

ekinex

control your living space

The house is a machine for living.

Le Corbusier, Toward an Architecture, 1923

ekinex is a  sbs brand

ekinex



we believe

in the technology that makes life easier.
We build devices that make simpler gestures of everyday life.

Our scenario is the world: homes, offices, public buildings, schools, hospitals, industries.

Our concept of home automation is supported and made possible by the KNX standard, which allows the decentralized and automated management of technological systems of all types and sizes.

we increase comfort

we reduce energy consumption

we raise the long-term value of a building

we coordinate systems

we manage safety



Made in Italy

The products of the ekinex® line are developed and produced in Italy.

Thanks to a qualified and competent team, SBS has created a product that embodies the essence of Made in Italy design, attention to detail, cutting-edge technology and innovation.

Designed for a global market, the ekinex® products are the expression of the new Italian tradition that combines attention to craftsmanship in the manufacture of the product and high levels of technology.

ekinex® promotes the idea of an Italian design that is not a mere aesthetic exercise, but includes, as basic elements, user friendliness, immediate understanding of the function and balanced and intelligent application of technology.

KNX: the heart of the system.

Great developments in the field of home and building automation were made possible thanks to an open, modular and interoperable standard like KNX.

cheapness

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

scalability

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

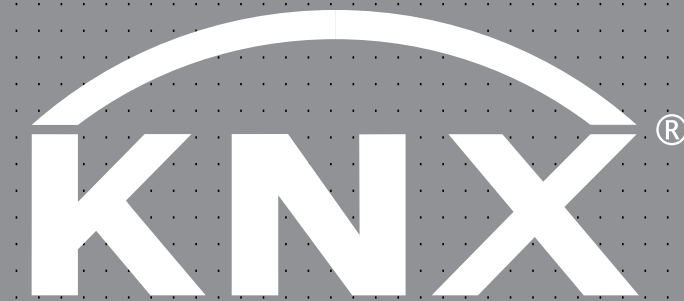
easy installation

Unlike traditional installation, in a home automation system only actuators and output devices need to be connected to the 230 VAC power supply. Sensors, switches, controls, displays and other input devices work with the only connection to the bus network that is powered by SELV voltage. This results in a considerable simplification of the installation that is particularly advantageous.

KNX certification

The KNX certification guarantees the interoperability among the devices of different KNX manufacturers. The entire procedure is disciplined by the certification system developed by the KNX Association and is based on conformity tests carried out by third-party laboratories. The presence of a KNX trademark on ekinex® devices is a guarantee for the customer:

- Manufacturing firm respects the quality management system in accordance with ISO 9001;
- The devices are compliant with the european norm EN 50090-2-2, concerning fundamental aspects like electromagnetic compatibility, electrical safety and environmental conditions of use;
- They comply with KNX interoperability requirements concerning standardized data type and functional blocks.



