TECHNICAL CATALOGUE

eelectron®

Building&HomeEvolution





PART OF BEMSIQ GROUP

Building & Home Evolution

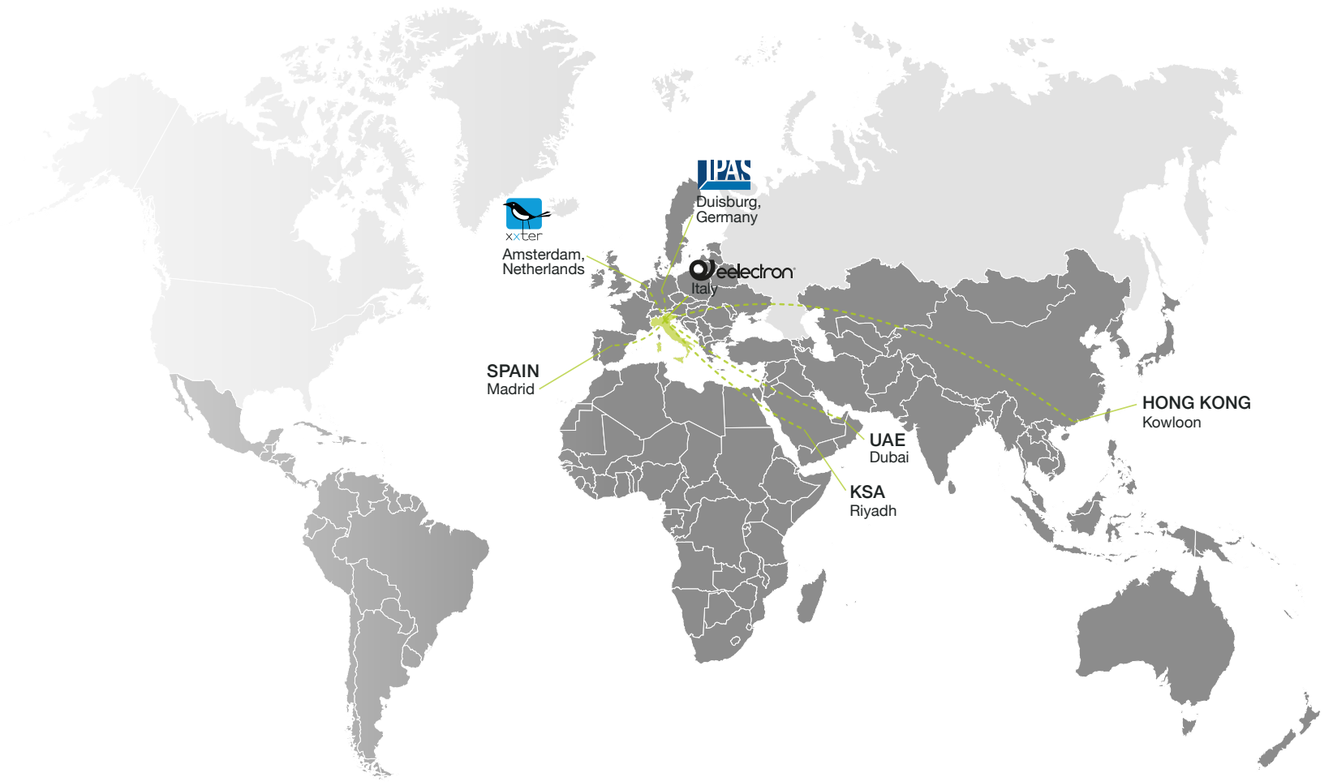
MADE IN ITALY

For more than thirty years, eelectron has been developing and manufacturing building automation **technologies, combining innovation, interoperability** and reliability. Among the companies that contributed to the adoption of the KNX standard across Europe from its earliest applications, **eelectron** has built extensive expertise in the development of open and integrated solutions.

By leveraging the leading industry standards, the company delivers integrated solutions for intelligent control, supervision and management of buildings, creating a technological ecosystem where devices, systems and services interact in a simple, secure and coordinated way.

A continuously evolving portfolio designed to meet the demands of increasingly **efficient, sustainable and connected** buildings, **supporting designers, system integrators and professionals** in creating modern environments focused on people's well-being.

Thanks to a **scalable** approach, eelectron solutions adapt to today's project requirements and are ready to evolve alongside the buildings of the future.



7 Locations · **3** R&D - Production Centers · **90+** Countries

Legnano, Italy
Duisburg, Germany
Amsterdam, Netherlands

1995
Founded

KNX Association
Member Since **2005**

DALI Association
Member Since **2007**

250+ Products
Designed

9 Design Awards
Award-winning product design

KNX Training Center
Official Certification Center

ISO 14001:2015
Environmental Management System

ISO 9001
Certified Quality Management

OPEN STANDARDS

Interoperable technologies for simple and secure integration, from device to cloud.

KNX · DALI · Bluetooth · matter · MQTT

GROWING TECHNOLOGY GROUP

The eelectron Group includes **IPAS**, a German specialist in KNX and DALI technologies, and **xxter**, a Dutch company focused on KNX software and visualisation solutions. Together, they expand the Group's expertise, creating synergies that enhance every stage of a project, from devices to building management, while broadening the range of solutions available to customers. Since 2024, eelectron has also been part of **Bemsiq Group**, an international organization active in the Building Automation industry.

2024 - eelectron becomes part of Bemsiq Group
2024 - IPAS joins the eelectron Group
2025 - xxter joins the eelectron Group

BEMSIQ GROUP

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Products for **Building Automation & Smart Home**

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- INWALL

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Design Control

Research, development, design, production. Made in Italy

OL-U

OL-U is a range of KNX mechanical devices with a unique touch interface. It enhances room control through the central capacitive RGB LED bar that provides guidance for effortless adjustment. Marked versatility, designed to serve the user.

GERMAN DESIGN AWARD WINNER 2025 · reddot winner 2024



9025

evolving skills

9025 KNX is a set of touch switches, a range dedicated to temperature management, and a technological system to control smart buildings.

DESIGN PLUS powered by: light+building



3025

Warmth, in your place

55x55, 4 Controls, different materials. Integrated thermostat detecting and regulating a desired temperature. Materials, functionalities, finishing are essential values for your environment project.



eelecta

You, in an homy and environmental world

A product range dedicated to democratic, smart and creative design.
To the interaction between users and lighting control, energy saving, temperature control, entertainment.

DESIGN PLUS powered by: light+building · interior innovation award 2012 Winner · Design Award Nominee 2013 · reddot design award winner 2012



KNX Switch

The switch SO08A01KNX of the OL-U® KNX series for wall installation are equipped with 4/8 mechanical buttons (8/16 channels) for managing on/off commands, dimmers, rolling shutters and venetian blinds, or other programmable command and control functions.

The device integrates one 2-stage thermostat with integrated PI controller for piloting heating, cooling, valves, 6-way valves, fan coils 2 and 4 pipes.

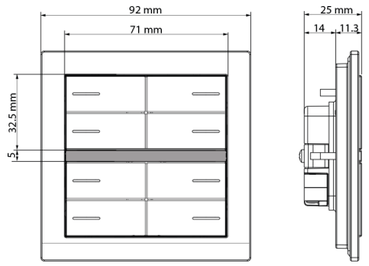
On the front side of device SO08A01KNX there is a capacitive bar with swipe function for the implementation of programmable KNX functions. A freely configurable RGB LED bar is also available for displaying states or other quantities available on the KNX bus.

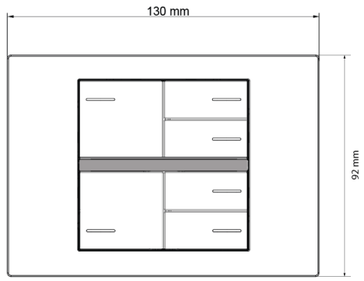
Moreover, 32 logic blocks are available to implement simple expressions with logical or threshold operator or complex expressions with algebraic and conditional operators; It is possible to use predefined algorithms as proportional controls of temperature and humidity or dew point calculation.

The device also integrates the “Virtual Holder Logic”; the field of application is the hotel room: through a magnetic sensor installed on the door and connected to a digital input, accurate presence information is managed. The presence detection solution can deduce the presence of people in the room using one or more dedicated sensors. It also detects an unexpected presence and is able to differentiate more behaviors.

The OL-U® KNX series is available in various colours and can be installed on a 2 or 3 module box and is compatible with the main standards (Italian, German, British, Swiss). The device can be configured via the ETS application program and can communicate with the KNX Data Secure protocol. The KNX communication interface is included.







Technical Features

Mechanical data	• Device dimensions (without frame): 71x71x25 mm • Frame dimensions 2 Modules: 92x92x11 mm • Frame dimensions 3 Modules: 130x92x11 mm
Mounting	• Flush mounted wall box
Supply	• Via EIB/KNX bus 21 ÷ 32 V DC • Max 30 mA
Terms of use	• Operating temperature: -5 °C +45 °C • Storage temperature: -20 °C +55 °C • Relative humidity (not condensing): max. 90%

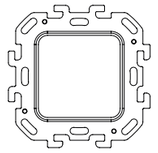
Order Codes

KNX Switch

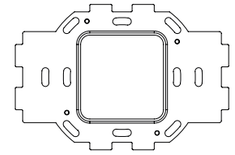
SO08A01KNX
8 Buttons | 16 CH - RGB Swiper



