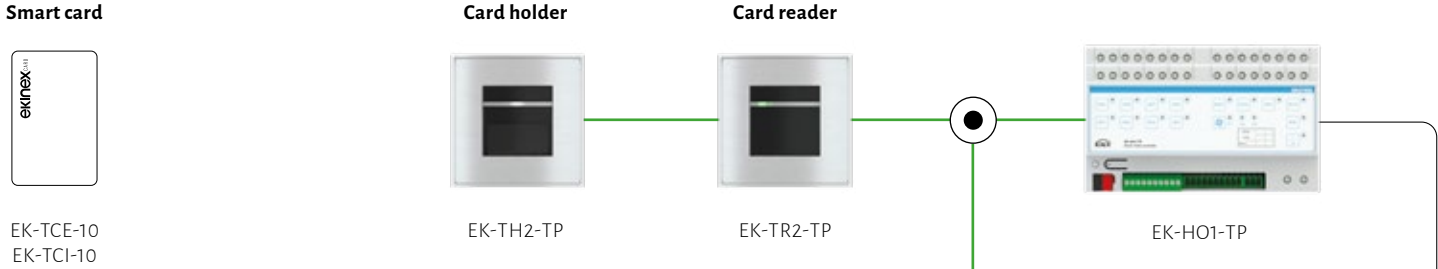
Outputs and Actuators main features

|                                                                                |  |  |  |  |
|--------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 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)                                        | •                                                                                     | •                                                                                     | •                                                                                     | •                                                                                     |

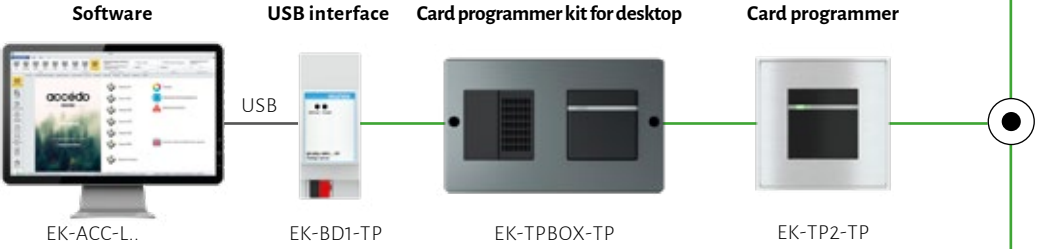
- KNX
- IP
- USB
- Terminal devices
- Other connection