23 years of experience on market

33 national associations in each continent

9.000 certified products

70% market share in the building control in Europe

43.000 KNX Partner in 117 countries

244 certified Training Center in 46 countries

Form

FF Serie





Form

combinations



Flank

FF Serie





Flank

combinations

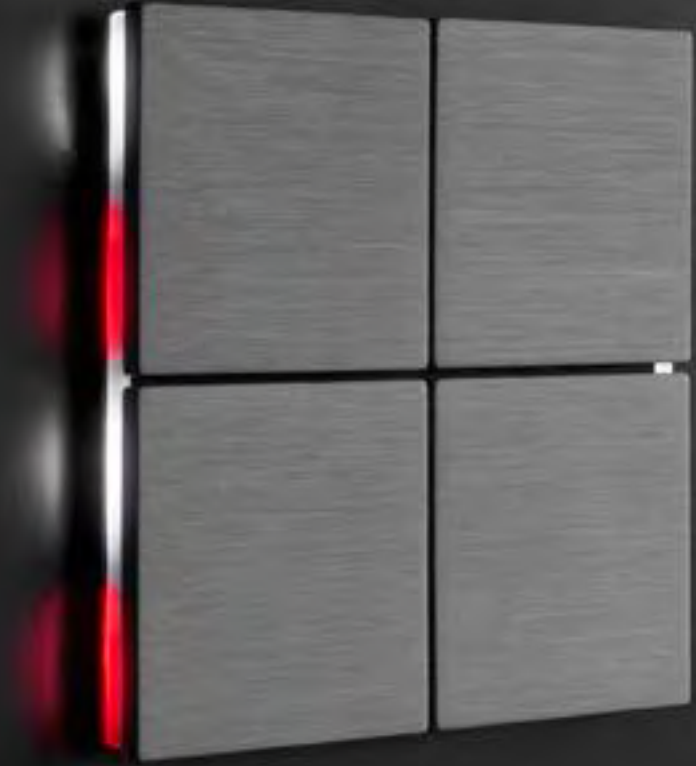


flank

'NF

FF Serie





'NF

combinations





Fold pushbutton

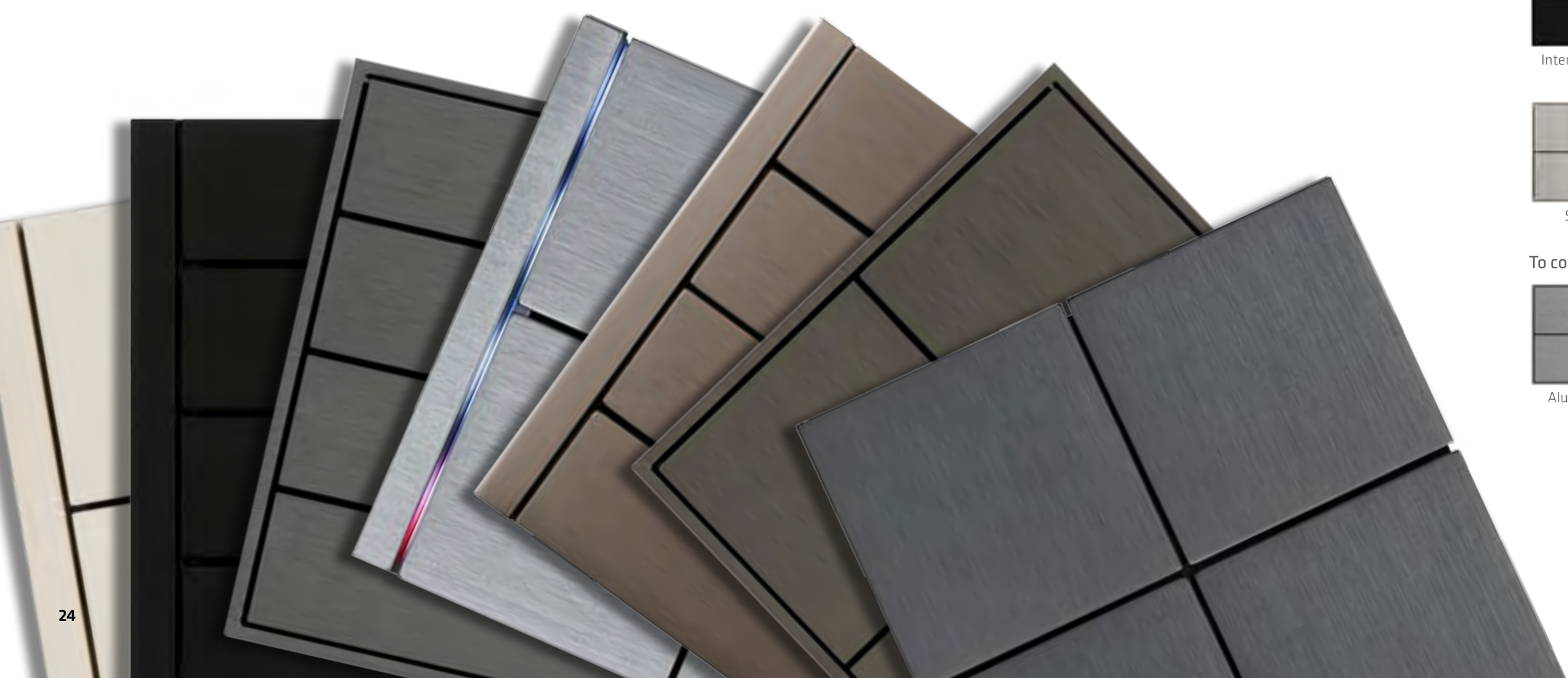


Simplify your actions.

Choose a symbol for each function from the wide library and create your own combination for every room. Send us your logo or the text you want to be printed on the rockers. Press the right pushbutton has never been easier.

Color solution.

Plastic, Plastic Metallic, Brushed Aluminium



To complete with Form/Flank/NF frame and plastic material rockers



Ice white



Ice white soft-touch



Fire white



Fire white soft touch



Intense black



Intense soft touch



Silver

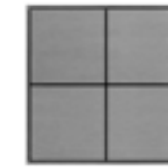


Hematite



Graphite

To complete with Form/Flank/NF frame and aluminium rockers



Aluminium



Nichel



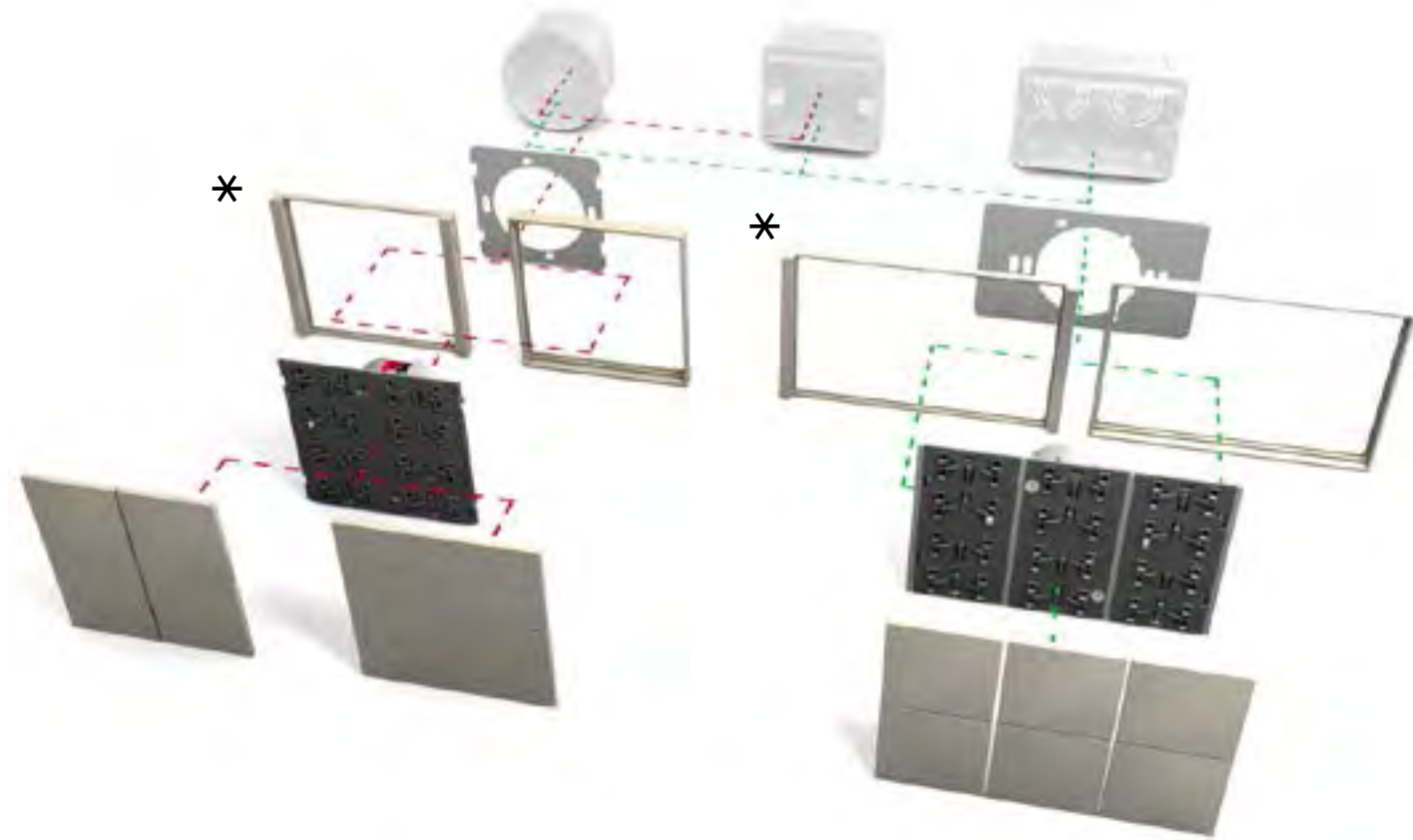
Titanium



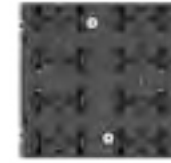
Carbon

Pushbuttons

Assembly instructions



* For the 'NF series no frames are provided



4-fold pushbutton

EK-EA2-TP : with green and blue LED

EK-EA2-TP-RW : with red and white LED

EK-EA2-TP-BG-NF : 'NF with green and blue LED

EK-EA2-TP-RW-NF : 'NF with red and white LED

4-fold pushbutton for KNX home and building automation systems. It allows on/off switching, dimming of lighting devices, controlling of motor drives for shutters or other programmable switching and control function. Bus terminal block, construction-site protection and mounting support included in the delivery. It has to be completed with four square or rectangular rockers and a square frame of the series form or flank (to be ordered separately).