SO08A01KNX
HARDWARE



FO71A01-2M
Metal mounting frame for devices
2 Modules

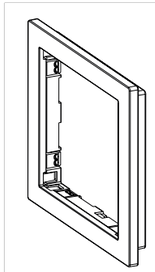


FO71A01-3M
Metal mounting frame for devices
3 Modules

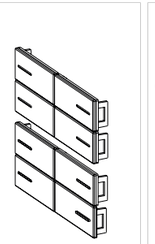
How to order



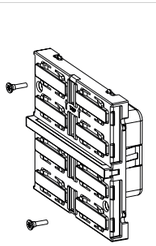
2 MODULES



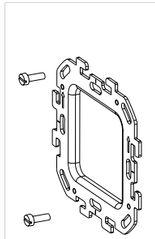
PO71A01XX-XXXX



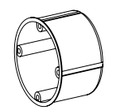
BK04XX-XXXX
BK42XX-XXXX
BK24XX-XXXX
BK08XX-XXXX
BK08PLR



SO08A01KNX
Hardware

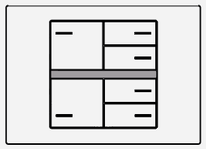


FO71A01-2M

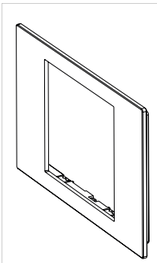


Mounting box not included

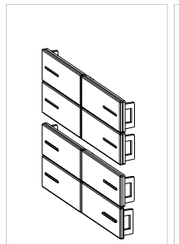
How to order



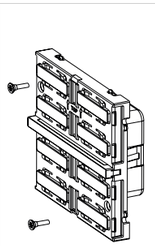
3 MODULES



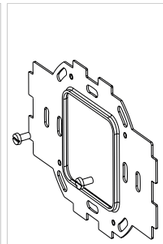
PO71A03XX-XXXX



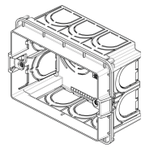
BK04XX-XXXX
BK42XX-XXXX
BK24XX-XXXX
BK08XX-XXXX
BK08PLR



SO08A01KNX
Hardware



FO71A01-3M



Mounting box not included

GERMAN DESIGN AWARD WINNER 2025

reddot winner 2024

Switch OL-U REGULAR VERSION
BUTTONS KIT - FRAME 2 MODULES

Kit 4 Buttons - Square



BK04PLL-1
Painted plastic - White

PO71A01PL-1
Painted plastic - White



BK04PLL-3
Painted plastic - Black

PO71A01PL-3
Painted plastic - Black



BK04PLL-4
Painted plastic - Helvetia White

PO71A01PL-4
Painted plastic - Helvetia White



BK04PL0-1
Painted plastic no line White

PO71A01PL-1
Painted plastic no line White



BK04PL0-3
Painted plastic no line Black

PO71A01PL-3
Painted plastic no line Black

Kit 4 left + 2 right Buttons



BK42PLL-1
Painted plastic - White

PO71A01PL-1
Painted plastic - White



BK42PLL-3
Painted plastic - Black

PO71A01PL-3
Painted plastic - Black



BK42PLL-4
Painted plastic - Helvetia White

PO71A01PL-4
Painted plastic - Helvetia White



BK42PL0-1
Painted plastic no line White

PO71A01PL-1
Painted plastic no line White



BK42PL0-3
Painted plastic no line Black

PO71A01PL-3
Painted plastic no line Black

Kit 2 left + 4 right Buttons



BK24PLL-1
Painted plastic - White

PO71A01PL-1
Painted plastic - White



BK24PLL-3
Painted plastic - Black

PO71A01PL-3
Painted plastic - Black



BK24PLL-4
Painted plastic - Helvetia White

PO71A01PL-4
Painted plastic - Helvetia White



BK24PL0-1
Painted plastic no line White

PO71A01PL-1
Painted plastic no line White



BK24PL0-3
Painted plastic no line Black

PO71A01PL-3
Painted plastic no line Black

Kit 8 Buttons



BK08PLL-1
Painted plastic - White

PO71A01PL-1
Painted plastic - White



BK08PLL-3
Painted plastic - Black

PO71A01PL-3
Painted plastic - Black



BK08PLL-4
Painted plastic - Helvetia White

PO71A01PL-4
Painted plastic - Helvetia White



BK08PL0-1
Painted plastic no line White

PO71A01PL-1
Painted plastic no line White



BK08PL0-3
Painted plastic no line Black

PO71A01PL-3
Painted plastic no line Black

Customization portal: ***mycustom.eelectron.com***

KNXSWITCHES

Switch OL-U REGULAR VERSION
BUTTONS KIT - FRAME 3 MODULES

Kit 4 Buttons - Square



BK04PLL-1
Painted plastic - White

PO71A03PL-1
Painted plastic - White



BK04PLL-3
Painted plastic - Black

PO71A03PL-3
Painted plastic - Black



BK04PL0-1
Painted plastic no line - White

PO71A03PL-1
Painted plastic - White



BK04PL0-3
Painted plastic no line - Black

PO71A03PL-3
Painted plastic - Black

Kit 4 left + 2 right Buttons



BK42PLL-1
Painted plastic - White

PO71A03PL-1
Painted plastic - White



BK42PLL-3
Painted plastic - Black

PO71A03PL-3
Painted plastic - Black



BK42PL0-1
Painted plastic no line - White

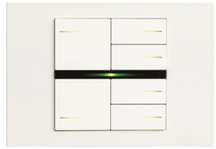
PO71A03PL-1
Painted plastic - White



BK42PL0-3
Painted plastic no line - Black

PO71A03PL-3
Painted plastic - Black

Kit 2 left + 4 right Buttons



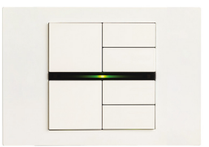
BK24PLL-1
Painted plastic - White

PO71A03PL-1
Painted plastic - White



BK24PLL-3
Painted plastic - Black

PO71A03PL-3
Painted plastic - Black



BK24PL0-1
Painted plastic no line - White

PO71A03PL-1
Painted plastic - White



BK24PL0-3
Painted plastic no line - Black

PO71A03PL-3
Painted plastic - Black

Kit 8 Buttons



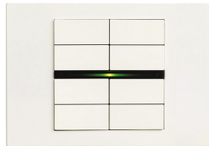
BK08PLL-1
Painted plastic - White

PO71A03PL-1
Painted plastic - White



BK08PLL-3
Painted plastic - Black

PO71A03PL-3
Painted plastic - Black



BK08PL0-1
Painted plastic no line - White

PO71A03PL-1
Painted plastic - White



BK08PL0-3
Painted plastic no line - Black

PO71A03PL-3
Painted plastic - Black

GERMAN DESIGN AWARD WINNER 2025

reddot winner 2024

Switch OL-U FENIX EDITION

BUTTONS KIT - FRAME 2 MODULES

Kit 4 Buttons - Square



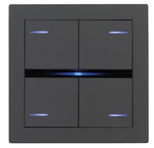
BK04FX-0030
FENIX Alaska White 0030

PO71A01FX-0030
FENIX Alaska White 0030



BK04FX-0720
FENIX Ingo Black 0720

PO71A01FX-0720
FENIX Ingo Black 0720



BK04FX-0724
FENIX Bromo Grey 0724

PO71A01FX-0724
FENIX Bromo Grey 0724



BK04FX-0748
FENIX Arizona Beige 0748

PO71A01FX-0748
FENIX Arizona Beige 0748



BK04FX-0754
FENIX Fes Blue 0754

PO71A01FX-0754
FENIX Fes Blue 0754



BK04FX-0032
FENIX Kos White 0032

PO71A01FX-0032
FENIX Kos White 0032

Kit 4 left + 2 right Buttons



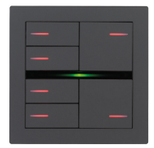
BK42FX-0030
FENIX Alaska White 0030

PO71A01FX-0030
FENIX Alaska White 0030



BK42FX-0720
FENIX Ingo Black 0720

PO71A01FX-0720
FENIX Ingo Black 0720



BK04FX-0724
FENIX Bromo Grey 0724

PO71A01FX-0724
FENIX Bromo Grey 0724



BK42FX-0748
FENIX Arizona Beige 0748

PO71A01FX-0748
FENIX Arizona Beige 0748



BK42FX-0754
FENIX Fes Blue 0754

PO71A01FX-0754
FENIX Fes Blue 0754



BK42FX-0032
FENIX Kos White 0032

PO71A01FX-0032
FENIX Kos White 0032

Kit 2 left + 4 right Buttons



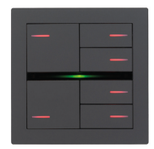
BK24FX-0030
FENIX Alaska White 0030

PO71A01FX-0030
FENIX Alaska White 0030



BK24FX-0720
FENIX Ingo Black 0720

PO71A01FX-0720
FENIX Ingo Black 0720



BK24FX-0724
FENIX Bromo Grey 0724

PO71A01FX-0724
FENIX Bromo Grey 0724



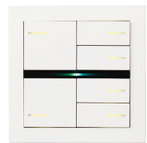
BK24FX-0748
FENIX Arizona Beige 0748

PO71A01FX-0748
FENIX Arizona Beige 0748



BK24FX-0754
FENIX Fes Blue 0754

PO71A01FX-0754
FENIX Fes Blue 0754



BK24FX-0032
FENIX Kos White 0032

PO71A01FX-0032
FENIX Kos White 0032

Kit 8 Buttons



BK08FX-0030
FENIX Alaska White 0030

PO71A01FX-0030
FENIX Alaska White 0030



BK08FX-0720
FENIX Ingo Black 0720

PO71A01FX-0720
FENIX Ingo Black 0720



BK08FX-0724
FENIX Bromo Grey 0724

PO71A01FX-0724
FENIX Bromo Grey 0724



BK08FX-0748
FENIX Arizona Beige 0748

PO71A01FX-0748
FENIX Arizona Beige 0748



BK08FX-0754
FENIX Fes Blue 0754

PO71A01FX-0754
FENIX Fes Blue 0754



BK08FX-0032
FENIX Kos White 0032

PO71A01FX-0032
FENIX Kos White 0032

Customization portal: ***mycustom.eelectron.com***

KNXSWITCHES

Switch OL-U FENIX EDITION

BUTTONS KIT - FRAME 3 MODULES

Kit 4 Buttons - Square



BK04FX-0030
FENIX Alaska White 0030

PO71A03FX-0030
FENIX Alaska White 0030



BK04FX-0720
FENIX Ingo Black 0720

PO71A03FX-0720
FENIX Ingo Black 0720



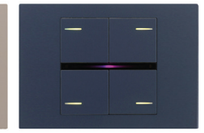
BK04FX-0724
FENIX Bromo Grey 0724

PO71A03FX-0724
FENIX Bromo Grey 0724



BK04FX-0748
FENIX Arizona Beige 0748

PO71A03FX-0748
FENIX Arizona Beige 0748



BK04FX-0754
FENIX Fes Blue 0754

PO71A03FX-0754
FENIX Fes Blue 0754



BK04FX-0032
FENIX Kos White 0032

PO71A03FX-0032
FENIX Kos White 0032

Kit 4 left + 2 right Buttons



BK42FX-0030
FENIX Alaska White 0030

PO71A03FX-0030
FENIX Alaska White 0030



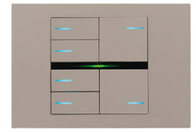
BK42FX-0720
FENIX Ingo Black 0720

PO71A03FX-0720
FENIX Ingo Black 0720



BK04FX-0724
FENIX Bromo Grey 0724

PO71A03FX-0724
FENIX Bromo Grey 0724



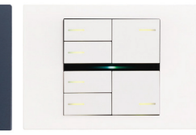
BK42FX-0748
FENIX Arizona Beige 0748

PO71A03FX-0748
FENIX Arizona Beige 0748



BK42FX-0754
FENIX Fes Blue 0754

PO71A03FX-0754
FENIX Fes Blue 0754



BK42FX-0032
FENIX Kos White 0032

PO71A03FX-0032
FENIX Kos White 0032

Kit 2 left + 4 right Buttons



BK24FX-0030
FENIX Alaska White 0030

PO71A03FX-0030
FENIX Alaska White 0030



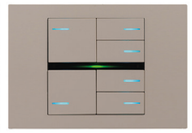
BK24FX-0720
FENIX Ingo Black 0720

PO71A03FX-0720
FENIX Ingo Black 0720



BK24FX-0724
FENIX Bromo Grey 0724

PO71A03FX-0724
FENIX Bromo Grey 0724



BK24FX-0748
FENIX Arizona Beige 0748

PO71A03FX-0748
FENIX Arizona Beige 0748

BK24FX-0754
FENIX Fes Blue 0754

PO71A03FX-0754
FENIX Fes Blue 0754

BK24FX-0032
FENIX Kos White 0032

PO71A03FX-0032
FENIX Kos White 0032

Kit 8 Buttons

BK08FX-0030
FENIX Alaska White 0030

PO71A03FX-0030
FENIX Alaska White 0030

BK08FX-0720
FENIX Ingo Black 0720

PO71A03FX-0720
FENIX Ingo Black 0720

BK08FX-0724
FENIX Bromo Grey 0724

PO71A03FX-0724
FENIX Bromo Grey 0724

BK08FX-0748
FENIX Arizona Beige 0748

PO71A03FX-0748
FENIX Arizona Beige 0748

BK08FX-0754
FENIX Fes Blue 0754

PO71A03FX-0754
FENIX Fes Blue 0754

BK08FX-0032
FENIX Kos White 0032

PO71A03FX-0032
FENIX Kos White 0032

GERMAN DESIGN AWARD WINNER 2025

reddot winner 2024

Switch OL-U METAL EDITION
BUTTONS KIT - FRAME 2 MODULES

Kit 4 Buttons - Square



BK04MT-SH
Silver

PO71A01MT-SH
Silver



BK04MV-CH
Champagne

PO71A01MV-CH
Champagne



BK04MV-GO
Gold

PO71A01MV-GO
Gold



BK04MV-BR
Bronze

PO71A01MV-BR
Bronze



BK04MV-BK
Black

PO71A01MV-BK
Black

Kit 4 left + 2 right Buttons



BK42MT-SH
Silver

PO71A01MT-SH
Silver



BK42MV-CH
Champagne

PO71A01MV-CH
Champagne



BK42MV-GO
Gold

PO71A01MV-GO
Gold



BK42MV-BR
Bronze

PO71A01MV-BR
Bronze



BK42MV-BK
Black

PO71A01MV-BK
Black

Kit 2 left + 4 right Buttons



BK24MT-SH
Silver

PO71A01MT-SH
Silver



BK24MV-CH
Champagne

PO71A01MV-CH
Champagne



BK24MV-GO
Gold

PO71A01MV-GO
Gold



BK24MV-BR
Bronze

PO71A01MV-BR
Bronze



BK24MV-BK
Black

PO71A01MV-BK
Black

Kit 8 Buttons



BK08MT-SH
Silver

PO71A01MT-SH
Silver



BK08MV-CH
Champagne

PO71A01MV-CH
Champagne



BK08MV-GO
Gold

PO71A01MV-GO
Gold



BK08MV-BR
Bronze

PO71A01MV-BR
Bronze



BK08MV-BK
Black

PO71A01MV-BK
Black

Customization portal: ***mycustom.eelectron.com***

KNXSWITCHES

Switch OL-U METAL EDITION
BUTTONS KIT - FRAME 3 MODULES

Kit 4 Buttons - Square



BK04MT-SH
Silver

PO71A03MT-SH
Silver



BK04MV-CH
Champagne

PO71A03MV-CH
Champagne



BK04MV-GO
Gold

PO71A03MV-GO
Gold



BK04MV-BR
Bronze

PO71A03MV-BR
Bronze



BK04MV-BK
Black

PO71A03MV-BK
Black

Kit 4 left + 2 right Buttons



BK42MT-SH
Silver

PO71A03MT-SH
Silver



BK42MV-CH
Champagne

PO71A03MV-CH
Champagne



BK42MV-GO
Gold

PO71A03MV-GO
Gold



BK42MV-BR
Bronze

PO71A03MV-BR
Bronze



BK42MV-BK
Black

PO71A03MV-BK
Black

Kit 2 left + 4 right Buttons



BK24MT-SH
Silver

PO71A03MT-SH
Silver



BK24MV-CH
Champagne

PO71A03MV-CH
Champagne



BK24MV-GO
Gold

PO71A03MV-GO
Gold



BK24MV-BR
Bronze

PO71A03MV-BR
Bronze



BK24MV-BK
Black

PO71A03MV-BK
Black

Kit 8 Buttons



BK08MT-SH
Silver

PO71A03MT-SH
Silver



BK08MV-CH
Champagne

PO71A03MV-CH
Champagne



BK08MV-GO
Gold

PO71A03MV-GO
Gold



BK08MV-BR
Bronze

PO71A03MV-BR
Bronze



BK08MV-BK
Black

PO71A03MV-BK
Black

The code xxxxMV-xx replaces the code xxxxMT-xx

GERMAN DESIGN AWARD WINNER 2025

reddot winner 2024

KNXSWITCHES

KNX Switch LITE Version

The switches SO08L02KNX and SO04L02KNX of the OL-U® KNX series for wall installation are equipped with 4/8 mechanical buttons (8/16 channels) for managing on/off commands, dimmers, rolling shutters and venetian blinds, or other programmable command and control functions.

The device integrates one 2-stage thermostat with integrated PI controller for piloting heating, cooling, valves, 6-way valves, fan coils 2 and 4 pipes.

A freely configurable RGB LED bar is also available for displaying states or other quantities available on the KNX bus.

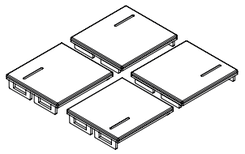
Moreover, 32 logic blocks are available to implement simple expressions with logical or threshold operator or complex expressions with algebraic and conditional operators; It is possible to use predefined algorithms as proportional controls of temperature and humidity or dew point calculation.

The device also integrates the “Virtual Holder Logic”; the field of application is the hotel room: through a magnetic sensor installed on the door and connected to a digital input, accurate presence information is managed. The presence detection solution can deduce the presence of people in the room using one or more dedicated sensors. It also detects an unexpected presence and is able to differentiate more behaviors.

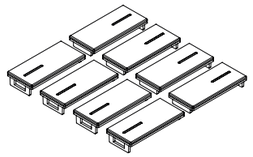
The OL-U® KNX series is available in various colours and can be installed on a 2 or 3 module box and is compatible with the main standards (Italian, German, British, Swiss). The device can be configured via the ETS application program and can communicate with the KNX Data Secure protocol. The KNX communication interface is included.