Input/output modules connection diagram

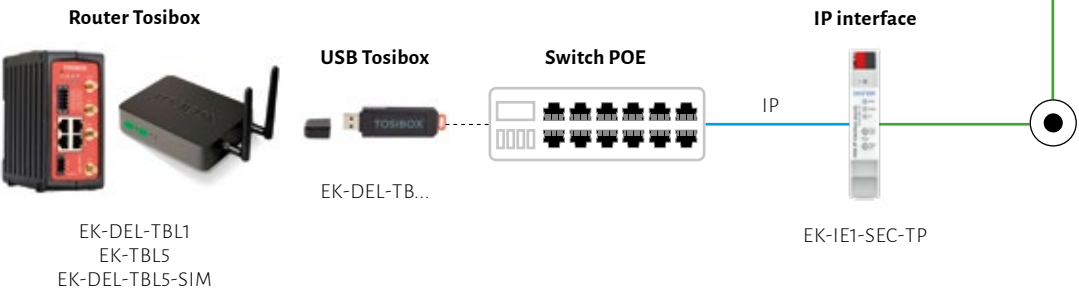
CARD READER AND HOLDER



ACCÉDO SOFTWARE AND CARD PROGRAMMING DEVICES

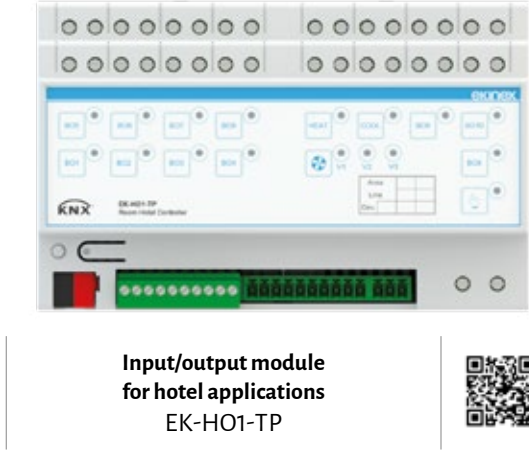


REMOTE ASSISTANCE AND VISUALISATION



- 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



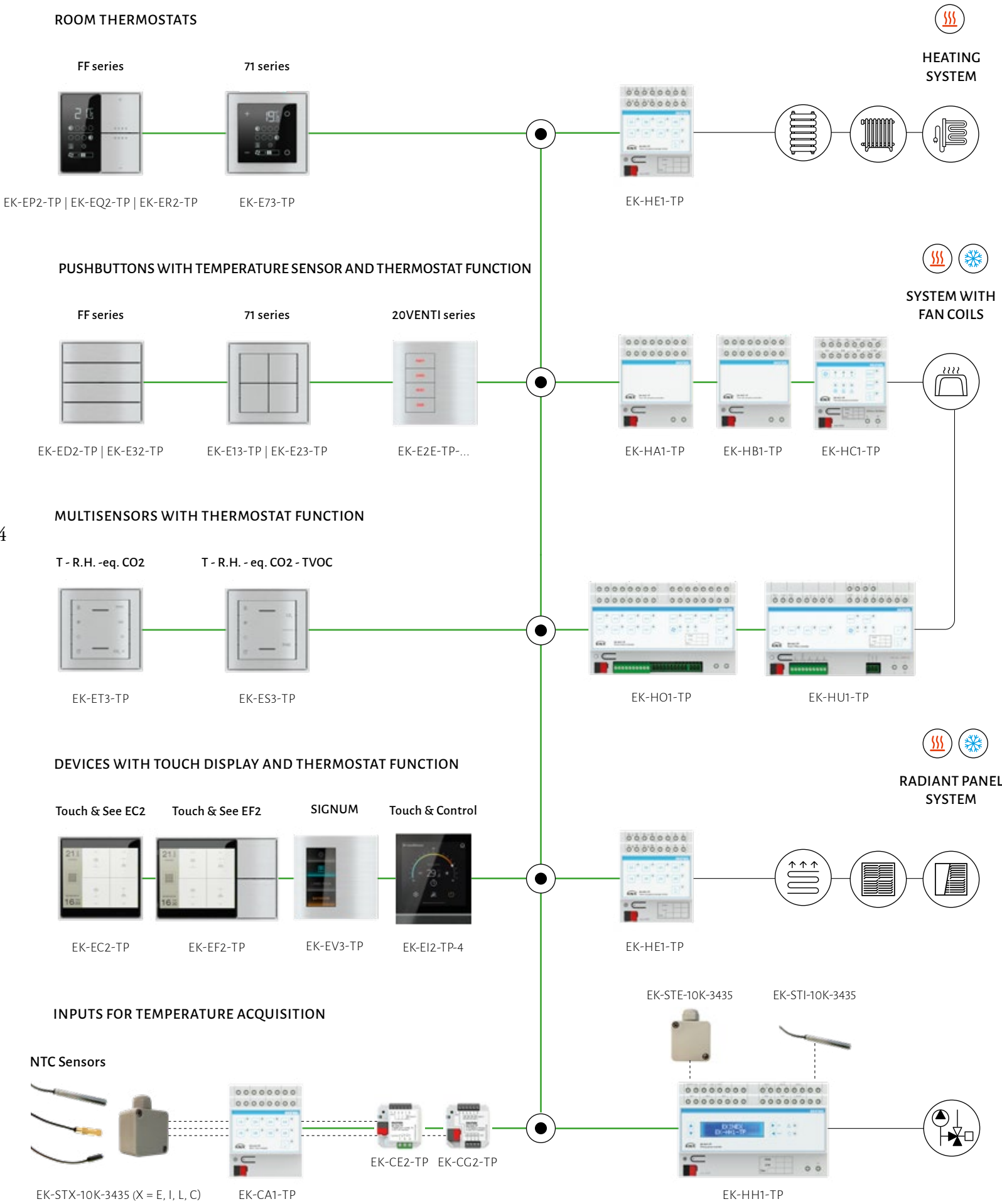
Input/output modules main features

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



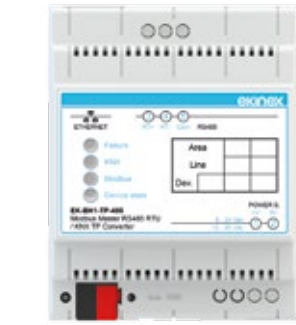
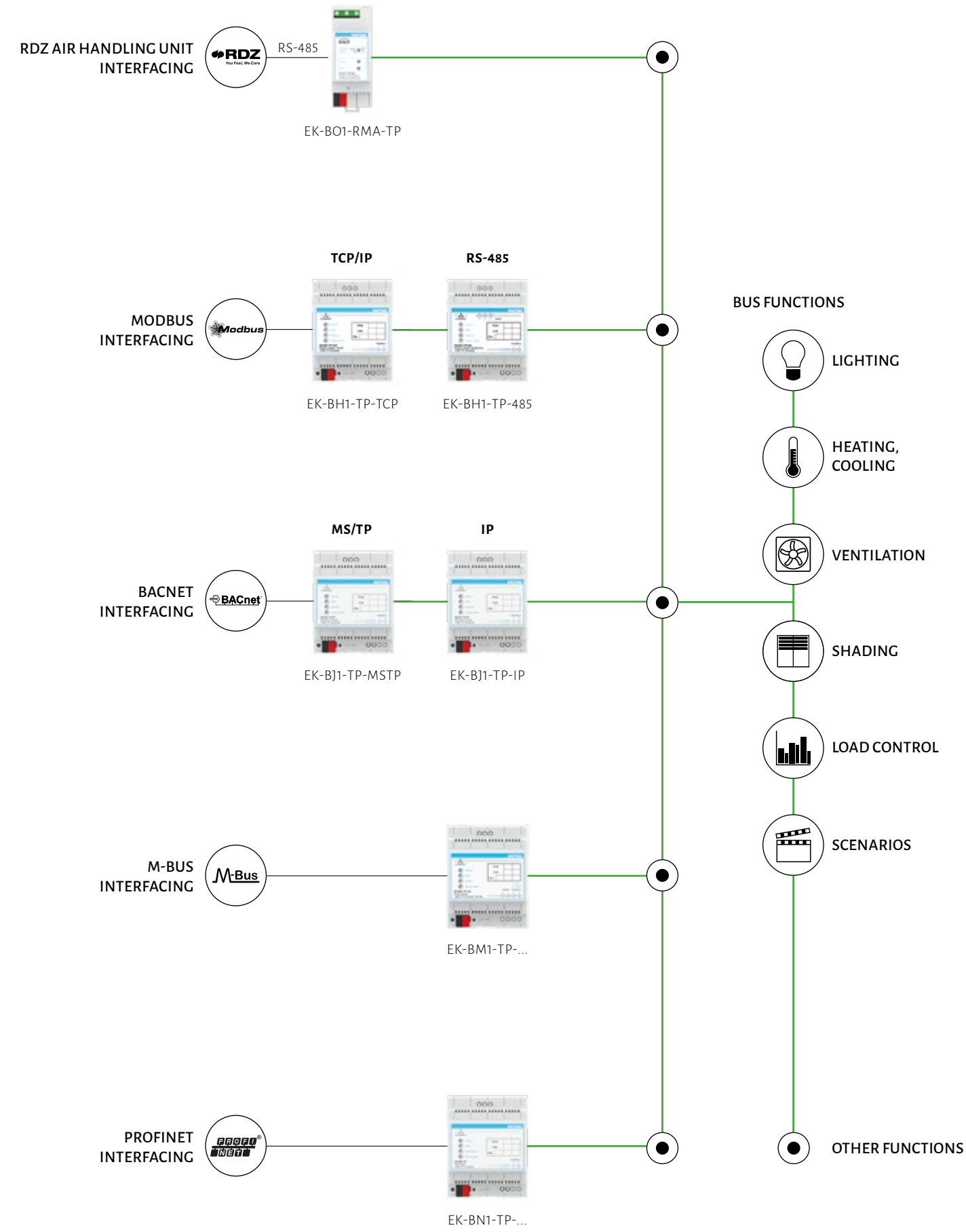
Thermal regulation main features