The complete 4-fold pushbutton represented in these pages includes:

- 1 device e.g. EK-EA2-TP
- 1 form EK-FOQ - flank EK-FLQ-... square frame (p.41)
- 4 square rockers EK-TSQ (or TSR)

Base-codes of frame and rockers have to be completed by adding extensions for material, colour and finishing. As alternative to the square rockers, the rectangular rockers EK-TSR-... are available. For further information please consult also the ekinex product catalog.



- 4 LED for each rocker freely programmable
- Square (40x40 mm) or rectangular (80x20 mm) rockers
- For square frame form or flank series
- Temperature and brightness sensors integrated
- Up to 8 independent functions programmable
- Wall-mounting in round or square box
- Connection to bus line through KNX terminal block
- IP20 protection degree



6-fold pushbutton

EK-EB2-TP : with green and blue LED

EK-EB2-TP-RW : with red and white LED

6-fold pushbutton for KNX home and building automation systems. It allows on/off switching, dimming of lighting devices, controlling of motor drives for shutters or other programmable switching and control function. Bus terminal block, construction-site protection and mounting support included in the delivery. It has to be completed with four square or rectangular rockers and a square frame of the series form or flank (to be ordered separately).

The complete 6-fold pushbutton represented in these pages includes:

- 1 device e.g. EK-EB2-TP
- 1 form EK-FOR - flank EK-FLR -... rectangular frame (p.41)
- 6 square rockers EK-TSQ-...

Base-codes of frame and rockers have to be completed by adding extensions for material, colour and finishing. For further information please consult also the ekinex product catalog.



- 4 LED for each rocker freely programmable
- Square (40x40 mm) rockers
- For rectangular frame form or flank series
- Temperature and brightness sensors integrated
- Up to 12 independent functions programmable
- Wall-mounting in round, square or rectangular box
- Connection to bus line through KNX terminal block
- IP20 protection degree



Touch & See



the unexpected new

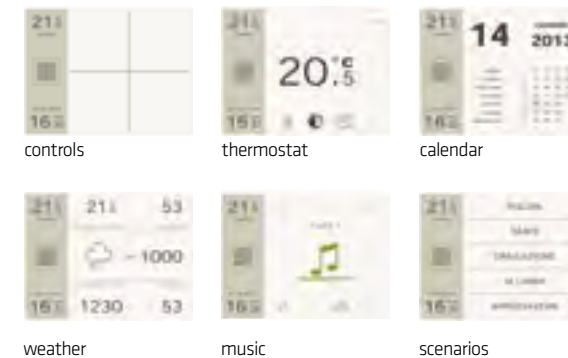
Color solution.

Plastic, Plastic Metallic, Brushed Aluminium



Technology in a touch.

When you want to touch the technology, see with your eyes your settings, know the weather or create the comfort you would like, trust Touch&See.

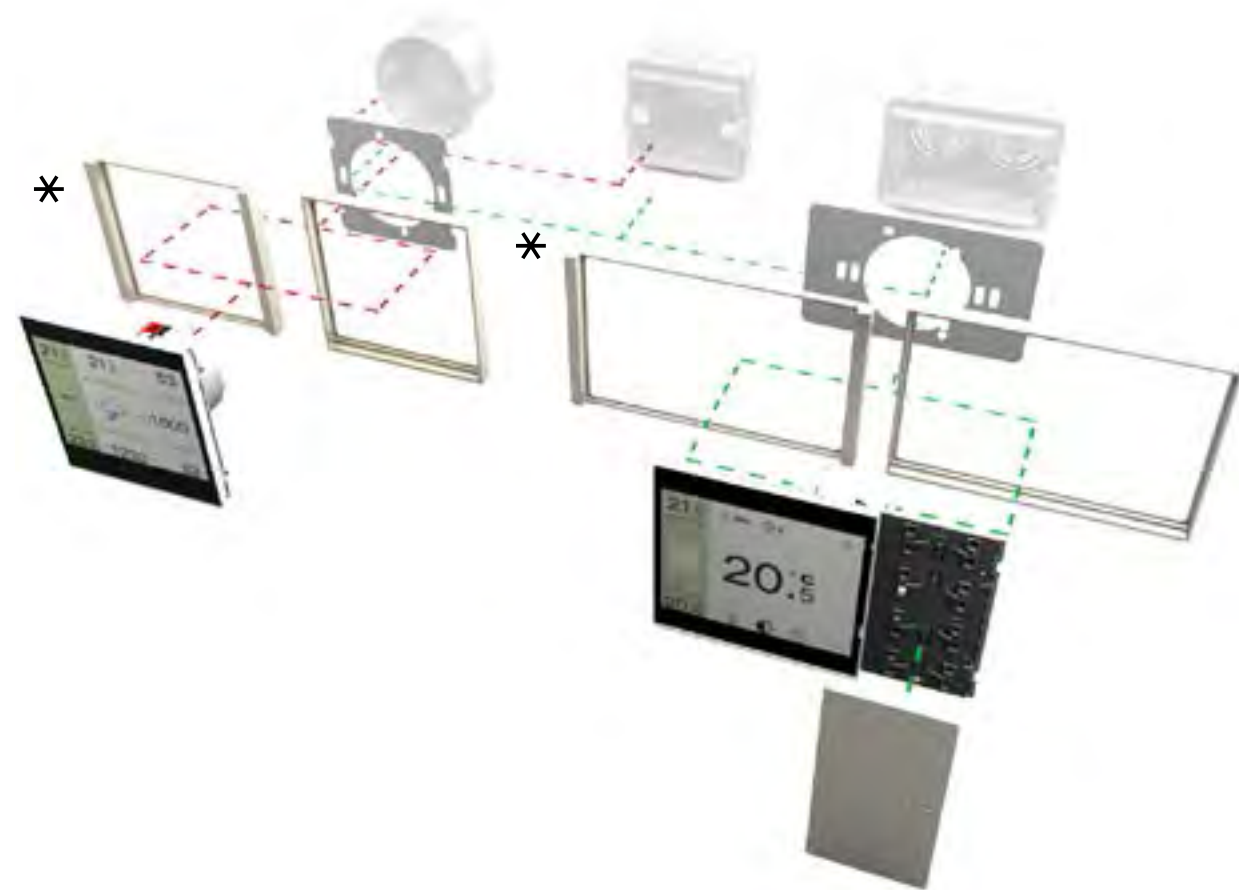


The high resolution touch-display and the versatile and intuitive interface are thought to provide highest user comfort and uncompromising aesthetics.