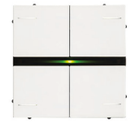


+

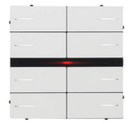


Or





SO04L02KNX-1
Hardware + 4 Buttons
plastic LITE - White



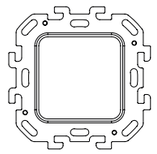
SO04L02KNX-1
Hardware + 8 Buttons
plastic LITE - White



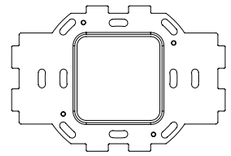
SO04L02KNX-3
Hardware + 4 Buttons
plastic LITE - Black



SO04L02KNX-3
Hardware + 8 Buttons
plastic LITE - Black



FO71A01-2M
Metal mounting frame for devices
2 Modules



FO71A01-3M
Metal mounting frame for devices
3 Modules

Technical Features

Mechanical data	• Device dimensions (without frame): 71x71x25 mm • Frame dimensions 2 Modules: 92x92x11 mm • Frame dimensions 3 Modules: 130x92x11 mm
Mounting	• Flush mounted wall box
Supply	• Via EIB/KNX bus 21 ÷ 32 V DC • Max 30 mA
Terms of use	• Operating temperature: -5 °C +45 °C • Storage temperature: -20 °C +55 °C • Relative humidity (not condensing): max. 90%

Order Codes

KNX Switch - LITE Version

SO04L02KNX-1
Hardware + 4 Buttons plastic LITE | 8 CH RGB LED bar - White

SO04L02KNX-3
Hardware + 4 Buttons plastic LITE | 8 CH RGB LED bar - Black

SO08L02KNX-1
Hardware + 8 Buttons plastic LITE | 16 CH RGB LED bar - White

SO08L02KNX-3
Hardware + 8 Buttons plastic LITE | 16 CH RGB LED bar - Black

Switch OL-U LITE VERSION
FRAME 2 MODULES

Switch LITE 2 Modules 4 Buttons



SO04L02KNX-1
Hardware + 4 Buttons
plastic LITE - White

PO71A01RP-1
Cover frame plastic LITE - White



SO04L02KNX-3
Hardware + 4 Buttons
plastic LITE - Black

PO71A01RP-3
Cover frame plastic LITE - Black

Switch LITE 2 Modules 8 Buttons



SO08L02KNX-1
Hardware + 8 Buttons
plastic LITE - White

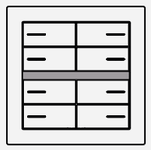
PO71A01RP-1
Cover frame plastic LITE - White



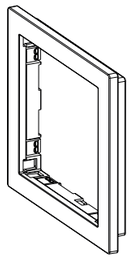
SO08L02KNX-3
Hardware + 8 Buttons
plastic LITE - Black

PO71A01RP-3
Cover frame plastic LITE - Black

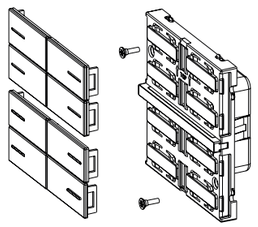
How to order



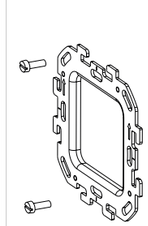
2 MODULES



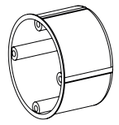
PO71A01RP-X



SO04L02KNX-X
SO08L02KNX-X
Hardware + Buttons



FO71A01-2M



Mounting box not included

KNXSWITCHES

Switch OL-U LITE VERSION
FRAME 3 MODULES

Switch LITE 2 Modules 4 Buttons



SO04L02KNX-1
Hardware + 4 Buttons
plastic LITE - White

PO71A03RP-1
Cover frame plastic LITE - White



SO04L02KNX-3
Hardware + 4 Buttons
plastic LITE - Black

PO71A03RP-3
Cover frame plastic LITE - Black

Switch LITE 2 Modules 8 Buttons



SO08L02KNX-1
Hardware + 8 Buttons
plastic LITE - White

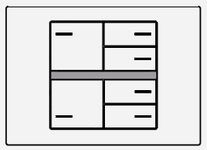
PO71A03RP-1
Cover frame plastic LITE - White



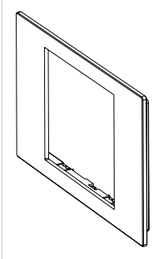
SO08L02KNX-3
Hardware + 8 Buttons
plastic LITE - Black

PO71A03RP-3
Cover frame plastic LITE - Black

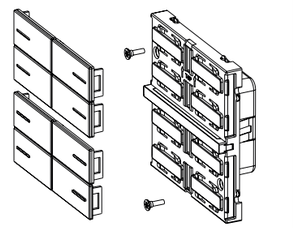
How to order



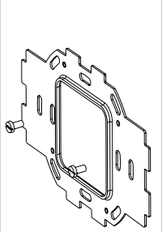
3 MODULES



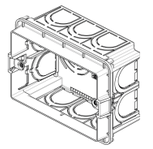
PO71A03RP-1



SO04L02KNX-X
SO08L02KNX-X
Hardware + Buttons



FO71A01-3M



Mounting box not included

Customization portal: ***mycustom.eelectron.com***

KNX Thermostat

The TO04A01KNX environmental sensor is a device of the OL-U® KNX® series for wall installation for 2 and 3 modules, feature an LCD display with adjustable backlighting.
The device can be configured via the ETS® application program and can communicate with the KNX Data Secure protocol.

The device integrates temperature sensor and two 2-stage thermostats for the control of two distinct areas, both with integrated PI controller for piloting heating, cooling, valves, 6-way valves, fan coils 2 and 4 pipes.

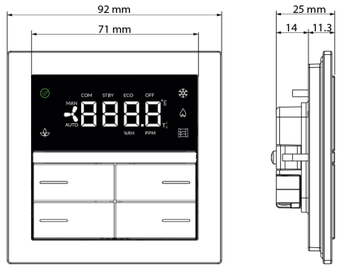
The device is equipped with 4 mechanical buttons (8 channels) for managing on/off commands, dimmers, rolling shutters and venetian blinds, or other programmable command and control functions.
On the front side there is a capacitive bar with swipe function for the implementation of programmable KNX functions.

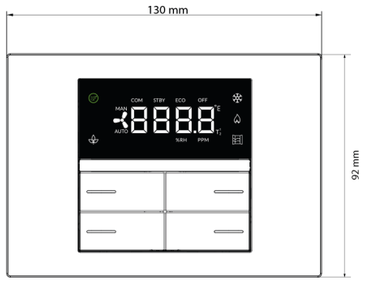
A freely configurable RGB LED bar is also available for displaying states or other quantities available on the KNX bus. Moreover, 32 logic blocks are available to implement simple expressions with logical or threshold operator or complex expressions with algebraic and conditional operators; It is possible to use predefined algorithms as proportional controls of temperature and humidity or dew point calculation.

The device also integrates the “Virtual Holder Logic”; the field of application is the hotel room: through a magnetic sensor installed on the door and connected to a digital input, accurate presence information is managed.
The presence detection solution can deduce the presence of people in the room using one or more dedicated sensors.
It also detects an unexpected presence and is able to differentiate different behaviours.

The OL-U® KNX® series is available in various colours and can be installed on a 2 or 3 module box and is compatible with the main standards (Italian, German, British, Swiss).







Technical Features

Mechanical data	• Device dimensions (without frame): 71x71x25 mm • Frame dimensions 2 Modules: 92x92x11 mm • Frame dimensions 3 Modules: 130x92x11 mm
Mounting	• Flush mounted wall box
Supply	• Via EIB/KNX bus 21 ÷ 32 V DC • Max 30 mA
Terms of use	• Operating temperature: -5 °C +45 °C • Storage temperature: -20 °C +55 °C • Relative humidity (not condensing): max. 90%

Order Codes

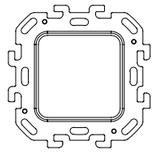
KNX Thermostat

TO04A01KNX
4 Buttons | 8 CH - RGB Swiper

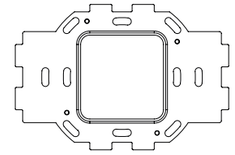
KNX Thermostat



TO04A01KNX
HARDWARE



FO71A01-2M
Metal mounting frame for devices
2 Modules

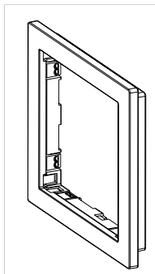


FO71A01-3M
Metal mounting frame for devices
3 Modules

How to order



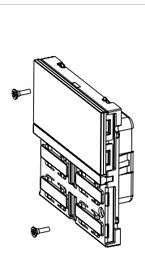
2 MODULES



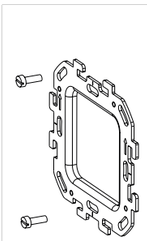
PO71A01XX-XXXX



BKT4XX-XXXX
BK08PLR



SO08A01KNX
Hardware

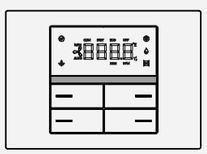


FO71A01-2M

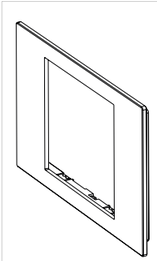


Mounting box not included

How to order



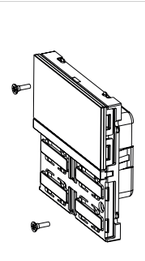
3 MODULES



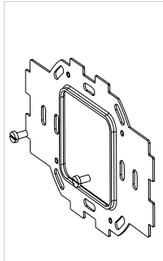
PO71A03XX-XXXX



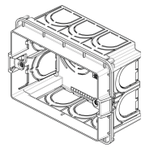
BKT4XX-XXXX
BK08PLR



SO08A01KNX
Hardware



FO71A01-3M



Mounting box not included

KNX Thermostat/Humidistat

The HO04A01KNX environmental sensor is a device of the OL-U® KNX® series for wall installation for 2 and 3 modules, feature an LCD display with adjustable backlighting. The device can be configured via the ETS® application program and can communicate with the KNX Data Secure protocol.

The device integrates temperature sensor and humidity sensors, two 2-stage thermostats for the control of two distinct areas, both with integrated PI controller for piloting heating, cooling, valves, 6-way valves, fan coils 2 and 4 pipes. The humidity sensor manages the reading of the relative humidity in the environment and allows threshold control with hysteresis of humidification and dehumidification devices.

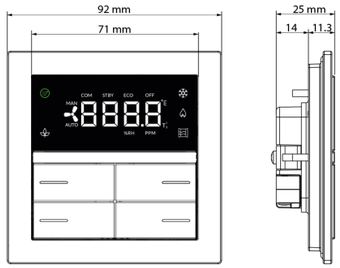
The device is equipped with 4 mechanical buttons (8 channels) for managing on/off commands, dimmers, rolling shutters and venetian blinds, or other programmable command and control functions. On the front side there is a capacitive bar with swipe function for the implementation of programmable KNX functions.

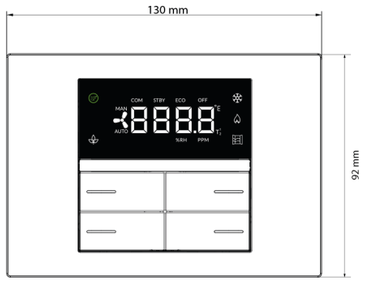
A freely configurable RGB LED bar is also available for displaying states or other quantities available on the KNX bus. Moreover, 32 logic blocks are available to implement simple expressions with logical or threshold operator or complex expressions with algebraic and conditional operators; It is possible to use predefined algorithms as proportional controls of temperature and humidity or dew point calculation.

The device also integrates the “Virtual Holder Logic”; the field of application is the hotel room: through a magnetic sensor installed on the door and connected to a digital input, accurate presence information is managed. The presence detection solution can deduce the presence of people in the room using one or more dedicated sensors. It also detects an unexpected presence and is able to differentiate different behaviours.

The OL-U® KNX® series is available in various colours and can be installed on a 2 or 3 module box and is compatible with the main standards (Italian, German, English, Swiss).







Technical Features

Mechanical data	• Device dimensions (without frame): 71x71x25 mm • Frame dimensions 2 Modules: 92x92x11 mm • Frame dimensions 3 Modules: 130x92x11 mm
Mounting	• Flush mounted wall box
Supply	• Via EIB/KNX bus 21 ÷ 32 V DC • Max 30 mA
Terms of use	• Operating temperature: -5 °C +45 °C • Storage temperature: -20 °C +55 °C • Relative humidity (not condensing): max. 90%

Order Codes

KNX Thermostat/Humidistat

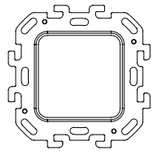
HO04A01KNX
4 Buttons | 8 CH - RGB Swiper

Customization portal: ***mycustom.eelectron.com***

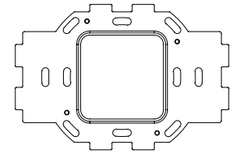
KNXTHERMOSTATS



HO04A01KNX
HARDWARE



FO71A01-2M
Metal mounting frame for devices
2 Modules

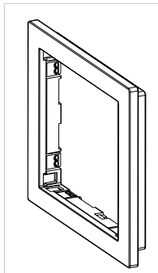


FO71A01-3M
Metal mounting frame for devices
3 Modules

How to order



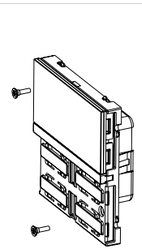
2 MODULES



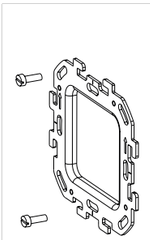
PO71A01XX-XXXX



BKT4XX-XXXX
BK08PLR



HO04A01KNX
Hardware

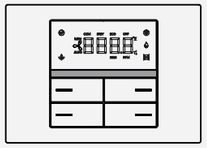


FO71A01-2M

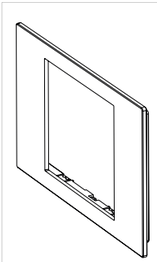


Mounting box not included

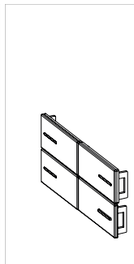
How to order



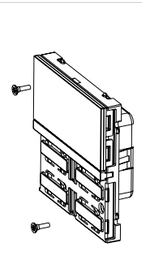
3 MODULES



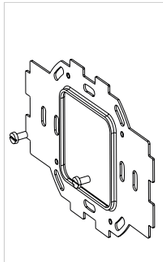
PO71A03XX-XXXX



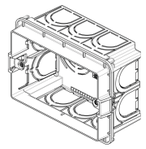
BKT4XX-XXXX
BK08PLR



HO04A01KNX
Hardware



FO71A01-3M



Mounting box not included

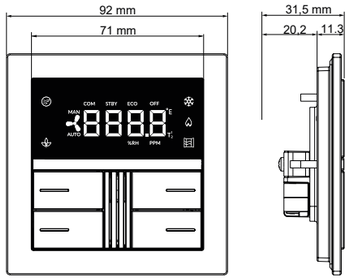
KNX Multisensor
Thermostat/Humidistat/CO_2

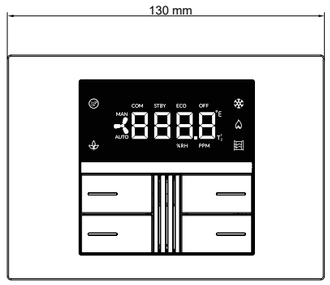
The MO04A01KNX environmental sensor is a device of the OL-U® KNX® series for wall installation for 2 and 3 modules, is equipped with an LCD display with adjustable backlighting. The device integrates temperature, humidity and CO_2 sensors and two 2-stage thermostats for the control of two distinct areas, both with integrated PI controller for piloting heating, cooling, valves, 6-way valves, fan coils 2 and 4 pipes. The humidity sensor manages the reading of the relative humidity in the environment and allows threshold control with hysteresis of humidification and dehumidification devices. The device is equipped with 4 mechanical buttons (4 channels) for managing on/off commands, dimmers, rolling shutters and venetian blinds, or other programmable command and control functions. On the front side of the MO04A01KNX, there is a capacitive bar with swipe function for the implementation of programmable KNX functions.