| 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)                        | •         | •         | •         | •         | •         |

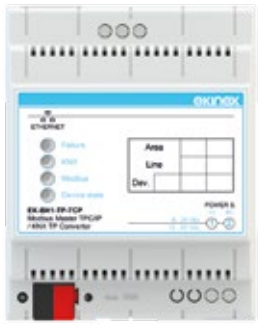
KNX  
Terminal devices

Gateway connection diagram

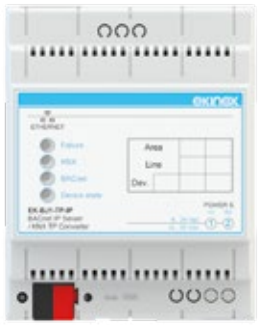
Gateway



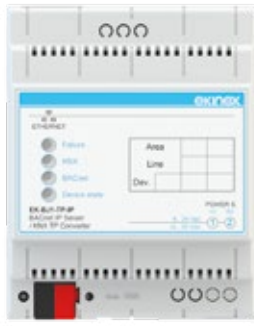
Modbus RS485 master  
KNX Gateway  
EK-BH1-TP-485



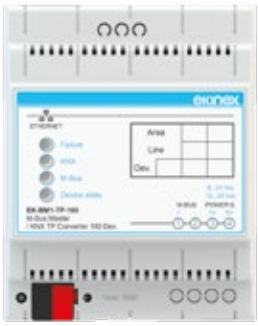
Gateway Modbus TCP/IP  
master - KNX  
EK-BH1-TP-TCP



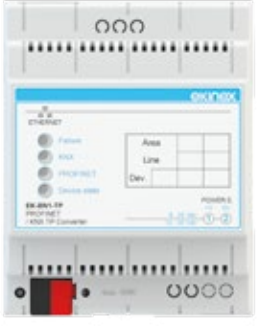
Gateway BACnet IP  
server - KNX  
EK-BJ1-TP-IP



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)                   | •                                                                                 | •                                                                                 | •                                                                                  | •                                                                                   | •                                                                                   | •                                                                                   |