The transition from one function to the next one is via side-scrolling pages, from those you can access several submenus. You can also set the display brightness according to your own needs or it can be automatically adjusted according to the brightness.

Control and visualisation unit

Assembly instructions



* For the 'NF series no frames are provided



Touch&See

EK-EC2-TP : T&S

EK-EC2-TP-00-NF : T&S 'NF version

Multifunctional, compact device with touch-screen for KNX home and building automation systems. It allows on/off switching, dimming of lighting devices, controlling of motor drives for shutters or other bus functions through the user interface and the graphical pages. Room temperature controlling function of 4 independent zones, receiving from the bus the measured temperature values. It has to be completed with a square frame of the series form or flank (to be ordered separately).

The complete Touch and See display represented in these pages includes:

- 1 device e.g. EK-EC2-TP
- 1 square frame form EK-FOQ or flank EK-FLQ-... (p.41)

Base-codes of frame and rockers have to be completed by adding extensions for material, colour and finishing. For further information please consult also the ekinex product catalog.



- 3,5" TFT backlight touch-display, 65.536 colours
- Up to seven main graphical pages
- Brightness sensor integrated
- Connection to bus line through KNX terminal block
- 30 Vdc auxiliary power supply necessary
- Wall-mounting in round or square box
- IP20 protection degree



Touch&See with 2-fold pushbutton

EK-EF2-TP : T&S with green and blue LED

EK-EF2-TP-RW : T&S with red and white LED

Multifunctional, compact device with touch-screen and 2-fold pushbutton for KNX home and building automation systems. It allows on/off switching, dimming of lighting devices, controlling of motor drives for shutters or other bus functions through the user interface and the graphical pages. Room temperature controlling function of 4 independent zones (1 with the integrated temperature sensor). It has to be completed with a rectangular frame of the series form or flank (to be ordered separately).

The complete Touch and See display with 2-fold represented in these pages includes:

- 1 device e.g. EK-EF2-TP
- 1 rectangular frame form EK-FOR or flank EK-FLR-... (p.41)
- 2 square rockers EK-TSQ

Base-codes of frame and rockers have to be completed by adding extensions for material, colour and finishing. For further information please consult also the ekinex product catalog.



- 3,5" TFT backlight touch-display, 65.536 colours
- Up to seven main graphical pages
- Temperature and brightness sensor integrated
- 2-fold pushbutton integrated
- Connection to bus line through KNX terminal block
- 30 Vdc auxiliary power supply necessary
- Wall-mounting in round, rectangular or square box
- IP20 protection degree



EP2/EQ2



Room temperature controller

Color solution.

Plastic, Plastic Metallic, Brushed Aluminium



Control and visualisation unit



Room temperature controller

EK-EP2-TP : with green and blue LED

EK-EP2-TP-RW : with red and white LED

EK-EP2-TP-BG-NF : 'NF with green and blue LED

EK-EP2-TP-RW-NF : 'NF with red and white LED

Advanced room controller

EK-EQ2-TP : with green and blue LED

EK-EQ2-TP-RW : with red and white LED

EK-EQ2-TP-BG-NF : 'NF with green and blue LED

EK-EQ2-TP-RW-NF : 'NF with red and white LED

Room temperature controller for KNX home and building automation systems. Measuring of temperature brightness and relative humidity (only EQ2 series) through integrated sensors. Adjusting the room temperature to 2 points (ON / OFF) or proportional (PWM or continuous). Manual or automatic control of fan-coil units with hydraulic power 2 or 4 pipes. Anti-condensation protection passive and active. Calculation of psychrometric variables (dew point temperature, absolute humidity, enthalpy and perceived temperature) to the upper level of building automation (only EQ2 series) User interface with backlit LCD and two rockers. Advanced functions for the operating of the most common HVAC terminals. Mounting on round or square wall box. It has to be completed with two square rockers and a square frame of the series form or flank (to be ordered separately).

The complete Room temperature controller represented in these pages includes:

- 1 device e.g. EK-EP2-TP or EK-EQ2-TP
- 1 square frame form EK-FOQ or flank EK-FLQ-... (p.41)
- 1 kit composed by 2 square rockers EK-TSQ-GAx (GBx) - EP2

Base-codes of frame and rockers have to be completed by adding extensions for material, colour and finishing. For further information please consult also the ekinex product catalog.

- Backlighted LC-Display
- Temperature and brightness sensor integrated
- Relative humidity sensor integrated (only EQ2-TP)
- Modes of operation: heating and cooling with the possibility of switching or via local bus
- Operating modes: comfort, standby, economy and security building with separate setpoints for heating and cooling operation
- Display of CO2 concentration (in %, only EQ2-TP)
- Reporting opening windows
- 2-fold pushbutton
- Connection to bus line through KNX terminal block
- Wall-mounting in round or square box
- IP20 protection degree





Plates

Make uniform your control.



Aesthetics is not a detail. Uniform your style with our universal frames, adapting them to the other devices of your room.

Do not give up the harmony of forms.

Our plates may be combined with components for the electrical installation (such as sockets, switches etc.) of the leading manufacturers.

Color solution.

Plastic, Plastic Metallic, Brushed Aluminium



Form square frame

EK-FOQ-...

Square frame of the form series for completing of a 4-fold pushbutton, a Touch&See control and visualisation unit and a square plate for distribution sockets. Possibility of side-by-side mounting of two devices equipped with a form square frame through the EK-DFO template.

- In plastic or metal
- Snap-on mounting
- Dimensions 86 x 86 x 8 (WxHxD)

The base-code of the frame has to be completed by adding extensions for material, colour and finishing. (p.45)



Flank square frame

EK-FLQ-...

Square frame of the flank series for completing of a 4-fold pushbutton, a Touch&See control and visualisation unit and a square plate for distribution sockets. Possibility of side-by-side mounting of two devices equipped with a flank square frame through the EK-DFL template.

- In plastic or metal
- Snap-on mounting
- Dimensions 94 x 80 x 8 (WxHxD)

The base-code of the frame has to be completed by adding extensions for material, colour and finishing. (p.45)



Form rectangular frame

EK-FOR-...

Rectangular frame of the form series for completing of a 6-fold pushbutton, a Touch&See control and visualisation unit with 2-fold pushbutton and a rectangular plate for distribution sockets.