A freely configurable RGB LED bar is also available for displaying states or other quantities available on the KNX bus. Moreover, 32 logic blocks are available to implement simple expressions with logical or threshold operator or complex expressions with algebraic and conditional operators; It is possible to use predefined algorithms as proportional controls of temperature and humidity or dew point calculation. The device also integrates the “Virtual Holder Logic”; the field of application is the hotel room: through a magnetic sensor installed on the door and connected to a digital input, accurate presence information is managed. The presence detection solution can deduce the presence of people in the room using one or more dedicated sensors.

The OL-U® KNX® series is available in various colours and can be installed on a 2 or 3 module box and is compatible with the main standards (Italian, German, British, Swiss).







Technical Features

Mechanical data	• Device dimensions (without frame): 71x71x25 mm • Frame dimensions 2 Modules: 92x92x11 mm • Frame dimensions 3 Modules: 130x92x11 mm
Mounting	• Flush mounted wall box
Supply	• Via EIB/KNX bus 21 ÷ 32 V DC • Max 30 mA
Terms of use	• Reference standards: EN 50491-2 • Operating temperature: -5 °C +45 °C • Storage temperature: -20 °C +55 °C • Relative humidity (not condensing): max. 90%

Order Codes

KNX Multisensor

MO04A01KNX-1
4 Buttons | 4 CH - RGB Swiper - White

MO04A01KNX-3
4 Buttons | 4 CH - RGB Swiper - Black

MO04A01KNX-4
4 Buttons | 4 CH - RGB Swiper
Helvetia White

Customization portal: ***mycustom.eelectron.com***



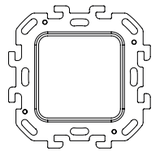
MO04A01KNX-1
HARDWARE - White



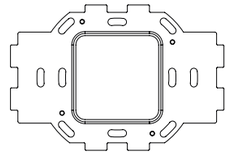
MO04A01KNX-3
HARDWARE - Black



MO04A01KNX-4
HARDWARE - Helvetia white



FO71A01-2M
Metal mounting frame
for devices - 2 Modules



FO71A01-3M
Metal mounting frame for devices
3 Modules

How to order



2 MODULES



PO71A01XX-XXXX

BKT4XX-XXXX



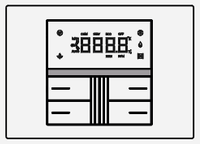
HO04A01KNX
Hardware

FO71A01-2M

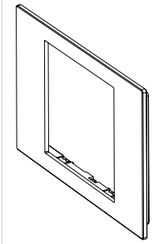


Mounting box not included

How to order



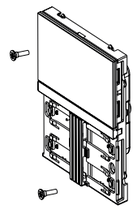
3 MODULES



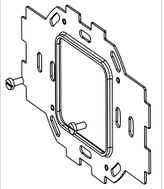
PO71A03XX-XXXX



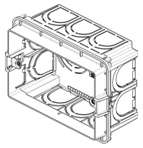
BKT4XX-XXXX



HO04A01KNX
Hardware



FO71A01-3M



Mounting box not included

GERMAN DESIGN AWARD WINNER 2025

reddot winner 2024

Thermostat - Thermostat/Humidistat
OL-U REGULAR VERSION
BUTTONS KIT - FRAME 2 MODULES

Kit 4 **Buttons**



BKT4PLL-1
Painted plastic - White

PO71A01PL-1
Painted plastic - White



BKT4PLL-3
Painted plastic - Black

PO71A01PL-3
Painted plastic - Black



BKT4PLL-4
Painted plastic - Helvetia White

PO71A01PL-4
Painted plastic - Helvetia White



BKT4PL0-1
Painted plastic no line White

PO71A01PL-1
Painted plastic no line White



BKT4PL0-3
Painted plastic no line Black

PO71A01PL-3
Painted plastic no line Black

KNXTHERMOSTATS

Thermostat - Thermostat/Humidistat
OL-U REGULAR VERSION
BUTTONS KIT - FRAME 3 MODULES

TO04A01KNX

HO04A01KNX

Kit 4 **Buttons**



BKT4PLL-1
Painted plastic - White

PO71A03PL-1
Painted plastic - White



BKT4PLL-3
Painted plastic - Black

PO71A03PL-3
Painted plastic - Black



BKT4PL0-1
Painted plastic no line - White

PO71A03PL-1
Painted plastic - White



BKT4PL0-3
Painted plastic no line - Black

PO71A03PL-3
Painted plastic - Black

Multisensor - Thermostat/Humidistat/CO_2
OL-U REGULAR VERSION
BUTTONS KIT - FRAME 2 MODULES

Kit 4 **Buttons**



BKM4PLL-1
Painted plastic - White

PO71A01PL-1
Painted plastic - White



BKM4PLL-3
Painted plastic - Black

PO71A01PL-3
Painted plastic - Black



BKM4PLL-4
Painted plastic - Helvetia White

PO71A01PL-4
Painted plastic - Helvetia White



BKM4PL0-1
Painted plastic no line White

PO71A01PL-1
Painted plastic no line White



BKM4PL0-3
Painted plastic no line Black

PO71A01PL-3
Painted plastic no line Black

Multisensor - Thermostat/Humidistat/CO_2
OL-U REGULAR VERSION
BUTTONS KIT - FRAME 3 MODULES

Kit 4 **Buttons**



BKM4PLL-1
Painted plastic - White

PO71A03PL-1
Painted plastic - White



BKM4PLL-3
Painted plastic - Black

PO71A03PL-3
Painted plastic - Black



BKT4PL0-1
Painted plastic no line - White

PO71A03PL-1
Painted plastic - White



BKT4PL0-3
Painted plastic no line - Black

PO71A03PL-3
Painted plastic - Black

Thermostat - Thermostat/Humidistat
OL-U FENIX EDITION
BUTTONS KIT - FRAME 2 MODULES

Kit 4 Buttons



BKT4FX-0030
FENIX Alaska White 0030

PO71A01FX-0030
FENIX Alaska White 0030



BKT4FX-0720
FENIX Ingo Black 0720

PO71A01FX-0720
FENIX Ingo Black 0720



BKT4FX-0724
FENIX Bromo Grey 0724

PO71A01FX-0724
FENIX Bromo Grey 0724



BKT4FX-0748
FENIX Arizona Beige 0748

PO71A01FX-0748
FENIX Arizona Beige 0748



BKT4FX-0754
FENIX Fes Blue 0754

PO71A01FX-0754
FENIX Fes Blue 0754



BKT4FX-0032
FENIX Kos White 0032

PO71A01FX-0032
FENIX Kos White 0032

KNXTHERMOSTATS

Thermostat - Thermostat/Humidistat
OL-U FENIX EDITION
BUTTONS KIT - FRAME 3 MODULES

TO04A01KNX HO04A01KNX

Kit 4 Buttons



BKT4FX-0030
FENIX Alaska White 0030

PO71A03FX-0030
FENIX Alaska White 0030



BKT4FX-0720
FENIX Ingo Black 0720

PO71A03FX-0720
FENIX Ingo Black 0720



BKT4FX-0724
FENIX Bromo Grey 0724

PO71A03FX-0724
FENIX Bromo Grey 0724



BKT4FX-0748
FENIX Arizona Beige 0748

PO71A03FX-0748
FENIX Arizona Beige 0748



BKT4FX-0754
FENIX Fes Blue 0754

PO71A03FX-0754
FENIX Fes Blue 0754



BKT4FX-0032
FENIX Kos White 0032

PO71A03FX-0032
FENIX Kos White 0032

Thermostat - Thermostat/Humidistat
OL-U METAL EDITION
BUTTONS KIT - FRAME 2 MODULES

Kit 4 Buttons



BKT4MT-SH
Silver

PO71A01MT-SH
Silver



BKT4MV-CH
Champagne

PO71A01MV-CH
Champagne



BKT4MV-GO
Gold

PO71A01MV-GO
Gold



BKT4MV-BR
Bronze

PO71A01MV-BR
Bronze



BKT4MV-BK
Black

PO71A01MV-BK
Black

KNXTHERMOSTATS

Thermostat - Thermostat/Humidistat
OL-U METAL VERSION
BUTTONS KIT - FRAME 3 MODULES

TO04A01KNX

HO04A01KNX

Kit 4 Buttons



BKT4MT-SH
Silver

PO71A03MT-SH
Silver



BKT4MV-CH
Champagne

PO71A03MV-CH
Champagne



BKT4MV-GO
Gold

PO71A03MV-GO
Gold



BKT4MV-BR
Bronze

PO71A03MV-BR
Bronze



BKT4MV-BK
Black

PO71A03MV-BK
Black

KNX Thermostat LITE Version

The TO04L02KNX environmental sensor is a device of the OL-U® KNX® series for wall installation for 2 an 3 modules, is features an LCD display with adjustable backlighting. The device can be configured via the ETS® application program and can communicate with the KNX Data Secure protocol.

The device integrates temperature sensor and two 2-stage thermostats for the control of two distinct areas, both with integrated PI controller for piloting heating, cooling, valves, 6-way valves, fan coils 2 and 4 pipes.

The device is equipped with 4 mechanical buttons (8 channels) for managing on/off commands, dimmers, rolling shutters and venetian blinds, or other programmable command and control functions.

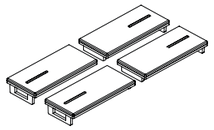
A freely configurable RGB LED bar is also available for displaying states or other quantities available on the KNX bus. Moreover, 32 logic blocks are available to implement simple expressions with logical or threshold operator or complex expressions with algebraic and conditional operators; It is possible to use predefined algorithms as proportional controls of temperature and humidity or dew point calculation.

The device also integrates the “Virtual Holder Logic”; the field of application is the hotel room: through a magnetic sensor installed on the door and connected to a digital input, accurate presence information is managed.
The presence detection solution can deduce the presence of people in the room using one or more dedicated sensors.
It also detects an unexpected presence and is able to differentiate different behaviours.

The OL-U® KNX® series is available in various colours and can be installed on a 2 or 3 module box and is compatible with the main standards (Italian, German, British, Swiss).



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Technical Features

Mechanical data	• Device dimensions (without frame): 71x71x25 mm • Frame dimensions 2 Modules: 92x92x11 mm • Frame dimensions 3 Modules: 130x92x11 mm
Mounting	• Flush mounted wall box
Supply	• Via EIB/KNX bus 21 ÷ 32 V DC • Max 30 mA
Terms of use	• Operating temperature: -5 °C +45 °C • Storage temperature: -20 °C +55 °C • Relative humidity (not condensing): max. 90%

Order Codes

KNX Thermostat

TO04L02KNX-1
Hardware + 4 Buttons plastic LITE | 4 CH RGB LED bar - White

TO04L02KNX-3
Hardware + 4 Buttons plastic LITE | 4 CH RGB LED bar - Black

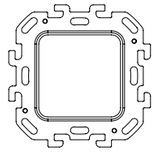
KNXTHERMOSTATS



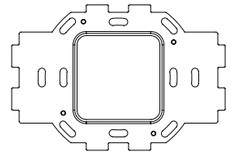
TO04L02KNX-1
Hardware + 4 Buttons
plastic LITE - White



TO04L02KNX-3
Hardware + 4 Buttons
plastic LITE - Black

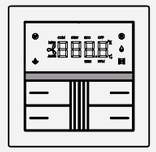


FO71A01-2M
Metal mounting frame
for devices - 2 Modules

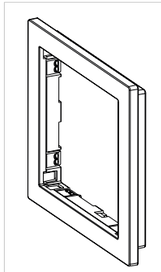


FO71A01-3M
Metal mounting frame for devices
3 Modules

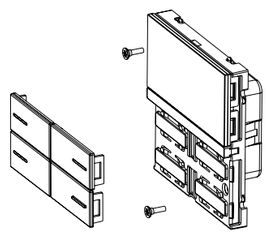
How to order



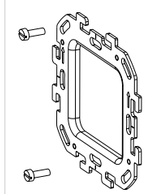
2 MODULES



PO71A01XX-XXXX



TO04L02KNX-1
TO04L02KNX-3
Hardware + Buttons

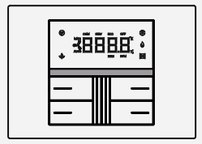


FO71A01-2M

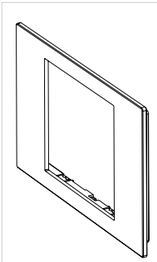


Mounting box not included

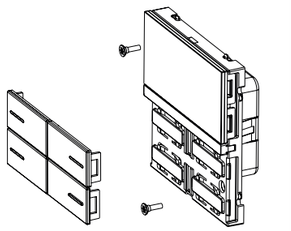
How to order



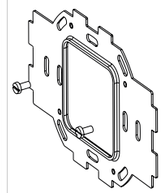
3 MODULES



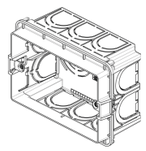
PO71A03XX-XXXX



TO04L02KNX-1
TO04L02KNX-3
Hardware + Buttons



FO71A01-3M



Mounting box not included

GERMAN DESIGN AWARD WINNER 2025

reddot winner 2024

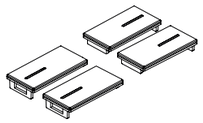
KNX Multisensor LITE Version
Thermostat/Humidistat/CO_2

The MO04L02KNX environmental sensors LITE Version are devices of the OL-U® KNX® series for wall installation for 2 and 3 modules, equipped with an LCD display with adjustable backlight. The device integrates temperature, humidity and CO_2 sensors and two 2-stage thermostats for the control of two distinct areas, both with integrated PI controller for piloting heating, cooling, valves, 6-way valves, fan coils 2 and 4 pipes. The humidity sensor manages the reading of the relative humidity in the environment and allows threshold control with hysteresis of humidification and dehumidification devices. The device is equipped with 4 mechanical buttons (4 channels) for managing on/off commands, dimmers, rolling shutters and venetian blinds, or other programmable command and control functions.