VRF control interface with KNX communication



VRF control interface with KNX communication  
EK-AI6-TP-XXX



Main features VRF control interface with KNX communication

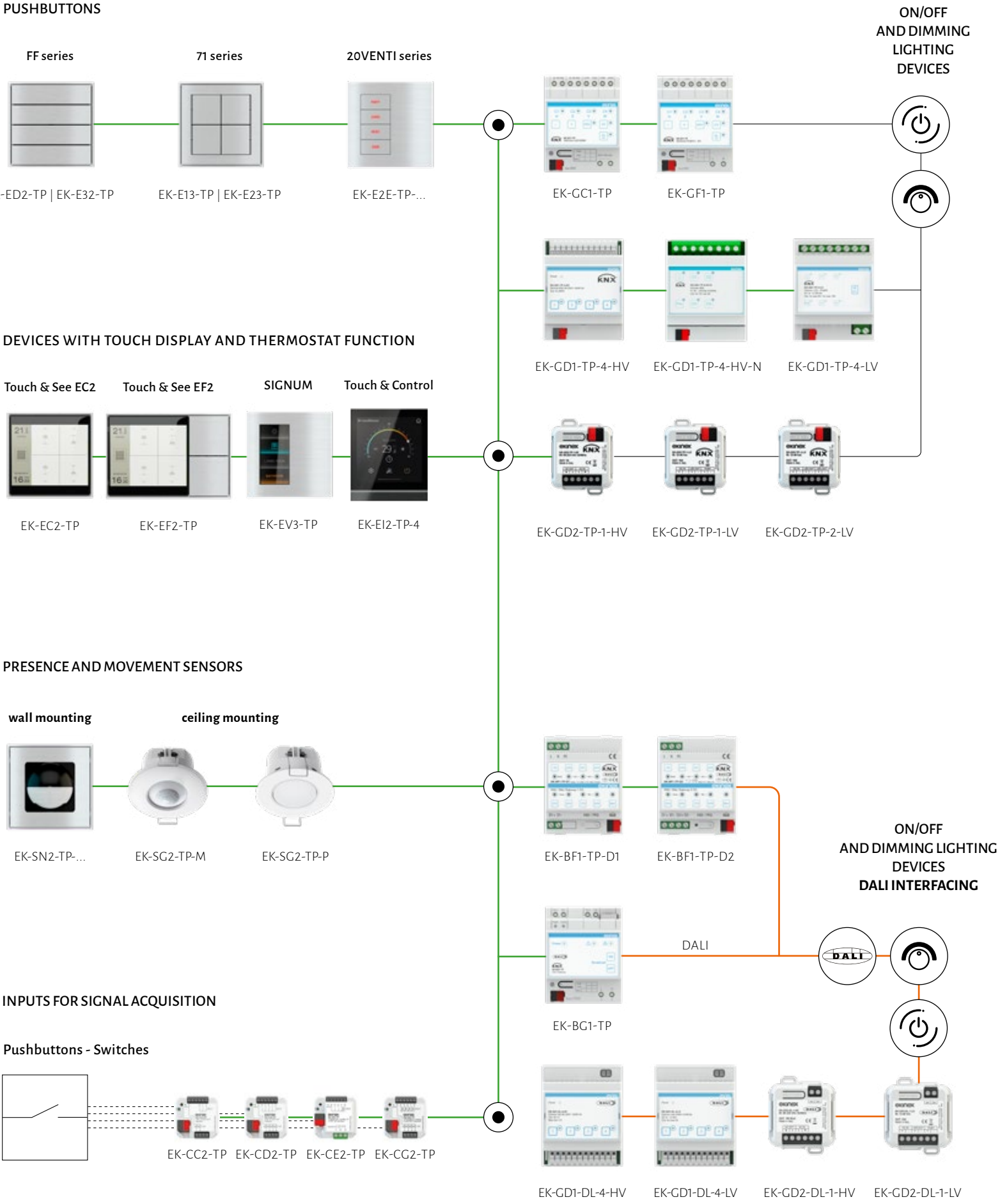


|                                   |               |
|-----------------------------------|---------------|
| Code                              | EK-AI6-TP-XXX |
| 30 Vdc power supply from KNX bus  | •             |
| ON/OFF function                   | •             |
| Mode (Cool, Heat, Auto, Dry, Fan) | •             |
| Ventilation speed                 | •             |
| Temperature setpoint              | •             |
| Ambient temperature feedback      | •             |
| Diagnostics                       | •             |
| Consumption monitoring            | •             |
| Signal LEDs                       | •             |
| 3 configurable digital inputs     | •             |

Supported manufacturers: Daikin, Mitsubishi, Samsung, Panasonic, Toshiba, LG and others.

— 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 90-230V-50/60Hz 4-channel dimmer with common neutral**  
EK-GD1-TP-4-HV-N



KNX Actuators and Dimmers high voltage main features

| Code                                                 | EK-GD1-TP-4-HV-N | 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             | 1A             |
| Comfort switching on and off                         | •                | •              | •              |
| Timed lights and staircase function                  | •                | •              | •              |
| Control range 1-100%                                 | •                | •              | •              |
| 35 mm standard rail mounting (EN 60715)              | •                | •              | •*             |
| Slots for screw installation                         | -                | -              | •              |
| Advanced scene management                            | •                | •              | •              |
| Function hour counter                                | •                | •              | •              |
| Alarm for short circuit, open load and power failure | •                | •              | •              |

\*adapter in the package required



KNX Dimmer low voltage



**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

high voltage

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

\*adapter in the package required

low voltage

|                                                                    |  |  |  |
|--------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Code                                                               | EK-GD2-DL-1-LV                                                                        | EK-GD2-DL-2-LV                                                                        | EK-GD1-DL-4-LV                                                                        |
| Light intensity adjustment                                         | •                                                                                     | •                                                                                     | •                                                                                     |
| Manual operation via membrane buttons                              | •                                                                                     | -                                                                                     | -                                                                                     |
| Independent channels                                               | 1                                                                                     | 2                                                                                     | 4                                                                                     |
| Max. current in outputs per channel                                | 6Amp                                                                                  | 6Amp                                                                                  | 6Amp                                                                                  |
| Comfort switching on and off                                       | •                                                                                     | •                                                                                     | •                                                                                     |
| Timed lights and staircase function                                | •                                                                                     | •                                                                                     | •                                                                                     |
| Control in tunable white colour temperature mode                   | •                                                                                     | •                                                                                     | -                                                                                     |
| Control in RGBW/HSV mode                                           | •                                                                                     | -                                                                                     | -                                                                                     |
| Maximum PWM frequency                                              | 3000Hz                                                                                | 3000Hz                                                                                | 3000Hz                                                                                |
| Terminals 0.5 - 4.0mm² (solid core) / 0.5 - 2.5mm² finely stranded | •                                                                                     | •                                                                                     | •                                                                                     |
| Overvoltage and short-circuit protection                           | •                                                                                     | •                                                                                     | •                                                                                     |
| Power supply range                                                 | 12-48Vdc                                                                              | 12-48Vdc                                                                              | 12-48Vdc                                                                              |
| Energy-saving function with dedicated relay                        | •                                                                                     | -                                                                                     | -                                                                                     |
| Standard rail mounting 35 mm (EN 60715)                            | •                                                                                     | *                                                                                     | *                                                                                     |