- In plastic or metal
- Snap-on mounting
- Dimensions 126 x 86 x 8 (WxHxD)

The base-code of the frame has to be completed by adding extensions for material, colour and finishing. (p.45)



Flank rectangular frame

EK-FLR-...

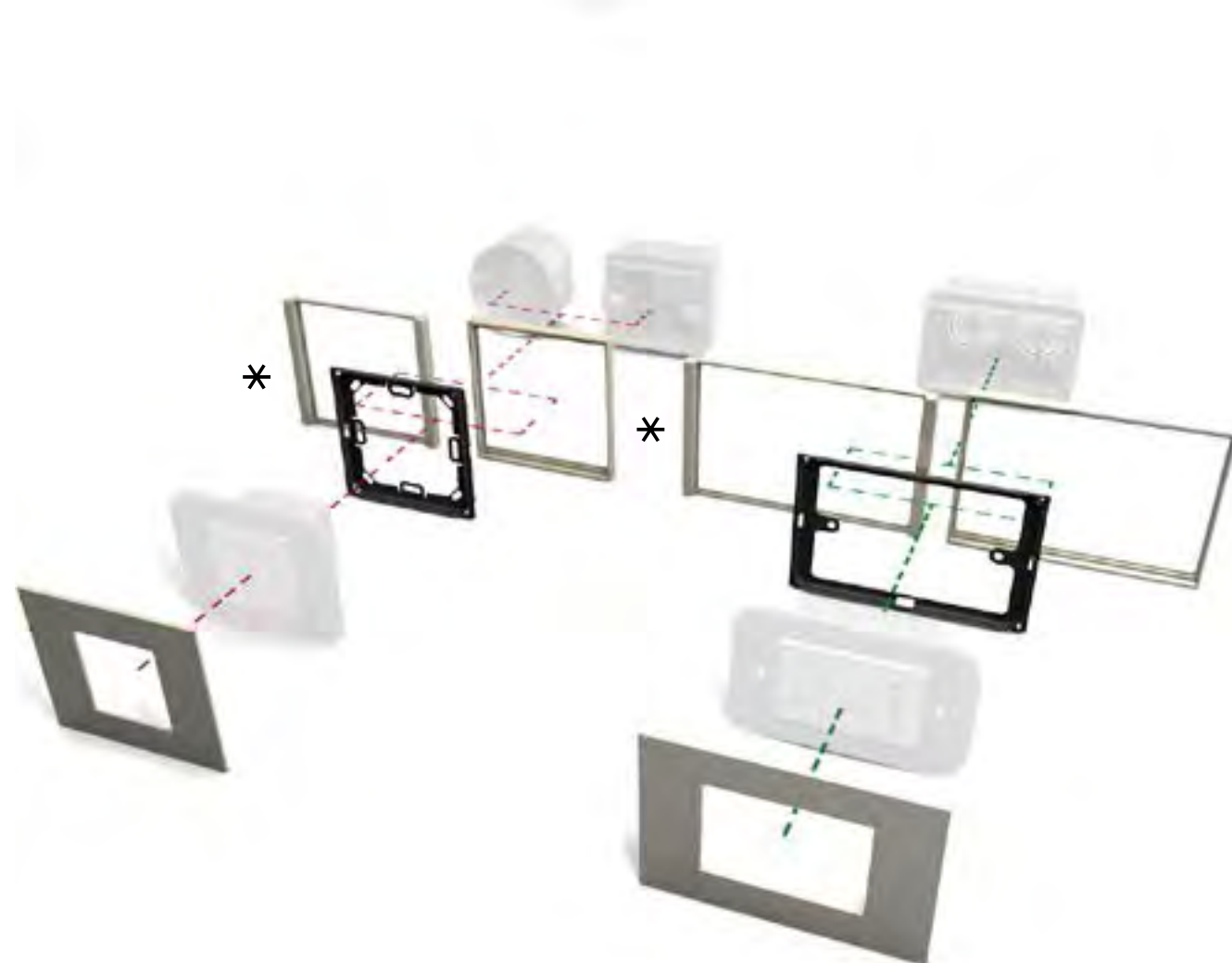
Rectangular frame of the flank series for completing of a 6-fold pushbutton, a Touch&See control and visualisation unit with 2-fold pushbutton and a rectangular plate for distribution sockets.

- In plastic or metal
- Snap-on mounting
- Dimensions 135 x 80 x 8 (WxHxD)

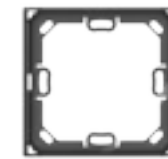
The base-code of the frame has to be completed by adding extensions for material, colour and finishing. (p.45)

Square and rectangular plates

Assembly instructions



* For the 'NF series no frames are provided



Square plate (with adapter)

EK-PQP-... and EK-PQG-... and EK-PQS

Square plate for completing distribution switches or sockets equipped with components of the standard installation series, or a EK-SM2 movement sensor. Available in many different colors and materials. To be used in combination with a square frame of the form or flank series Square adapter included.

- In plastic or metal
- EK-PQP-... with window (45 x 45 mm)
- EK-PQG-... with window (55 x 55 mm)
- EK-PQS-... with window (60 x 60 mm)
- Snap-mounting on square adapter
- Dimensions 80 x 80 x 3 (WxHxD)

In order to complete switches, sockets or the EK-SM2 movement sensor as represented in this page, it is necessary to order:

- 1 square plate e.g. EK-PQP-... (45 x 45 mm window) or EK-PQG-... (55 x 55 mm window) or EK-PQS-... 60 x 60 mm window)
- 1 square frame form EK-FOQ-... or flank EK-FLQ-...

The delivery of each square plate includes a square adapter. Base-codes of frame and plate have to be completed by adding extensions for material, colour and finishing. For further information please consult also the ekinex product catalog.



Rectangular plate (with adapter)

EK-PRP-... ed EK-PRG-...

Rectangular plate for completing distribution switches or sockets equipped with components of the standard installation series. Available in many different colors and materials. To be used in combination with a square frame of the form or flank series Rectangular adapter included.