A freely configurable RGB LED bar is also available for displaying states or other quantities available on the KNX bus. Moreover, 32 logic blocks are available to implement simple expressions with logical or threshold operator or complex expressions with algebraic and conditional operators; It is possible to use predefined algorithms as proportional controls of temperature and humidity or dew point calculation. The device also integrates the “Virtual Holder Logic”; the field of application is the hotel room: through a magnetic sensor installed on the door and connected to a digital input, accurate presence information is managed. The presence detection solution can deduce the presence of people in the room using one or more dedicated sensors. It also detects an unexpected presence and is able to differentiate more behaviours.

The OL-U® KNX® series is available in various colours and can be installed on a 2 or 3 module box and is compatible with the main standards (Italian, German, British, Swiss). The device can be configured via the ETS application program and can communicate with the KNX Data Secure protocol. The KNX communication interface is included.





Technical Features

Mechanical data	• Device dimensions (without frame): 71x71x25 mm • Frame dimensions 2 Modules: 92x92x11 mm • Frame dimensions 3 Modules: 130x92x11 mm
Mounting	• Flush mounted wall box
Supply	• Via EIB/KNX bus 21 ÷ 32 V DC • Max 30 mA
Terms of use	• Operating temperature: -5 °C +45 °C • Storage temperature: -20 °C +55 °C • Relative humidity (not condensing): max. 90%

Order Codes

KNX Multisensor

MO04L02KNX-1
Hardware + 4 Buttons plastic LITE | 4 CH RGB LED bar - White

MO04L02KNX-3
Hardware + 4 Buttons plastic LITE | 4 CH RGB LED bar - Black

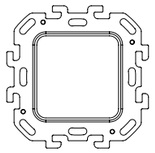
KNXTHERMOSTATS



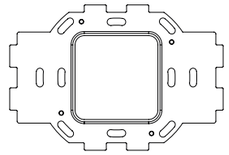
MO04L02KNX-1
Hardware + 4 Buttons plastic LITE - White



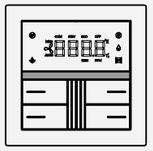
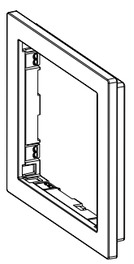
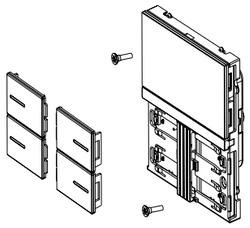
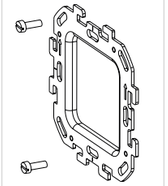
MO04L02KNX-3
Hardware + 4 Buttons plastic LITE - Black



FO71A01-2M
Metal mounting frame for devices - 2 Modules

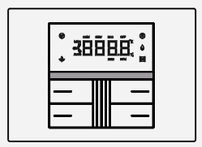
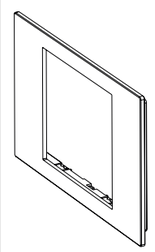
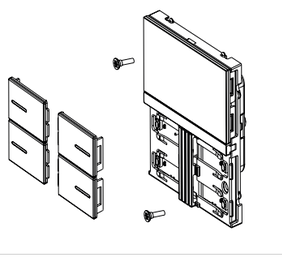
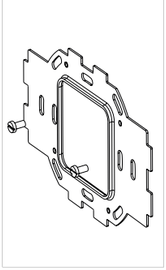


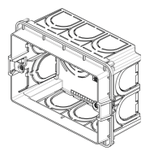
FO71A01-3M
Metal mounting frame for devices 3 Modules

How to order			
			
2 MODULES	PO71A01XX-X	MO04L02KNX-1 MO04L02KNX-3 Hardware + Buttons	FO71A01-2M



Mounting box not included

How to order			
			
3 MODULES	PO71A03XX-X	MO04L02KNX-1 MO04L02KNX-3 Hardware + Buttons	FO71A01-3M



Mounting box not included

Thermostat
OL-U LITE Version
FRAME 2 MODULES

Thermostat LITE 2 Modules
4 Buttons



TO04L02KNX-1
Hardware + 4 Buttons
plastic LITE - White

PO71A01RP-1
Cover frame plastic LITE - White



TO04L02KNX-3
Hardware + 4 Buttons
plastic LITE - Black

PO71A01RP-3
Cover frame plastic LITE - Black

Multisensor - Thermostat/Humidistat/CO_2
OL-U LITE Version
FRAME 2 MODULES

Multisensor LITE 2 Modules
4 Buttons



MO04L02KNX-1
Hardware + 4 Buttons
plastic LITE - White

PO71A01RP-1
Cover frame plastic LITE - White



MO04L02KNX-3
Hardware + 4 Buttons
plastic LITE - Black

PO71A01RP-3
Cover frame plastic LITE - Black

KNXTHERMOSTATS

Thermostat
OL-U LITE Version
FRAME 3 MODULES

Thermostat LITE 3 Modules
4 Buttons



TO04L02KNX-1
Hardware + 4 Buttons
plastic LITE - White

PO71A03RP-1
Cover frame plastic LITE - White



TO04L02KNX-3
Hardware + 4 Buttons
plastic LITE - Black

PO71A03RP-3
Cover frame plastic LITE - Black

Multisensor - Thermostat/Humidistat/CO_2
OL-U LITE Version
FRAME 3 MODULES

Multisensor LITE 3 Modules
4 Buttons



MO04L02KNX-1
Hardware + 4 Buttons
plastic LITE - White

PO71A03RP-1
Cover frame plastic LITE - White



MO04L02KNX-3
Hardware + 4 Buttons
plastic LITE - Black

PO71A03RP-3
Cover frame plastic LITE - Black

OL-U Cover Frame 71-S
REGULAR VERSION

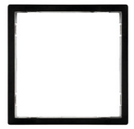
Minimal-design 71-S cover frame for OL-U range switches, thermostats, humidistats and multisensors.
Available in 2-module format, made of painted plastic in white, Helvetia white and black.



71-S



PO71S01PL-1
Painted plastic - White

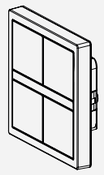


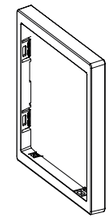
PO71S01PL-3
Painted plastic - Black



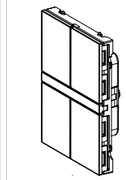
PO71S01PL-4
Painted plastic - Helvetia White

How to order

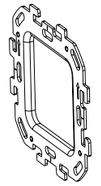




PO71S01PL-X



Hardware with buttons



FO71A01-2M



Mounting box not included

OL-U Surface Mounting Boxes
REGULAR VERSION

Ideal for applications where installation in flush mounting boxes is not possible, it provides a practical and functional solution while maintaining a clean and essential design. The structure is engineered to facilitate wiring and reduce installation time, while ensuring stable and precise wall fixing. Available in painted plastic material, in white, Helvetia white and black finishes.

D17 for all OL-U devices except Mod. MO04A01KNX and MO04L02KNX
D25 for all OL-U devices



D17



SFBOA17-1
Painted plastic - White



SFBOA17-3
Painted plastic - Black



SFBOA17-4
Painted plastic - Helvetia White

D25



SFBOA25-1
Painted plastic - White

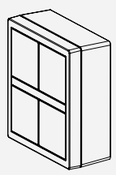


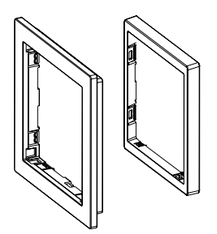
SFBOA25-3
Painted plastic - Black



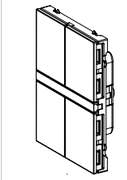
SFBOA25-4
Painted plastic - Helvetia White

How to order

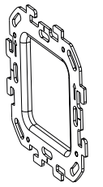




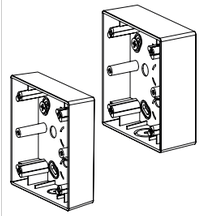
PO71A01XX-XXXX
PO71A03XX-XXXX
PO71S01PL-X



Hardware with buttons



FO71A01-2M



SFBOA17-X
Valid for all OL-U devices except models MO04A01KNX and MO04L02KNX
SFBOA25-X

Double Cover OL-U for devices

2X71MM

REGULAR VERSION

PO71A71PL-1
Cover frame double 2x71
Painted plastic - White



PO71A71PL-3
Cover frame double 2x71
Painted plastic - Black

PO71A71PL-4
Cover frame double 2x71
Painted plastic - Helvetia White

FENIX EDITION

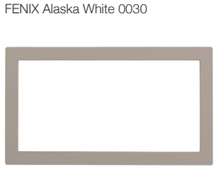
PO71A71FX-0030
Cover frame double 2x71
FENIX Alaska White 0030



PO71A71FX-0720
Cover frame double 2x71
FENIX Ingo Black 0720



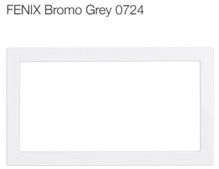
PO71A71FX-0724
Cover frame double 2x71
FENIX Bromo Grey 0724



PO71A71FX-0748
Cover frame double 2x71
FENIX Arizona Beige 0748



PO71A71FX-0754
Cover frame double 2x71
FENIX Fes Blue 0754



PO71A71FX-0032
Cover frame double 2x71
FENIX Kos White 0032

METAL EDITION



PO71A71MT-SH
Cover frame double 2x71
Silver



PO71A71MV-CH
Cover frame double 2x71
Champagne



PO71A71MV-GO
Cover frame double 2x71
Gold



PO71A71MV-BR
Cover frame double 2x71
Bronze



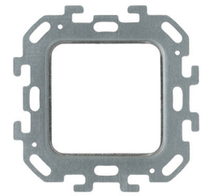
PO71A71MV-BK
Cover frame double 2x71
Black

The code xxxxMV-xx replaces the code xxxxMT-xx

OL-U Metal mounting frame for devices

2, 3 AND 2X71

Metal mounting frame for OL-U devices
2-module, 3-module and 2x71 double frames.



Order Codes

Metal Mounting Frame - 2 Modules

FO71A01-2M
Mounting frame for devices - 2M - 1pc.

FO71A02-2M
Mounting frames for devices - 2M - 10pc.

Metal Mounting Frame - 3 Modules

FO71A01-3M
Mounting frame for devices - 3M - 1pc.

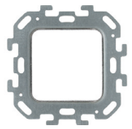
FO71A02-3M
Mounting frames for devices - 3M - 10pc.

Metal Mounting Double Frame 2X71

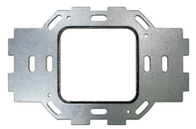
FOXXA01-7171
Mounting frame for devices - 2X71 - 1pc.

FOXXA01-7171S
Mounting frames for devices standard 60 (Swiss) - 2X71 - 1pc.

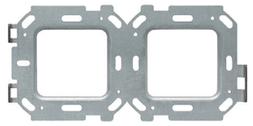
Metal frame for devices



FOXXA01-2M
Metal mounting frame for sockets - 2 Modules

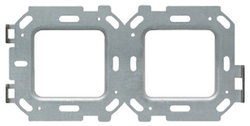


FOXXA01-3M
Metal mounting frame for sockets - 3 Modules



FOXXA01-7171
Metal mounting double frame for devices - 2X71

Metal frame for devices Swiss Standard



FOXXA01-7171S
Metal mounting double frame for devices swiss standard - 2X71

GERMAN DESIGN AWARD WINNER 2025

reddot winner 2024

Double Cover OL-U for devices + sockets
71+45MM

REGULAR VERSION

PO71A45PL-1
Cover frame double 71+45
Painted plastic - White



PO71A45PL-3
Cover frame double 71+45
Painted plastic - Black

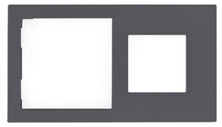
FENIX EDITION



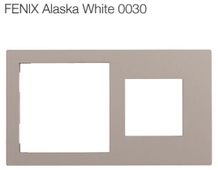
PO71A45FX-0030
Cover frame double 71+45
FENIX Alaska White 0030



PO71A45FX-0720
Cover frame double 71+45
FENIX Ingo Black 0720



PO71A45FX-0724
Cover frame double 71+45
FENIX Bromo Grey 0724



PO71A45FX-0748
Cover frame double 71+45
FENIX Arizona Beige 0748



PO71A45FX-0754
Cover frame double 71+45
FENIX Fes Blue 0754



PO71A45FX-0032
Cover frame double 71+45
FENIX Kos White 0032

METAL EDITION



PO71A45MT-SH
Cover frame double 71+45
Silver



PO71A45MV-CH
Cover frame double 71+45
Champagne



PO71A45MV-GO
Cover frame double 71+45
Gold



PO71A45MV-BR
Cover frame double 71+45
Bronze



PO71A45MV-BK
Cover frame double 71+45
Black

DEVICEFRAMES

Double Cover OL-U for devices + sockets
71+55MM

REGULAR VERSION

PO71A55PL-1
Cover frame double 71+55
Painted plastic - White



PO71A55PL-3
Cover frame double 71+55
Painted plastic - Black

FENIX EDITION

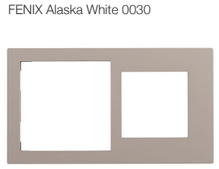
PO71A55FX-0030
Cover frame double 71+55
FENIX Alaska White 0030