DALI-KNX Gateway



**DALI-KNX Gateway**  
EK-BG1-TP





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





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

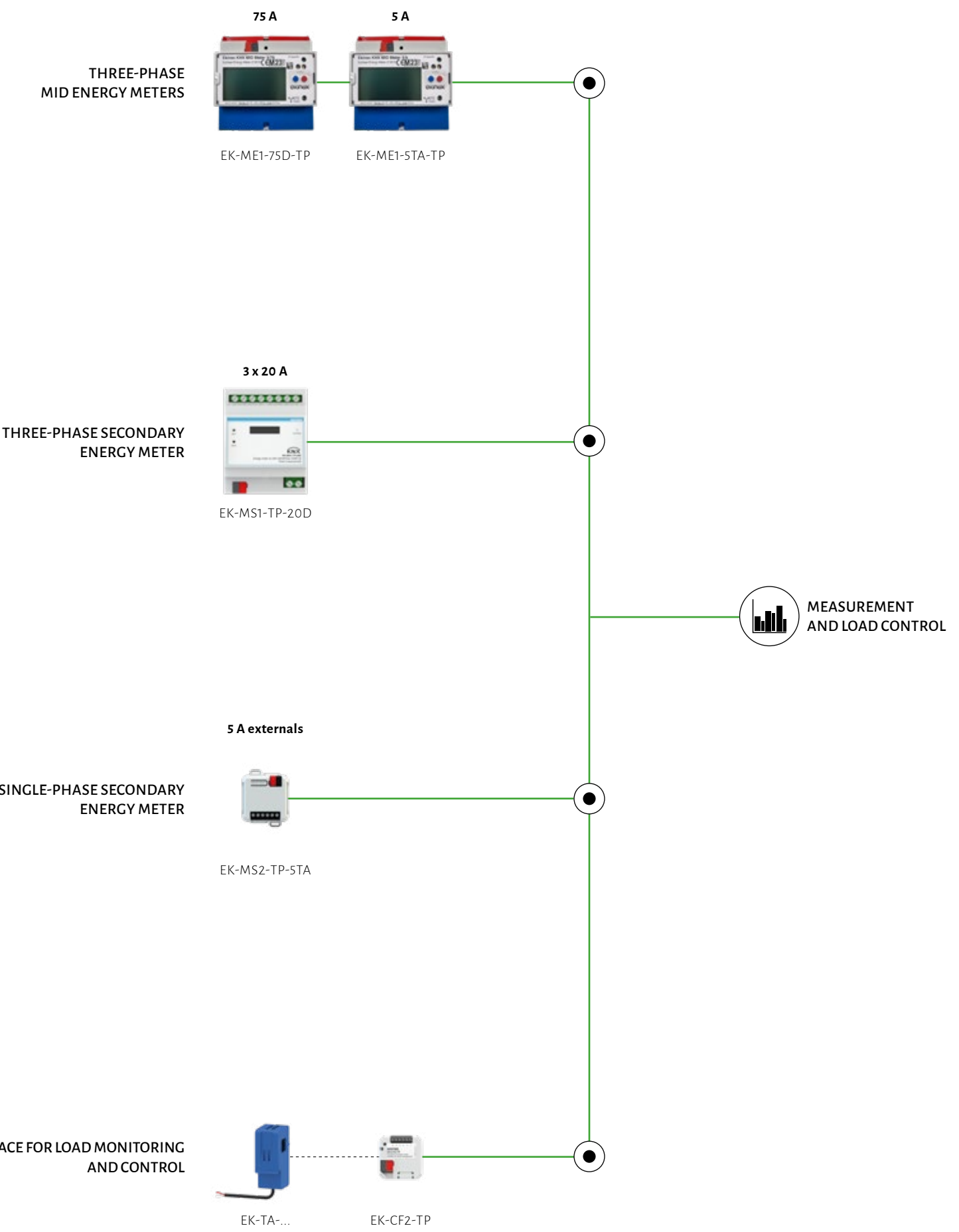


DALI-KNX Gateway main features

| 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-MS2-TP-5TA

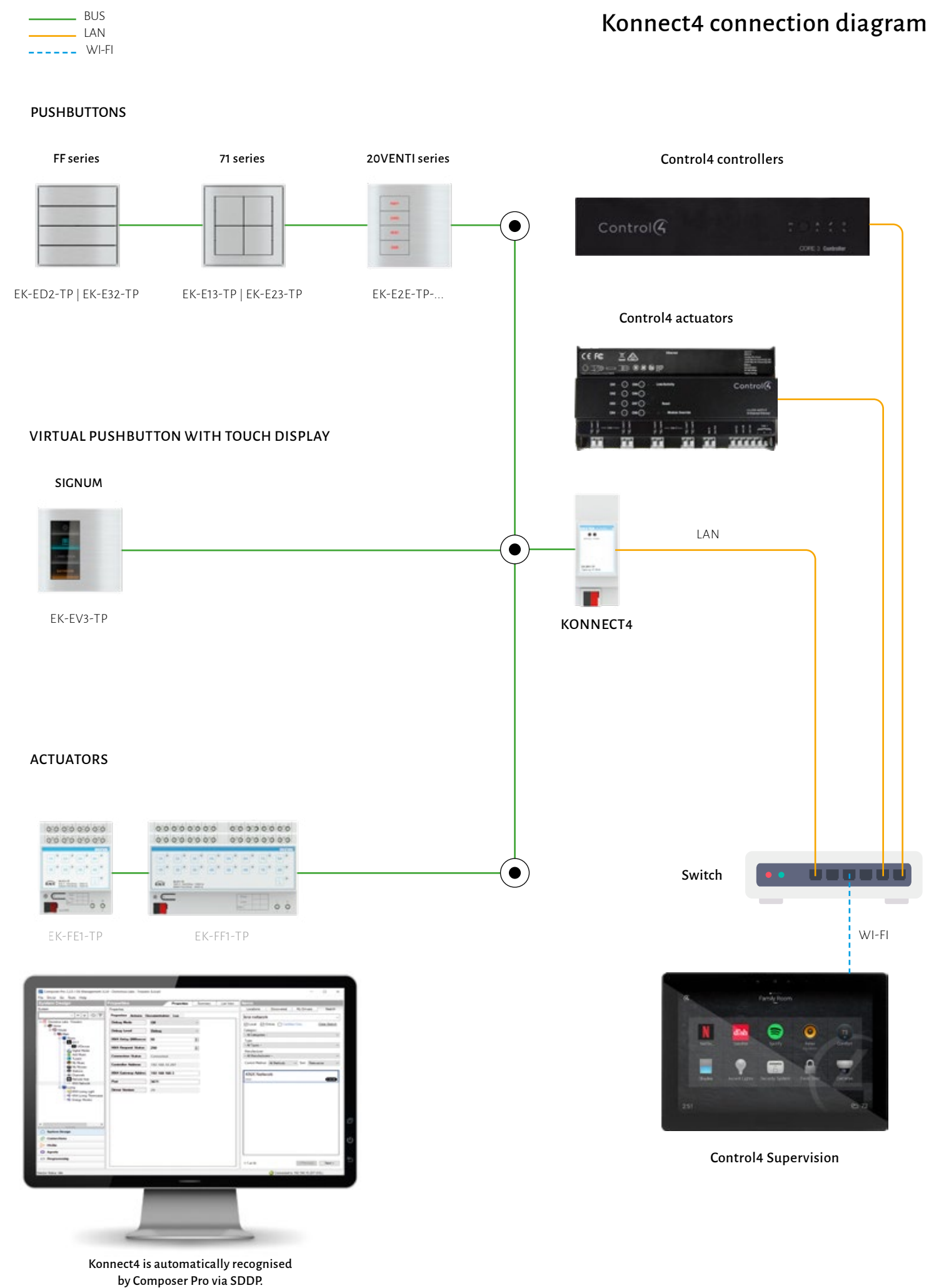
COMING SOON



Interface for load monitoring and control  
EK-CF2-TP



|                                                                       |      |               |               |               |           |
|-----------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|---------------|---------------|-----------|
| Code                                                                  | EK-MS1-TP-20D                                                                                                                                                                                                                                                                                                                                                                                                                       | EK-MS2-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 SO outputs for re-emitting energy pulses                            | -                                                                                                                                                                                                                                                                                                                                                                                                                                   | -             | •             | •             | -         |
| Configurable digital outputs                                          | -                                                                                                                                                                                                                                                                                                                                                                                                                                   | -             | •             | •             | -         |
| Average values of active and reactive powers can be recorded          | •                                                                                                                                                                                                                                                                                                                                                                                                                                   | •             | -             | -             | -         |
| LCD display                                                           | -                                                                                                                                                                                                                                                                                                                                                                                                                                   | -             | •             | •             | -         |
| OLED display                                                          | •                                                                                                                                                                                                                                                                                                                                                                                                                                   | -             | -             | -             | -         |
| Sealable terminal cover                                               | -                                                                                                                                                                                                                                                                                                                                                                                                                                   | -             | •             | •             | -         |
| MID certificate                                                       | -                                                                                                                                                                                                                                                                                                                                                                                                                                   | -             | •             | •             | -         |