- In plastic or metal
- EK-PRP-... with small window (66 x 44 mm)
- EK-PRG-... with big window (68 x 45 mm)
- Snap-mounting on square adapter
- Dimensions 121 x 80 x 3 (WxHxD)

In order to complete switches or sockets as represented in this page, it is necessary to order:

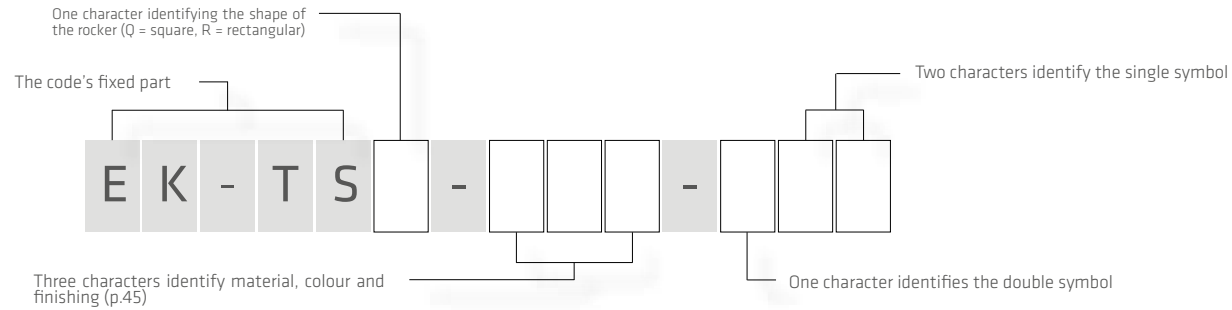
- 1 square plate e.g. EK-PRP-... (66 x 44 mm window) or EK-PRG-... (68 x 45 mm window)
- 1 square frame form EK-FOR-... or flank EK-FLR-...

The delivery of each rectangular plate includes a rectangular adapter. Base-codes of frame and plate have to be completed by adding extensions for material, colour and finishing. For further information please consult also the ekinex product catalog.



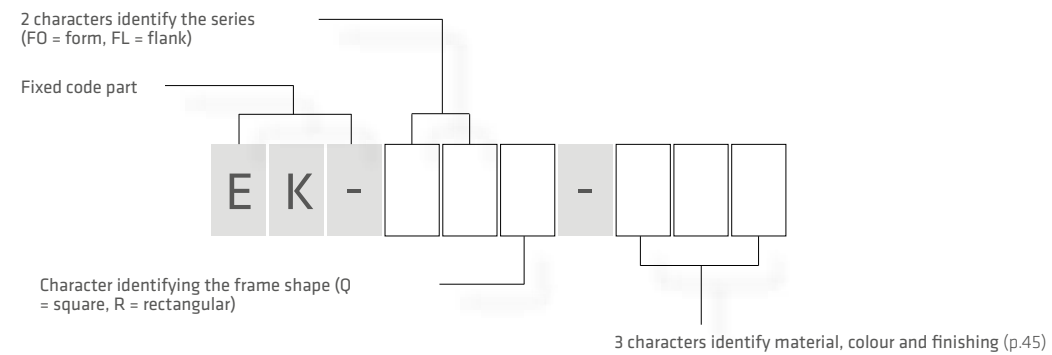
How to order a rocker

The ordering code of a rocker is formed by a fixed part (EK-TS) plus a variable part which represents modularity, material, colour and customization codes as shown in symbol library (pages 30-31).



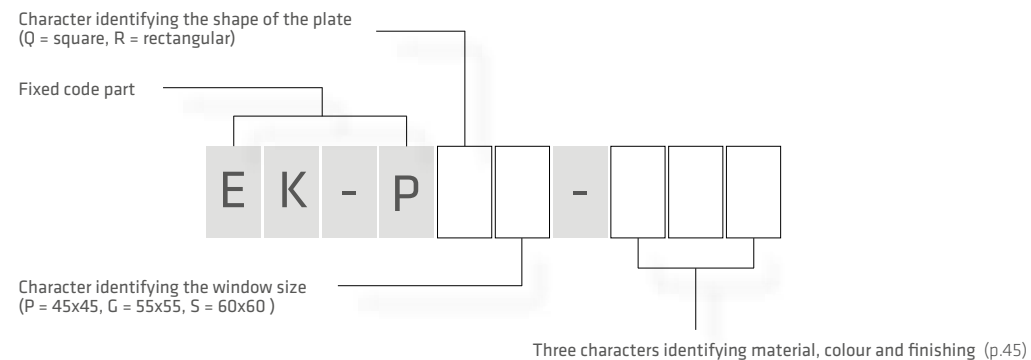
How to order a frame

The ordering number of frames comprises a fixed part (EK-) and a variable part which depends on the series (form or flank), shape (square or rectangular), material, colour and finishing.



How to order a plate

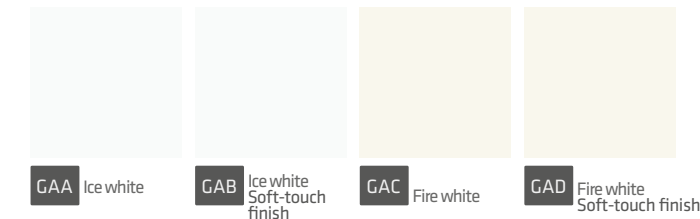
The ordering code of a plate consists of a fixed part (EK-P) and a variable part depending on shape (square or rectangular), window size (small or large), material, colour and finishing.



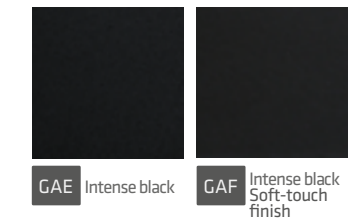
Mark out the materia.

Let yourself be tempted by the strictness of aluminum or take advantage of plastic: every ambiance refers to a different material, discover it.

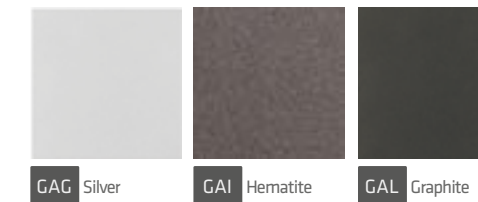
WHITE PLASTIC



BLACK PLASTIC



METALIZED PLASTIC



BRUSHED METAL



Sensor



Movement and Presence sensor



Movement sensor

EK-SM2-TP

Movement sensor for KNX home and building automation systems. It detects movement and presence of people in a semi-circular area. It is ideally used in corridors, transit areas, toilets, staircases, elevators and, in general, all areas having occasional transit. 1 channel for the control of HVAC devices. Movement/presence detection through three PIR sensors (passive infra-red). Sensor for room luminosity measuring. It works in semi-automatic and automatic modes. To be completed with a lens with cover, a square plate with 55x55 mm window and a square frame of the form or flank series (to be ordered separately).