PO71A55FX-0720
Cover frame double 71+55
FENIX Ingo Black 0720



PO71A55FX-0724
Cover frame double 71+55
FENIX Bromo Grey 0724



PO71A55FX-0748
Cover frame double 71+55
FENIX Arizona Beige 0748

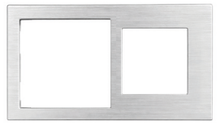


PO71A55FX-0754
Cover frame double 71+55
FENIX Fes Blue 0754



PO71A55FX-0032
Cover frame double 71+55
FENIX Kos White 0032

METAL EDITION



PO71A55MT-SH
Cover frame double 71+55
Silver



PO71A55MV-CH
Cover frame double 71+55
Champagne



PO71A55MV-GO
Cover frame double 71+55
Gold



PO71A55MV-BR
Cover frame double 71+55
Bronze



PO71A55MV-BK
Cover frame double 71+55
Black

The code xxxxMV-xx replaces the code xxxxMT-xx

GERMAN DESIGN AWARD WINNER 2025

reddot winner 2024

Double Cover OL-U for devices + sockets

71+60MM

REGULAR VERSION

PO71A60PL-4
Cover frame double 71+60
Painted plastic - Helvetia white



PO71A60PL-3
Cover frame double 71+60
Painted plastic - Black

FENIX EDITION

PO71A60FX-0030
Cover frame double 71+60
FENIX Alaska White 0030



PO71A60FX-0720
Cover frame double 71+60
FENIX Ingo Black 0720



PO71A60FX-0724
Cover frame double 71+60
FENIX Bromo Grey 0724



PO71A60FX-0748
Cover frame double 71+60
FENIX Arizona Beige 0748



PO71A60FX-0754
Cover frame double 71+60
FENIX Fes Blue 0754

PO71A60FX-0032
Cover frame double 71+60
FENIX Kos White 0032

DEVICEFRAMES

Triple Cover OL-U for devices + sockets

71+55+55MM

REGULAR VERSION

PO71T55PL-1
Triple cover frame 71+55+55
Painted plastic - White



PO71T55PL-3
Triple cover frame 71+55+55
Painted plastic - Black

FENIX EDITION

PO71T55FX-0030
Triple cover frame 71+55+55
FENIX Alaska White 0030



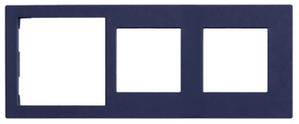
PO71T55FX-0720
Triple cover frame 71+55+55
FENIX Black 0720



PO71T55FX-0724
Triple cover frame 71+55+55
FENIX Bromo Grey 0724



PO71T55FX-0748
Triple cover frame 71+55+55
FENIX Arizona Beige 0748

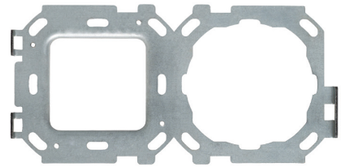


PO71T55FX-0754
Triple cover frame 71+55+55
FENIX Fes Blue 0754

PO71T55FX-0032
Triple cover frame 71+55+55
FENIX Kos White 0032

OL-U Metal mounting frame for device + socket

Metal mounting frame for 2-, 3- and 4-module socket frame, and Swiss standard.



Order Codes

Metal Mounting Frame double for Devices + Socket

FOXXA01-71XX
Metal mounting double frame
71+55 or 71+45

FOXXA01-7160
Metal mounting double frame
swiss standard 71+60

Metal Mounting Frame triple for Devices + Socket

FOXXT01-71XX
Metal mounting triple frame
71+55+55

Plastic LITE

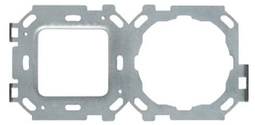
STANDARD 55 MM	STANDARD 45 MM	STANDARD 60 MM
Berker S.1/B.3/B.7	4BOX	Feller EDIZIOdue
Gira System 55	AVE sistema 44 (only 2 modules)	
Merten System M	BTICINO LIVING LIGHT	
Smarterliving bv	GEWISS (only 2 modules)	
Jung A/AS series	VIMAR ARKE'	
	VIMAR PLANA	

NOTE
For all cover plates for sockets, it is necessary to purchase the inserts, sockets, and mounting supports for 502-503-504 mounting boxes from the respective manufacturers.

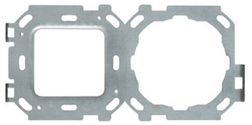
For the VIMAR ARKÈ, VIMAR PLANA, and BTICINO LIVING LIGHT brands, use compatible plastic supports (codes: AJ.19.L.02 - AJ.19.L.03 - AJ.19.L.04).

METALMOUNTINGFRAMES

Metal double frame for devices + socket

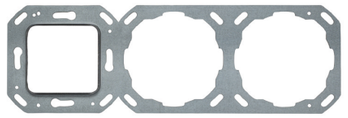


FOXXA01-71XX
Metal mounting double frame for device + socket 71+55 or 71+45



FOXXA01-7160
Metal mounting double frame for device + socket 71+60

Metal triple frame for devices + socket



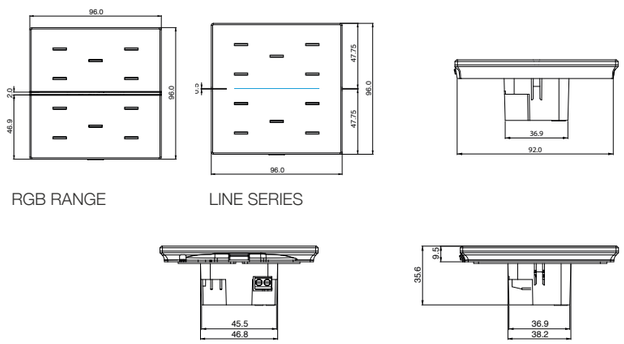
FOXXT01-71XX
Metal mounting triple frame for device + socket 71+55+55

KNX Capacitive Switch

The KNX® 9025 switch range consists of 4 - 8 - 10 channels capacitive buttons. Each button can be configured to manage on/off commands, dimming, shutters and venetians control, scene recall and control, objects sequences etc.
Device includes a 2 stage Room Temperature Controller with integrated PI to control heating and cooling equipments, valves, 2 and 4 pipes fan coils; etc. Device has an embedded temperature sensor and a rear 2 poles connector configurable as digital or analog input; It's possible to connect an additional NTC temperature probe (eelectron codes TS01A01ACC / TS01B01ACC / TS01D01ACC not included) to perform a direct temperature measurement.
9025 range has a RGB LED bar on the front side in order to visualize feedbacks or other values available over the KNX bus (function available on the RGB range). Devices are available in 2 ranges: RGB LINE and RGB double glass; each range may have glasses in CUSTOM version. Using glasses in CUSTOM version is possible to light up custom and interchangeable icons matching with the associated function. The 9025 KNX® range is mounted in 2 module box and is compliant with main standards (British, German, Italian, etc). Device is equipped with KNX communication interface.

Technical Features

Mechanical data	• Dimensions: (W x H x D) 96 x 96 x 36 mm
Mounting	• British box, German box or Italian 2 modules box
Supply	• Via EIB/KNX bus cable: 21 ÷ 32 V DC • Max 20 mA
Rear Input - digital mode	• For free potential contacts (dry contacts) • Max. length of Connecting Cables ≤ 10 m (twisted cable)
Rear input - analog mode for temperature probe	For NTC temperature probe eelectron code: • TS01A01ACC (range from -20°C to +100°C) • TS01B01ACC (range from -50°C to +60°C) • TS01D01ACC (range from -40°C to 125°C) • Max. length of Connecting Cable: ≤ 20 m (twisted cable)



RGB RANGE LINE SERIES

Customization portal: *mycustom.eelectron.com*

2 Modules Version



Order Codes

KNX Capacitive Switch Boards

CS10A01KNX-1
KNX Capacitive switch + Thermostat White

CS10A01KNX-3
KNX Capacitive switch + Thermostat Black

RGB Line Series Covers

9025GL04L01 Single glass 4 ch. - White
9025GL08L01 Single glass 8 ch. - White
9025GL10L01 Single glass 10 ch. - White
9025GL04L03 Single glass 4 ch. - Black
9025GL08L03 Single glass 8 ch. - Black
9025GL10L03 Single glass 10 ch. - Black

9025GL04LM1 Single glass 4 ch. White Matte
9025GL08LM1 Single glass 8 ch. White Matte
9025GL10LM1 Single glass 10 ch. White Matte
9025GL04LM3 Single glass 4 ch. Black Matte
9025GL08LM3 Single glass 8 ch. Black Matte
9025GL10LM3 Single glass 10 ch. Black Matte

RGB Range Covers

9025GL04B01 Double Glass 4 ch. - White
9025GL08B01 Double Glass 8 ch. - White
9025GL10B01 Double Glass 10 ch. - White
9025GL04B03 Double Glass 4 ch. - Black
9025GL08B03 Double Glass 8 ch. - Black
9025GL10B03 Double Glass 10 ch. - Black

Line Series & RGB Range Covers Custom

9025GL10D01
CUSTOM double glass - White

9025GL10D03
CUSTOM double glass - Black

9025GL10W01
CUSTOM single glass - White

9025GL10W03
CUSTOM single glass - Black

CAPACITIVESWITCHES

9025 evolving skills

2 Modules Version

KNX Capacitive Switch Boards



CS10A01KNX-1
Capacitive switch KNX - White



CS10A01KNX-3
Capacitive switch KNX - Black

RGB Line Series Covers

9025GL04L01
Single glass 4 ch.
White

9025GL04LM1
Single glass 4 ch.
White Matte

9025GL08L01
Single glass 8 ch.
White

9025GL08LM1
Single glass 8 ch.
White Matte

9025GL10L01
Single glass 10 ch.
White

9025GL10LM1
Single glass 10 ch.
White Matte



9025GL04L03
Single glass 4 ch.
Black



9025GL04LM3
Single glass 4 ch.
Black Matte



9025GL08L03
Single glass 8 ch.
Black



9025GL08LM3
Single glass 8 ch.
Black Matte



9025GL10L03
Single glass 10 ch.
Black



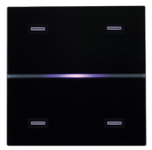
9025GL10LM3
Single glass 10 ch.
Black Matte

RGB Double Glass Range Covers

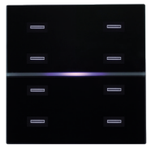
9025GL04B01
Double glass 4 ch. - White

9025GL08B01
Double glass 8 ch. - White

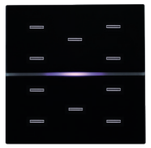
9025GL10B01
Double glass 10 ch. - White



9025GL04B03
Double glass 4 ch. - Black



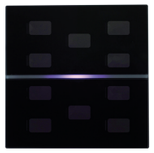
9025GL08B03
Double glass 8 ch. - Black



9025GL10B03
Double glass 10 ch. - Black

Line Series & Double Glass Range Covers — CUSTOM

9025GL10D01
CUSTOM double glass - White



9025GL10D03
CUSTOM double glass - Black

9025GL10W01
CUSTOM single glass - White



9025GL10W03
CUSTOM single glass - Black

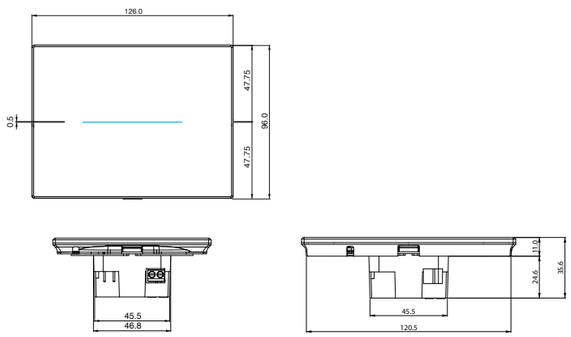
CUSTOM version covers have to be associated with dedicated interchangeable icons sheets.

KNX Capacitive Switch

The KNX® 9025 switch range consists of 4 - 8 - 10 channels capacitive buttons. Each button can be configured to manage on/off commands, dimming, shutters and venetians control, scene recall and control, objects sequences etc.
Device includes a 2 stage Room Temperature Controller with integrated PI to control heating and cooling equipments, valves, 2 and 4 pipes fan coils; etc. Device has an embedded temperature sensor and a rear 2 poles connector configurable as digital or analog input; It's possible to connect an additional NTC temperature probe (eelectron codes TS01A01ACC / TS01B01ACC / TS01D01ACC not included) to perform a direct temperature measurement.
9025 range has a RGB LED bar on the front side in order to visualize feedbacks or other values available over the KNX bus (function available on the RGB range). Devices are available in 2 ranges: RGB LINE and RGB double glass; each range may have glasses in CUSTOM version. Using glasses in CUSTOM version is possible to light up custom and interchangeable icons matching with the associated function. The 9025 KNX® range is mounted in 3 module box and is compliant with main standards (British, German, Italian, etc). Device is equipped with KNX communication interface.