| Modbus RTU (8N1) and ASCII (7E2) protocols                            | •                                                                                                                                                                                                                                                                                                                                                                                                                                   | -             | -             | -             | -         |
| RS485 port                                                            | •                                                                                                                                                                                                                                                                                                                                                                                                                                   | -             | -             | -             | -         |
| Communication speed 300 to 115200 bps                                 | •                                                                                                                                                                                                                                                                                                                                                                                                                                   | -             | -             | -             | -         |
| Serial communication via optical port                                 | •                                                                                                                                                                                                                                                                                                                                                                                                                                   | •             | -             | -             | -         |
| KNX protocol                                                          | •                                                                                                                                                                                                                                                                                                                                                                                                                                   | •             | •             | •             | •         |
| Communication speed 9600 bps                                          | •                                                                                                                                                                                                                                                                                                                                                                                                                                   | •             | •             | •             | •         |
| 35 mm standard rail mounting (EN 60715)                               | •                                                                                                                                                                                                                                                                                                                                                                                                                                   | •             | •             | •             | -         |
| Mounting on standard 35 mm guide rail (EN 60715) via holder EK-SMG-35 | -                                                                                                                                                                                                                                                                                                                                                                                                                                   | •             | -             | -             | •         |
| Current measurement for load control with priority disconnection      | -                                                                                                                                                                                                                                                                                                                                                                                                                                   | -             | -             | -             | •         |



Konnect4 main features

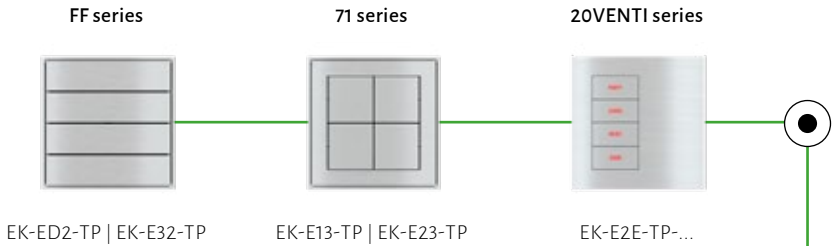
| Code                                                                                                         | EK-BR1-TP               |
|--------------------------------------------------------------------------------------------------------------|-------------------------|
| Power supply                                                                                                 | 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 |                         |