- 1 light channel, 1 HVAC channel
- Semi-automatic or fully automatic operation
- 180° detection area
- 3 PIR sensors can be activated individually or in groups
- Sensitivity adjustable (10 levels)
- Light sensor with linear output
- High-resolution lens for detection of small movements
- Optical filter integrated
- Mounting height 1 to 3 m
- Connection to bus line through KNX terminal block
- Wall mounting in round or square box
- IP20 protection degree

Lens with cover for movement sensor



EK-DB2-TP

(16 m detection area)



EK-DC2-TP



EK-DD2-TP

(30 m detection area)



EK-DE2-TP

Presence sensors

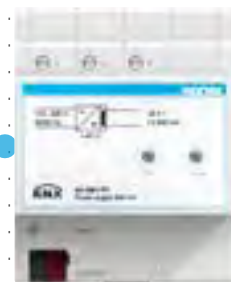
Presence sensor for KNX home and building automation systems. It detects movement and the presence of people in a circular area. It is ideally used in open space, meeting rooms, halls, and, in general, all large rooms. Three separate channels for the control of lighting and one channel for HVAC device control. Movement/presence detection through three PIR sensors (passive infra-red). Sensor for room luminosity measuring. It works in semi-automatic and automatic modes. Constant luminosity regulation is performed by an ETS-configurable value or configured KNX pushbuttons. Frame included in the delivery.

- 3 light channels, 1 HVAC channel
- Semi-automatic or fully automatic operation
- 360° detection area
- 3 PIR sensors can be activated individually or in groups
- Sensitivity adjustable (10 levels)
- Light sensor with linear output
- High-resolution lens for detection of small movements
- Optical filter integrated
- Round or square frame
- Connection to bus line through KNX terminal block
- Ceiling mounting
- IP20 protection degree

System components.

The heart of the system expresses all our attention to what goes beyond mere aesthetics.

A complete system of KNX rail-mounting devices that allows to realize the ekinex® home automation.



power supply units



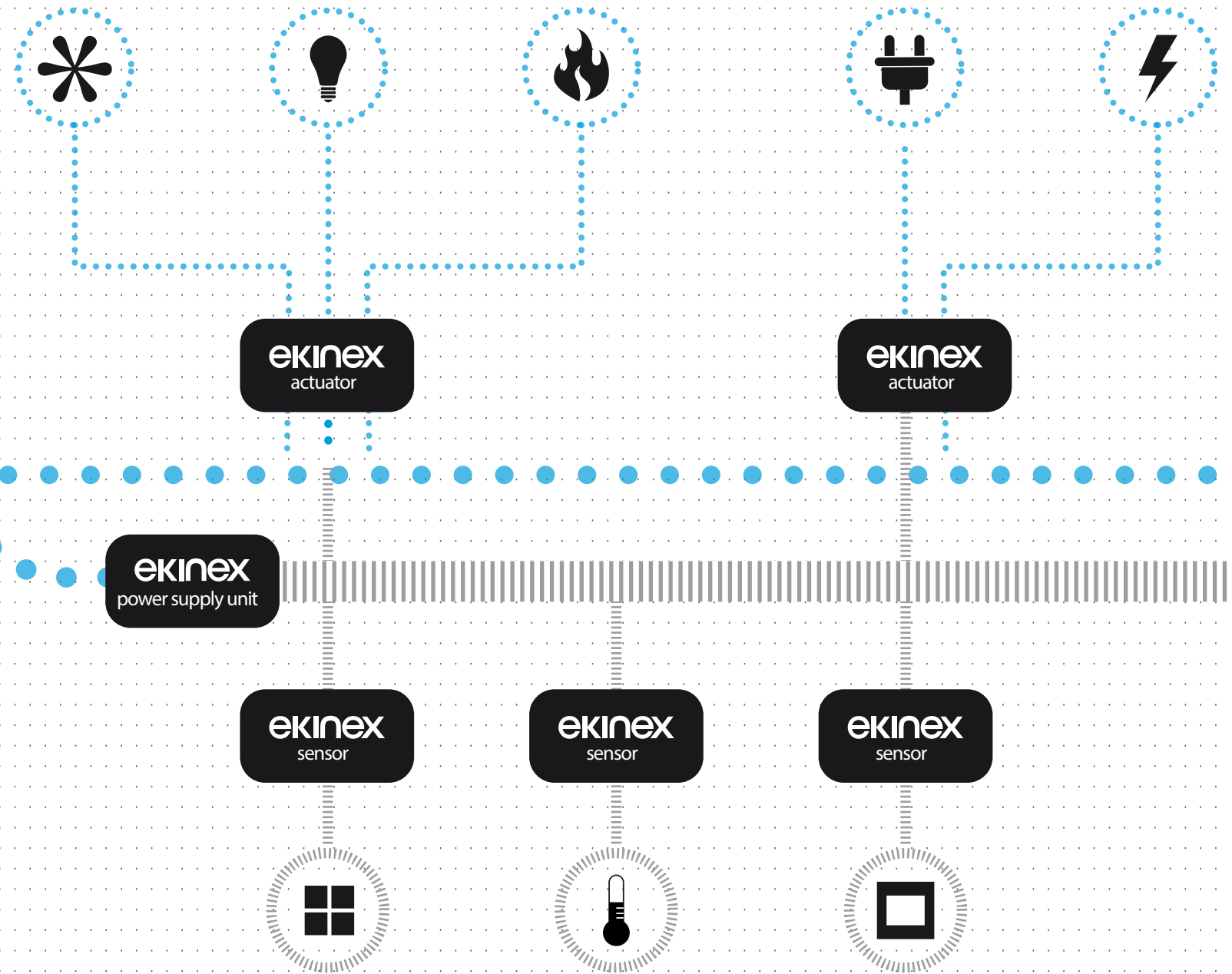
inputs



outputs and actuators



dimmers



System devices, power supply units



Line/area coupler

EK-BA1-TP

Coupler for KNX home and building automation systems. It can be used as a line or area coupler or as a repeater. Galvanic insulation's function between the two connected lines and filters the traffic based on installation position or on filter tables.

- Mounting on 35 mm EN 60715 rail
- Power supply via bus
- Led to indicate status and self-test
- Connection to the bus line through KNX terminal block
- Plastic casing, 2 modular units (1 MU = 18 mm)
- IP20 protection grade (installed device)



USB/KNX interface

EK-BD1-TP

USB/KNX interface for KNX home and building automation systems. It allows a bidirectional data connection between a PC and a KNX bus system. The device handles the addressing, parameter setting, display, protocol management and diagnosis of KNX bus devices.

- Mounting on 35 mm EN 60715 rail
- Power supply via bus
- Connection to the bus line through KNX terminal block
- Power supply (PC side): from USB
- Plastic casing, 2 modular units (1 MU = 18 mm)
- IP20 protection grade (installed device)



Power supply 640 mA

EK-AB1-TP

Power supply for KNX home and building automation systems. It produces and monitors a current required by the KNX bus for operation. An integrated choke provides for decoupling power supply and bus line. Output is protected from overload and short-circuit. The device sustains short network voltage interruptions (max. 200 ms).