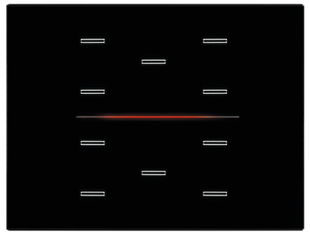
Technical Features

Mechanical data	• Dimensions: (W x H x D) 96 x 126 x 36 mm
Mounting	• British box, German box or Italian 2/3 modules box
Supply	• Via EIB/KNX bus cable: 21 ÷ 32 V DC • Max 20 mA
Rear Input - digital mode	• For free potential contacts (dry contacts) • Max. length of Connecting Cables ≤ 10 m (twisted cable)
Rear input - analog mode for temperature probe	For NTC temperature probe eelectron code: • TS01A01ACC (range from -20°C to +100°C) • TS01B01ACC (range from -50°C to +60°C) • TS01D01ACC (range from -40°C to 125°C) • Max. length of Connecting Cable: ≤ 20 m (twisted cable)



Customization portal: *mycustom.eelectron.com*

3 Modules Version



Order Codes

KNX Capacitive Switch Boards

CS10A01KNX-1-3M
KNX Capacitive switch + Thermostat
3 Modules - White

CS10A01KNX-3-3M
KNX Capacitive switch + Thermostat
3 Modules - Black

RGB Line Series Covers

9025GL304L01
Glass 4 channels - 3 Modules - White

9025GL308L01
Glass 8 channels - 3 Modules - White

9025GL310L01
Glass 10 channels - 3 Modules - White

9025GL304L03
Glass 4 channels - 3 Modules - Black

9025GL308L03
Glass 8 channels - 3 Modules - Black

9025GL310L03
Glass 10 channels - 3 Modules - Black

9025GL304LM1
Glass 4 channels - 3 Modules - White Matte

9025GL308LM1
Glass 8 channels - 3 Modules - White Matte

9025GL310LM1
Glass 10 channels - 3 Modules - White Matte

9025GL304LM3
Glass 4 channels - 3 Modules - Black Matte

9025GL308LM3
Glass 8 channels - 3 Modules - Black Matte

9025GL310LM3
Glass 10 channels - 3 Modules - Black Matte

RGB Line Series Covers — Custom

9025GL310W01
Custom glass - 3 Modules - White

9025GL310W03
Custom glass - 3 Modules - Black

9025 evolving skills

3 Modules Version

KNX Capacitive Switch Boards



CS10A01KNX-1-3M
Capacitive switch KNX - White



CS10A01KNX-3-3M
Capacitive switch KNX - Black

RGB Line Series Covers

9025GL304L01
Glass 4 ch. - 3 Modules - White

9025GL308L01
Glass 8 ch. - 3 Modules - White

9025GL310L01
Glass 10 ch. - 3 Modules - White



9025GL304L03
Glass 4 ch. - 3 Modules - Black



9025GL308L03
Glass 8 ch. - 3 Modules - Black



9025GL310L03
Glass 10 ch. - 3 Modules - Black

9025GL304LM1
Glass 4 ch. - 3 Modules - White Matte

9025GL308LM1
Glass 8 ch. - 3 Modules - White Matte

9025GL310LM1
Glass 10 ch. - 3 Modules - White Matte



9025GL304LM3
Glass 4 ch. - 3 Modules - Black Matte



9025GL308LM3
Glass 8 ch. - 3 Modules - Black Matte



9025GL310LM3
Glass 10 ch. - 3 Modules - Black Matte

RGB Line Series Covers — CUSTOM

9025GL310D01
CUSTOM glass - 3 Modules - White



9025GL310D03
CUSTOM glass - 3 Modules - Black

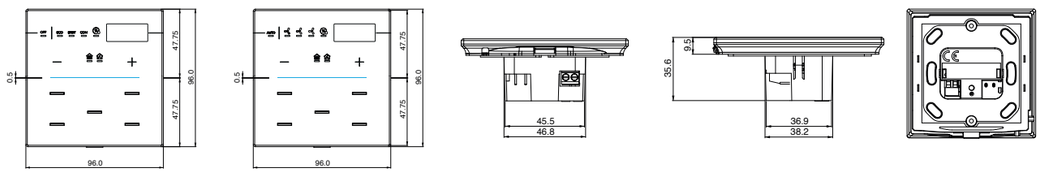
CUSTOM version covers have to be associated with dedicated interchangeable icons sheets.

KNX Thermostat/Humidistat

The 9025 thermostat is a KNX® room temperature controller that includes 7 configurable capacitive buttons for on / off, dimming, rolling shutters and venetian controls, scene recall and control, object sequences, local thermostat controls, etc.
Device offers a 2 stage thermostat with integrated PI controller to control heating and cooling equipments, valves, 2 and 4 pipes fan coils etc.
Device has an embedded temperature sensor and a rear 2 poles connector, configurable as digital or analog input; It's possible to connect an additional NTC temperature probe (eelectron codes TS01A01ACC / TS01B01ACC / TS01D01ACC not included) to perform a direct temperature measurement.
A version with integrated temperature and relative humidity sensor is available usable for controlling actuators for ambient humidity control.
9025 range has a RGB LED bar on the front side in order to visualize thermostat operating modes or feedbacks and other values available over the KNX bus. The device includes an RGB LED bar on the front to display status or other values available on the KNX bus. Glass covers are available for HOTEL or RESIDENTIAL applications; both covers can be in CUSTOM version. Using glasses in CUSTOM version is possible to light up custom and interchangeable icons matching with the associated function.
The 9025 KNX® range is mounted in 2 module box and is compliant with main standards (British, German, Italian, etc).
Device is equipped with KNX communication interface.

Technical Features

Mechanical data	• Dimensions: (W x H x D) 96 x 96 x 36 mm
Mounting	• British box, German box or Italian 2 modules box
Supply	• Via EIB/KNX bus cable: 21 ÷ 32 V DC • Max 20 mA
Rear Input - digital mode	• For free potential contacts (dry contacts) • Max. length of Connecting Cables ≤ 10 m (twisted cable)
Rear input - analog mode for temperature probe	For NTC temperature probe eelectron code: • TS01A01ACC (range from -20°C to +100°C) • TS01B01ACC (range from -50°C to +60°C) • TS01D01ACC (range from -40°C to 125°C) • Max. length of Connecting Cable: ≤ 20 m (twisted cable)



Customization portal: ***mycustom.eelectron.com***

2 Modules Version



Order Codes

KNX Thermostat/Humidistat Boards

RT07A01KNX-1 KNX Capacitive Thermostat - White
RH07A01KNX-1 KNX Capacitive Thermostat/Humidistat White
RT07A01KNX-3 KNX Capacitive Thermostat - Black
RH07A01KNX-3 KNX Capacitive Thermostat/Humidistat Black

Thermostat/Humidistat Covers

9025GT07L01-R Single glass - RESIDENTIAL display - White
9025GT07L01-H Single glass - HOTEL display - White
9025GT07L03-R Single glass - RESIDENTIAL display - Black
9025GT07L03-H Single glass - HOTEL display - Black

9025GT07LM1-R Single glass - RESIDENTIAL display - White matte
9025GT07LM1-H Single glass - HOTEL display - White matte
9025GT07LM3-R Single glass - RESIDENTIAL display - Black matte
9025GT07LM3-H Single glass - HOTEL display - Black matte

Custom version Cover

9025GT07W01-R CUSTOM single glass RESIDENTIAL - White
9025GT07W03-R CUSTOM single glass RESIDENTIAL - Black
9025GT07W01-H CUSTOM single glass HOTEL - White
9025GT07W03-H CUSTOM single glass HOTEL - Black

9025 evolving skills

2 Modules Version

KNX Capacitive Thermostat Boards



RT07A01KNX-1
KNX capacitive thermostat - White



RH07A01KNX-1
KNX capacitive thermostat/humidistat - White



RT07A01KNX-3
KNX capacitive thermostat - Black



RH07A01KNX-3
KNX capacitive thermostat/humidistat - Black

Thermostat/Humidistat — Residential | RGB Line Series



9025GT07L01-R
Single Glass
RESIDENTIAL display
White



9025GT07LM1-R
Single Glass
RESIDENTIAL display
White Matte



9025GT07L03-R
Single Glass
RESIDENTIAL display
Black



9025GT07LM3-R
Single Glass
RESIDENTIAL display
Black Matte

Thermostat/Humidistat — Hotel | RGB Line Series



9025GT07L01-H
Single Glass
HOTEL display
White



9025GT07LM1-H
Single Glass
HOTEL display
White Matte



9025GT07L03-H
Single Glass
HOTEL display
Black



9025GT07LM3-H
Single Glass
HOTEL display
Black Matte

Custom Version — Residential | RGB Line Series



9025GT07W01-R
Single CUSTOM Glass
RESIDENTIAL display - White



9025GT07W03-R
Single CUSTOM Glass
RESIDENTIAL display - Black

Custom Version — Hotel | RGB Line Series



9025GT07W01-H
Single CUSTOM Glass
HOTEL display - White



9025GT07W03-H
Single CUSTOM Glass
HOTEL display - Black

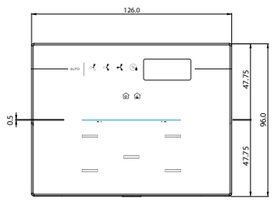
CUSTOM version covers have to be associated with dedicated interchangeable icons sheets.

KNX Thermostat/Humidistat

The 9025 thermostat is a KNX® room temperature controller that includes 7 Order Codes configurable capacitive buttons for on / off, dimming, rolling shutters and venetian controls, scene recall and control, object sequences, local thermostat controls, etc.
Device offers a 2 stage thermostat with integrated PI controller to control heating and cooling equipments, valves, 2 and 4 pipes fan coils etc.
Device has an embedded temperature sensor and a rear 2 poles connector, configurable as digital or analog input; It's possible to connect an additional NTC temperature probe (eelectron codes TS01A01ACC or TS01B01ACC - not included) to perform a direct temperature measurement.
A version with integrated temperature and relative humidity sensor is available usable for controlling actuators for ambient humidity control.
9025 range has a RGB LED bar on the front side in order to visualize thermostat operating modes or feedbacks and other values available over the KNX bus. The device includes an RGB LED bar on the front to display status or other values available on the KNX bus. Glass covers are available for HOTEL or RESIDENTIAL applications; both covers can be in CUSTOM version. Using glasses in CUSTOM version is possible to light up custom and interchangeable icons matching with the associated function.
The 9025 KNX® range is mounted in 2 module box and is compliant with main standards (British, German, Italian, etc).
Device is equipped with KNX communication interface.

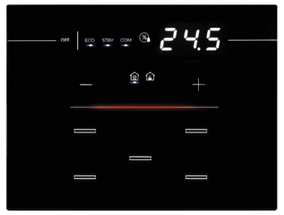
Technical Features

Mechanical data	• Dimensions: (W x H x D) 96 x 96 x 36 mm
Mounting	• British box, German box or Italian 2 modules box
Supply	• Via EIB/KNX bus cable: 21 ÷ 32 V DC • Max 20 mA
Rear Input - digital mode	• For free potential contacts (dry contacts) • Max. length of Connecting Cables ≤ 10 m (twisted cable)
Rear input - analog mode for temperature probe	For NTC temperature probe eelectron code: • TS01A01ACC (range from -20°C to +100°C) • TS01B01ACC (range from -50°C to +60°C) • TS01D01ACC (range from -40°C to 125°C) • Max. length of Connecting Cable: ≤ 20 m (twisted cable)



Customization portal: ***mycustom.eelectron.com***

3 Modules Version



Order Codes

KNX Thermostat/Humidistat Boards

RT07A01KNX-1-3M
KNX Capacitive Thermostat - 3 Modules White

RH07A01KNX-1-3M
KNX Capacitive Thermostat/Humidistat 3 Modules - White

RT07A01KNX-3-3M
KNX Capacitive Thermostat - 3 Modules Black

RH07A01KNX-3-3M
KNX Capacitive Thermostat/Humidistat 3 Modules - Black

Thermostat/Humidistat RGB Line Series Covers

9025GT307L01-R
Single glass RESIDENTIAL display - 3 Modules - White

9025GT307L01-H
Single glass HOTEL display - 3 Modules White

9025GT307L03-R
Single glass RESIDENTIAL display - 3 Modules - Black

9025GT307L03-H
Single glass HOTEL display - 3 Modules Black

Custom Version | RGB Line Series

9025GT307W01-R
CUSTOM single glass RESIDENTIAL - 3 Modules - White

9025GT307W03-R
CUSTOM single glass RESIDENTIAL - 3 Modules - Black

9025GT307W01-H
CUSTOM single glass HOTEL - 3 Modules - White

9025GT307W03-H
CUSTOM single glass HOTEL - 3 Modules - Black

9025 evolving skills

3 Modules Version

KNX Capacitive Thermostat Boards



RT07A01KNX-1-3M
KNX capacitive thermostat - White



RH07A01KNX-1-3M
KNX capacitive thermostat/humidistat - White



RT07A01KNX-3-3M
KNX capacitive thermostat - Black



RH07A01KNX-3-3M
KNX capacitive thermostat/humidistat - Black

Thermostat/Humidistat — Residential | RGB Line Series



9025GT307L01-R
Single Glass
RESIDENTIAL display
White



9025GT307LM1-R
Single Glass
RESIDENTIAL display
White matte



9025GT307L03-R
Single Glass
RESIDENTIAL display
Black



9025GT307LM3-R
Single Glass
RESIDENTIAL display
Black matte

Thermostat/Humidistat — Hotel | RGB Line Series



9025GT307L01-H
Single Glass
HOTEL display
White



9025GT307LM1-H
Single Glass
HOTEL display
White matte



9025GT307L03-H
Single Glass
HOTEL display
Black



9025GT307LM3-H
Single Glass
HOTEL display
Black matte

Custom Version — Residential | RGB Line Series



9025GT307W01-R
CUSTOM Single Glass
RESIDENTIAL display - White



9025GT307W03-R
CUSTOM Single Glass
RESIDENTIAL display - Black

Custom Version — Hotel | RGB Line Series



9025GT307W01-H
CUSTOM Single Glass
HOTEL display - White



9025GT307W03-H
CUSTOM Single Glass
HOTEL display - Black

CUSTOM version covers have to be associated with dedicated interchangeable icons sheets.