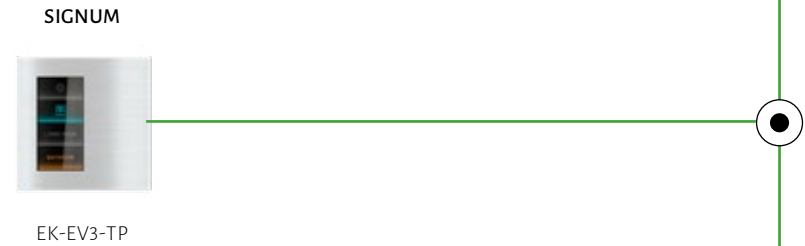


— KNX  
— 230 Vac  
— Mod-BUS  
- - - - - Other connection

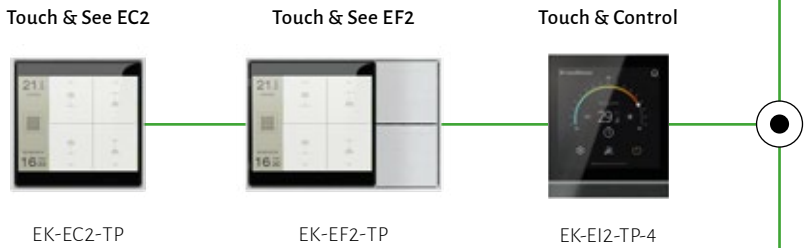
PUSHBUTTONS



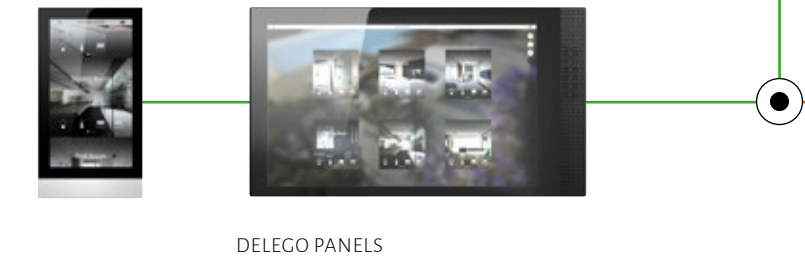
VIRTUAL PUSHBUTTON WITH TOUCH DISPLAY



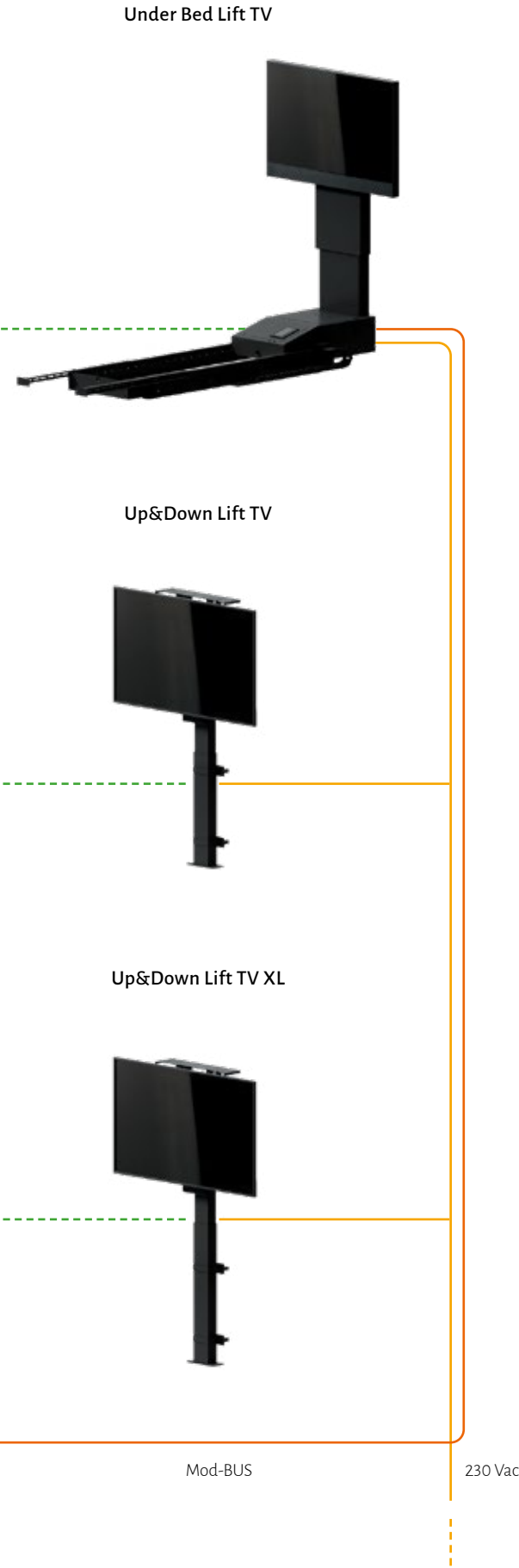
DEVICES WITH TOUCH DISPLAY



DELEGO SUPERVISION



Revélo Lift TV connection diagram



Revélo Lift TV



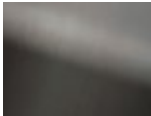
Revélo Lift TV main features

| 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

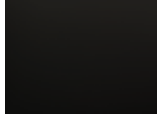
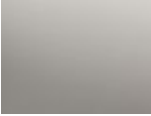
## Metal HT (customisation of texts/symbols with laser marking)

|                                                                                   |                                                                                   |                                                                                   |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
|  |  |  |
| <b>CRO</b> Chrome                                                                 | <b>CBM</b> Black Metal                                                            | <b>CHA</b> Champagne                                                              |
| <b>Plates</b><br>Signum<br>20VENTI<br>71 Deep and Surface                         | <b>Plates</b><br>Signum<br>20VENTI<br>71 Deep and Surface                         | <b>Plates</b><br>Signum<br>20VENTI<br>71 Deep and Surface                         |
| <b>Rockers</b><br>FF<br>71                                                        | <b>Rockers</b><br>FF<br>71                                                        | <b>Rockers</b><br>FF<br>71                                                        |