- Mounting on 35 mm EN 60715 rail
- Input voltage 230 Vac, output voltage 30 Vdc
- Nominal current: 640 mA
- Connection to the bus line through KNX terminal block
- Plastic casing, 2 modular units (1 MU = 18 mm)
- IP20 protection grade (installed device)



Power supply 640 mA with 30 Vdc auxiliary output

EK-AG1-TP

Power supply for KNX home and building automation systems. It produces and monitors the current required by the KNX bus for operation. An integrated choke provides for decoupling power supply and bus line. Additional 30 Vdc output can be used for auxiliary power supply of other devices requiring SELV. Output is protected from overload and short-circuit. The device sustains short network voltage interruptions (max. 200 ms).

- Mounting on 35 mm EN 60715 rail
- Input voltage 230 Vac, output voltage 30 Vdc (KNX and auxiliary output)
- Nominal current (KNX and auxiliary output) 640 mA
- Connection to the bus line through KNX terminal block
- Auxiliary output connection: dedicated terminal block (yellow/white)
- Plastic casing, 2 modular units (1 MU = 18 mm)
- IP20 protection grade (installed device)



Inputs, PLC



6-fold pushbutton interface

EK-CB2-TP

Compact binary input for KNX home and building automation systems. 6 independent channels may be used alternatively as inputs for the connection of switches, pushbuttons or sensors which do not communicate natively on the KNX bus or other binary signals (e.g. signalling contacts) or as outputs, to pilot low consumption LED's. The query voltage of input channels is produced within the device. An 8-conductor connection cable with one connection-ready tip is included.

- Wall-mounting in box
- Power supply via bus
- Connection to bus line through KNX terminal block
- Input/output connection with 8-wires cable, length 250 mm
- Plastic casing
- IP20 protection degree



8-fold binary input

EK-CA1-TP

Binary input for KNX home and building automation systems. 8 independent channels may be used as inputs for the connection of switches, push-buttons or sensors which do not communicate natively on the KNX bus or other binary signals (e.g. signalling contacts). The query voltage of input channels is produced within the device.

- Mounting on 35 mm EN 60715 rail
- Power supply via bus
- Connection to the bus line through KNX terminal block
- Plastic casing, 4 modular units (1 MU = 18 mm)
- IP20 (installed device)



CODESYS PLC with KNX interface

EK-IA1-TP

PLC for KNX home and building automation systems. It may be used to realize complex control logics and regulations the automation of homes and buildings, integrating those basic available in KNX functions. Completely programmable by using the CODESYS* development environment (V3 release). KNX interface integrated and plug-in to list all the variables used for programming the device.

- Mounting on 35 mm EN 60715 rail
- Power supply via bus
- USB port for programming
- Connection to the bus line through KNX terminal block
- Plastic casing, 4 modular units (1 MU = 18 mm)
- IP20 (installed device)



Outputs and actuators



4-fold binary output

EK-FA1-TP

Binary output for KNX home and building automation systems. It allows to control 4 groups of electric loads independently. Latching relays for upkeeping of command status even in the case of bus power failures. Front levers for emergency manual switching (by means of a special tool) and indication of the status.

- Mounting on 35 mm EN 60715 rail
- Power supply via bus
- Connection to bus line through KNX terminal block
- 4 modular units (1 MU = 18 mm)
- Plastic casing
- IP20 protection degree (installed device)



8-fold binary output

EK-FB1-TP

Binary output for KNX home and building automation systems. It allows to control 8 groups of electric loads independently. Latching relays for upkeeping of command status even in the case of bus power failures. Front levers for emergency manual switching (by means of a special tool) and indication of the status.

- Mounting on 35 mm EN 60715 rail
- Power supply via bus
- Connection to bus line through KNX terminal block
- 8 modular units (1 MU = 18 mm)
- Plastic casing
- IP20 protection degree (installed device)



8-fold binary output / 4-fold blind actuator

EK-FE1-TP

Binary output / blind actuator for KNX home and building automation systems. It allows to control 8 groups of electric loads independently or 4 drives for motorised blinds independently. Membrane keyboard for manual control (even in the absence of bus power) and LED's for status indication. Pushbutton for switching between automatic and manual control (even in the absence of bus power) and LED's for status indication. Pushbutton for switching between automatic and manual operation modes. It requires 230 Vac power supply.

- Mounting on 35 mm EN 60715 rail
- Power supply via bus (electronics) and 230 Vac (outputs)
- Connection to bus line through KNX terminal block
- 4 modular units (1 MU = 18 mm)
- Plastic casing
- IP20 protection degree (installed device)



16-fold binary output / 8-fold blind actuator

EK-FF1-TP

Binary output / blind actuator for KNX home and building automation systems. It allows to control 16 groups of electric loads independently or 8 drives for motorised blinds independently. Membrane keyboard for manual control (even in the absence of bus power) and LED's for status indication. Pushbutton for switching between automatic and manual operation modes. It requires 230 Vac power supply.

- Mounting on 35 mm EN 60715 rail
- Power supply via bus (electronics) and 230 Vac (outputs)
- Connection to bus line through KNX terminal block
- 8 modular units (1 MU = 18 mm)
- Plastic casing
- IP20 protection degree (installed device)



Outputs and dimmers



Actuators and dimmers

EK-GA1-TP

Dimmer/actuator for KNX home and building automation systems. It allows to command and regulate the light intensity of 2 groups of lighting devices. The device is suitable for the control of resistive, inductive and capacitive loads. Membrane pushbuttons for manual command (even in the absence of bus power) and LED's for status indication. Pushbutton for switching between automatic or manual operation modes. The device requires 230 Vac power supply to operate.

- Mounting on 35 mm EN 60715 rail
- Power supply from Bus (electronic part) and 230 Vac (output)
- Connection to the bus line through KNX terminal block
- 4 modular units (1 MU = 18 mm)
- Plastic casing
- IP20 protection grade (installed device)



4-fold dimmer-actuator

EK-GB1-TP

Dimmer/actuator for KNX home and building automation systems. It allows to command and regulate the light intensity of 4 groups of lighting devices. The device is suitable for the control of resistive, inductive and capacitive loads. Membrane pushbuttons for manual command (even in the absence of bus power) and LED's for status indication. Pushbutton for the switching between automatic or manual operation modes. The device requires 230 Vac power supply to operate.

- Mounting on 35 mm EN 60715 rail
- Power supply from Bus (electronic part) and 230 Vac (output)
- Connection to the bus line through KNX terminal block
- 8 modular units (1 MU = 18 mm)
- Plastic casing
- IP20 protection grade (installed device)





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