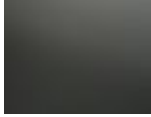
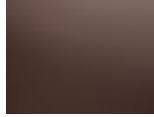
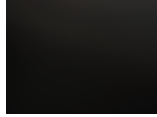
## Metal (customisation of texts/symbols with laser marking)

|                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
|  |  |  |  |  |
| <b>GBQ</b> Aluminium Brushed                                                      | <b>GBR</b> Nickel Brushed                                                         | <b>GBS</b> Titan Brushed                                                          | <b>GBU</b> Carbon Brushed                                                         | <b>GBB</b> Brass Brushed                                                          |
| <b>Frames</b><br>FF-71 Form<br>FF-71 Flank                                        | <b>Frames</b><br>FF-71 Form<br>FF-71 Flank                                        | <b>Frames</b><br>FF-71 Form<br>FF-71 Flank                                        | <b>Frames</b><br>FF-71 Form<br>FF-71 Flank                                        | <b>Frames</b><br>FF-71 Form<br>FF-71 Flank                                        |
| <b>Plates</b><br>Signum<br>20VENTI<br>71                                          | <b>Plates</b><br>Signum<br>20VENTI<br>71                                          | <b>Plates</b><br>Signum<br>20VENTI<br>71                                          | <b>Plates</b><br>Signum<br>20VENTI<br>71                                          | <b>Plates</b><br>Signum<br>20VENTI<br>71                                          |
| <b>Rockers</b><br>FF<br>71                                                        | <b>Rockers</b><br>FF<br>71                                                        | <b>Rockers</b><br>FF<br>71                                                        | <b>Rockers</b><br>FF<br>71                                                        | <b>Rockers</b><br>FF<br>71                                                        |

## Plastic (customisation of texts/symbols with UV printing)

|                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |  |  |  |
| <b>GAA</b> White                                                                    | <b>GAR</b> Pure White RAL 9016                                                      | <b>GAE</b> Intense Black RAL 9005                                                   | <b>GAC</b> Silver                                                                   |
| <b>Frames</b><br>FF-71 Form<br>FF-71 Flank                                          | <b>Frames</b><br>FF-71 Form<br>FF-71 Flank                                          | <b>Frames</b><br>FF-71 Form<br>FF-71 Flank                                          | <b>Frames</b><br>FF-71 Form<br>FF-71 Flank                                          |
| <b>Plates</b><br>20VENTI Deep<br>71 *NF and Deep                                    | <b>Plates</b><br>20VENTI Deep<br>71 *NF and Deep                                    | <b>Plates</b><br>20VENTI Deep<br>71 *NF and Deep                                    | <b>Plates</b><br>20VENTI Deep<br>71 *NF and Deep                                    |
| <b>Rockers</b><br>20VENTI<br>FF                                                     | <b>Rockers</b><br>20VENTI<br>FF                                                     | <b>Rockers</b><br>20VENTI<br>FF                                                     | <b>Rockers</b><br>20VENTI<br>FF                                                     |

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

|                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                      |                                                                                       |                                                                                       |                                                                                       |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  |  |  |  |  |  |  |  |  |
| <b>FBM</b> White Malè                                                               | <b>FBL</b> Beige Luxor                                                              | <b>FCO</b> Castoro Ottawa                                                           | <b>FGE</b> Grey Efeso                                                               | <b>FGL</b> Grey London                                                              | <b>FCB</b> Grey Bromine                                                              | <b>FVC</b> Green Commodore                                                            | <b>FCC</b> Cocoa Orinoco                                                              | <b>FNI</b> Black Ingo                                                                 |
| <b>Plates</b><br>Signum<br>20VENTI<br>71                                            | <b>Plates</b><br>Signum<br>20VENTI<br>71                                            | <b>Plates</b><br>Signum<br>20VENTI<br>71                                            | <b>Plates</b><br>Signum<br>20VENTI<br>71                                            | <b>Plates</b><br>Signum<br>20VENTI<br>71                                            | <b>Plates</b><br>Signum<br>20VENTI<br>71                                             | <b>Plates</b><br>Signum<br>20VENTI<br>71                                              | <b>Plates</b><br>Signum<br>20VENTI<br>71                                              | <b>Plates</b><br>Signum<br>20VENTI<br>71                                              |
| <b>Rockers</b><br>FF<br>71                                                          | <b>Rockers</b><br>FF<br>71                                                          | <b>Rockers</b><br>FF<br>71                                                          | <b>Rockers</b><br>FF<br>71                                                          | <b>Rockers</b><br>FF<br>71                                                          | <b>Rockers</b><br>FF<br>71                                                           | <b>Rockers</b><br>FF<br>71                                                            | <b>Rockers</b><br>FF<br>71                                                            | <b>Rockers</b><br>FF<br>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).

## Summary

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Who We Are TECH - December 2024

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Credits

|                      |                                                                                                                                                                                                                              |
|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Creative direction   | Marketing & Communication Ekinex                                                                                                                                                                                             |
| Graphic design       | Marketing & Communication Ekinex                                                                                                                                                                                             |
|                      |                                                                                                                                                                                                                              |
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|                      |                                                                                                                                                                                                                              |
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|                      |                                                                                                                                                                                                                              |
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