KNX Thermostat/Humidistat



RT07A01KNX-1
KNX capacitive thermostat
White



RH07A01KNX-1
KNX capacitive thermostat/humidistat
White



RT07A01KNX-3
KNX capacitive thermostat
Black



RH07A01KNX-3
KNX capacitive thermostat/humidistat
Black

Double glass cover



9025GT07B01-R
Double glass
RESIDENTIAL display
White



9025GT07B01-H
Double glass
HOTEL display
White



9025GT07B03-R
Double glass
RESIDENTIAL display
Black



9025GT07B03-H
Double glass
HOTEL display
Black

Custom Version — Residential



9025GT07D01-R
CUSTOM double glass
RESIDENTIAL display
White



9025GT07D03-R
CUSTOM double glass
RESIDENTIAL display
Black

Custom Version — Hotel



9025GT07D01-H
CUSTOM double glass
HOTEL display
White



9025GT07D03-H
CUSTOM double glass
HOTEL display
Black

2 Modules Version



Order Codes

Thermostat/Humidistat KNX

RT07A01KNX-1
KNX Capacitive Thermostat - White

RH07A01KNX-1
KNX Capacitive Thermostat/Humidistat White

RT07A01KNX-3
KNX Capacitive Thermostat - Black

RH07A01KNX-3
KNX Capacitive Thermostat/Humidistat Black

Thermostat/Humidistat Covers

9025GT07B01R
Double glass RESIDENTIAL display - White

9025GT07B01H
Double glass HOTEL display - White

9025GT07B03R
Double glass RESIDENTIAL display - Black

9025GT07B03H
Double glass HOTEL display - Black

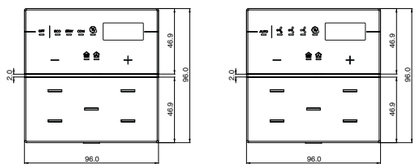
Custom Version Covers

9025GT07D01R
CUSTOM Double glass RESIDENTIAL display - White

9025GT07D03R
CUSTOM Double glass RESIDENTIAL display - Black

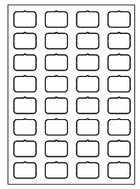
9025GT07D01H
CUSTOM Double glass HOTEL display - White

9025GT07D03H
CUSTOM Double glass HOTEL display - Black

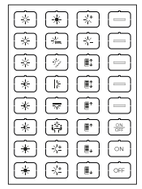


9025
evolving skills

Icons Sheet Sets



9025ISA-1
icon sheet
SET A | White
32 icons



9025ISB-1
icon sheet
SET B | White
32 icons



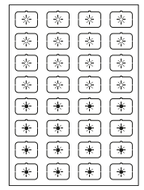
9025ISC-1
icon sheet
SET C | White
32 icons



9025ISD-1
icon sheet
SET D | White
32 icons



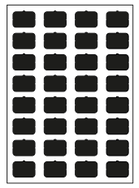
9025ISE-1
icon sheet
SET E | White
32 icons



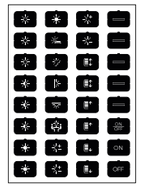
9025ISF-1
icon sheet
SET F | White
32 icons



9025ISH-1
icon sheet
SET H | White
32 icons



9025ISA-3
icon sheet
SET A | Black
32 icons



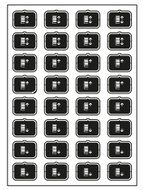
9025ISB-3
icon sheet
SET B | Black
32 icons



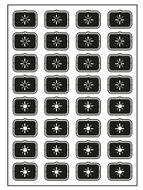
9025ISC-3
icon sheet
SET C | Black
32 icons



9025ISD-3
icon sheet
SET D | Black
32 icons



9025ISE-3
icon sheet
SET E | Black
32 icons



9025ISF-3
icon sheet
SET F | Black
32 icons



9025ISH-3
icon sheet
SET H | Black
32 icons

Order Codes

9025ISA-1
Icon sheet SET A - 32 icons - White

9025ISB-1
Icon sheet SET B - 32 icons - White

9025ISC-1
Icon sheet SET C - 32 icons - White

9025ISD-1
Icon sheet SET D - 32 icons - White

9025ISE-1
Icon sheet SET E - 32 icons - White

9025ISF-1
Icon sheet SET F - 32 icons - White

9025ISH-1
Icon sheet SET H - 32 icons - White

9025ISA-3
Icon sheet SET A - 32 icons - Black

9025ISB-3
Icon sheet SET B - 32 icons - Black

9025ISC-3
Icon sheet SET C - 32 icons - Black

9025ISD-3
Icon sheet SET D - 32 icons - Black

9025ISE-3
Icon sheet SET E - 32 icons - Black

9025ISF-3
Icon sheet SET F - 32 icons - Black

9025ISH-3
Icon sheet SET H - 32 icons - Black

9025 Multisensor Controller

HUMIDITY - TEMPERATURE



The environmental sensor HC06A01KNX is a device of the 9025 series, it is wall-mounted and finished with a white or black glass.
The HC06A01KNX device integrates humidity and temperature sensors.
The device is also equipped with a 2-way connector on the rear side that can be configured as a digital or analogue input; in fact it is possible to connect an additional NTC probe to the device (eelectron code TS01A01ACC / TS01B01ACC / TS01D01ACC not included) to obtain a second temperature measurement.
The device includes 2 double-stage thermostats for controlling two distinct areas, both with an integrated PI controller for driving heating and cooling equipment, valves, 6-way valves, 2 and 4-pipe fan coils, etc ...

The humidity sensor manages the reading of the relative humidity in the environment and allows threshold control with hysteresis of humidification and dehumidification equipments.
The device embeds 6 capacitive keys for the management of on / off commands, dimmers, shutters and blinds, execution and learning of scenarios, object sequences, local thermostat controls, etc.
It includes a RGB LED on the front side for displaying states (temperature, humidity and CO_2) or other quantities available on the KNX bus.

9025GH06L01
Single glass line 6 ch. - White



9025GH06L03
Single glass line 6 ch. - Black

Order Codes

KNX Capacitive Switch Boards

HC06A01KNX-1
Humidity Sensor + Thermostat - Inwall - No Display - White

HC06A01KNX-3
Humidity Sensor + Thermostat - Inwall - No Display - Black

RGB Range Covers

9025GH06L01
Single glass line 6 ch. - White

9025GH06L03
Single glass line 6 ch. - Black

Technical Features

Mechanical data	• Dimensions: (W x H x D) 96 x 96 x 36 mm
Mounting	• British box, German box or Italian 2 modules box
Supply	• Via EIB/KNX bus cable: 21 ÷ 32 V DC • Max 15 mA
Rear Input - digital mode	• For free potential contacts (dry contacts) • Max. length of Connecting Cables ≤ 10 m (twisted cable) • Voltage Scanning 3,3 V DC (internally generated)
Rear input - analog mode for temperature probe	For NTC temperature probe eelectron code: • TS01A01ACC (range from -20°C to +100°C) • TS01B01ACC (range from -50°C to +60°C) • TS01D01ACC (range from -40°C to 125°C) • Max. length of Connecting Cable: ≤ 20 m (twisted cable)

CAPACITIVEMULTISENSORS

9025 Multisensor Controller

CO_2 - HUMIDITY - TEMPERATURE



The environmental sensor MC06A01KNX is a device of the 9025 series, it is wall-mounted and finished with a white or black glass.
In the MC06A01KNX device there are 3 sensors available: temperature, humidity and CO_2, this measure is detected by using an integrated probe specially designed to detect CO_2 data directly and not through calculations based on other sensors.
The device is also equipped with a 2-way connector on the rear side that can be configured as a digital or analogue input; in fact it is possible to connect an additional NTC probe to the device (eelectron code TS01A01ACC / TS01B01ACC / TS01D01ACC not included) to obtain a second temperature measurement.
The device includes 2 double-stage thermostats for controlling two distinct areas, both with an integrated PI controller for driving heating and cooling equipment, valves, 6-way valves, 2 and 4-pipe fan coils, etc ...
The humidity sensor manages the reading of the relative humidity in the environment and allows threshold control with hysteresis of humidification and dehumidification equipments.
The device embeds 6 capacitive keys for the management of on / off commands, dimmers, shutters and blinds, execution and learning of scenarios, object sequences, local thermostat controls, etc.
It includes a RGB LED on the front side for displaying states (temperature, humidity and CO_2) or other quantities available on the KNX bus.

9025GM06L01
Single glass line 6 ch. - White



9025GM06L03
Single glass line 6 ch. - Black

Order Codes

KNX Capacitive Switch Boards

MC06A01KNX-1
Multisensor Controller CO_2 + Humidity + Temperature - Inwall - No Display - White

MC06A01KNX-3
Multisensor Controller CO_2 + Humidity + Temperature - Inwall - No Display - Black

RGB Range Covers

9025GM06L01
Single glass line 6 ch. - White

9025GM06L03
Single glass line 6 ch. - Black

Technical Features

Mechanical data	• Dimensions: (W x H x D) 96 x 96 x 40 mm
Mounting	• British box, German box or Italian 2 modules box
Supply	• Via EIB/KNX bus cable: 21 ÷ 32 V DC • 15mA with a 30mA peak during CO^2
Rear Input - digital mode	• For free potential contacts (dry contacts) • Max. length of Connecting Cables ≤ 10 m (twisted cable) • Voltage Scanning 3,3 V DC (internally generated)
Rear input - analog mode for temperature probe	For NTC temperature probe eelectron code: • TS01A01ACC (range from -20°C to +100°C) • TS01B01ACC (range from -50°C to +60°C) • TS01D01ACC (range from -40°C to 125°C) • Max. length of Connecting Cable: ≤ 20 m (twisted cable)

9025 Temperature Probe

The device TS01D01ACC of the 9025 series is a temperature probe connectible to KNX® devices.
The device is used in combination with the glass covers available in white (eelectron code 9025GS00A01) or black (eelectron code 9025GS00A03) variants;
The device is mounted in 2 or 3 module box and is compliant with main standards (British, German, Italian, etc).



Technical Features

Mechanical data	• Dimensions: (W x H x D) 96 x 96 x 36 mm
Probe range	For NTC temperature probe eelectron code: • TS01D01ACC (range from -5° to + 45°) • Max. length of Connecting Cable: ≤ 30 m (twisted cable)
Environmental Specification	• Operating temperature: -5 °C + 45 °C • Storage temperature: - 20 °C + 55 °C

Order Codes

TS01D01ACC-1
Temperature probe - White

TS01D01ACC-3
Temperature probe - Black

TS01D01ACC-1-3M
Temperature probe - 3 Modules - White

TS01D01ACC-3-3M
Temperature probe - 3 Modules - Black

9025GS00A01
Single glass - White

9025GS00A03
Single glass - Black

9025GS300A01
Single glass - 3 Modules - White

9025GS300A03
Single glass - 3 Modules - Black

TEMPERATUREPROBE

Temperature Probe



TS01D01ACC-1
Temperature probe - White



TS01D01ACC-3
Temperature probe - Black



TS01D01ACC-1-3M
Temperature probe - 3 Modules - White



TS01D01ACC-3-3M
Temperature probe - 3 Modules - Black

Single Glass Covers

9025GS00A01
Single glass - White



9025GS00A03
Single glass - Black

9025GS300A01
Single glass - 3 Modules - White



9025GS300A03
Single glass - 3 Modules - Black

KNXSWITCHES

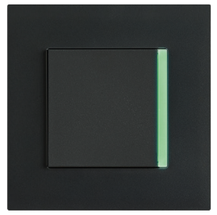
3025 - 55x55 KNX Switch

4 CHANNELS + THERMOSTAT

SB40AxxKNX is a KNX tactile 4 channels push button which can be configured to manage on/off commands, dimming, shutters and venetians control, scene recall and control, sequences of 3 objects, etc.

Device includes a 2 stage Room Temperature Controller with integrated PI to control heating and cooling equipments, valves, 2 and 4 pipes fan coils, etc. Device has a rear connector (2 poles) configurable as digital or analog input. It's possible to connect a NTC temperature probe (eelectron codes TS01A01ACC / TS01B01ACC / TS01D01ACC not included) to have a direct temperature measurement.

SB40AxxKNX has a RGB LED bar on the front side in order to visualize feedbacks or other values available over the KNX bus. SB40AxxKNX is intended to be used in British box, German box or Italian 2 modules box. Device is equipped with KNX communication interface.



Order Codes

SB40A11KNX-PLBL
KNX switch 4 channels + Thermostat
55x55mm - Black - Plastic
+ Metal Mounting Frame for OL-U 55mm (see pag. 56)

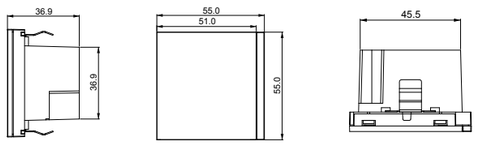
SB40A21KNX-PLWH
KNX switch 4 channels + Thermostat
55x55mm - White - Plastic
+ Metal Mounting Frame for OL-U 55mm (see pag. 56)

SB40A01KNX-MT60
KNX switch 4 channels + Thermostat
55x55mm - Brushed Aluminium
+ Metal Mounting Frame for OL-U 55mm (see pag. 56)

(Order codes are referred only to switches without decoratives frames).

Technical Features

Mechanical data	• Dimensions: (H x W x D) : 55 x 55 x 37 mm
Mounting	• British box, German box or Italian 2 modules box
Supply	• Via EIB/KNX bus cable: 21 ÷ 32 V DC • Max 10 mA
Rear Input - digital mode	• For free potential contacts (dry contacts) • Max. length of Connecting Cables ≤ 10 m (twisted cable)
Rear input - analog mode for temperature probe	For NTC temperature probe eelectron code: • TS01A01ACC (range from -20°C to +100°C) • TS01B01ACC (range from -50°C to +60°C) • TS01D01ACC (range from -40°C to 125°C) • Max. length of Connecting Cable: ≤ 20 m (twisted cable)



Plastic



Black
SB40A11KNX-PLBL

White
SB40A21KNX-PLWH

Metal



Brushed Aluminium
SB40A01KNX-MT60

KNX MiniPad

8 CH - THERMOSTAT - COMPLETE

The MINIPAD KNX pushbutton panel of the eelecta® series is equipped with 8 buttons that can be configured for the management of lights, shutters, dimmers, or other programmable command and control functions.

There are also 8 white LEDs and one RGB, each freely configurable with ETS. In the rear part, 3 inputs are available, two of which are dedicated to interfacing potential-free contacts (clean – for example sensors, traditional buttons, etc.) and one freely configurable by ETS as a dry or analogue contact. The control panel includes a temperature sensor that can also be configured as a thermostat for the control of two distinct areas, both with integrated PI controller for piloting heating, cooling, valves, 6-way valves, fan coils 2 and 4 pipes.

Moreover, 16 logic blocks are available to implement simple expressions with logical or threshold operator or complex expressions with algebraic and conditional operators; It is possible to use predefined algorithms as proportional controls of temperature and humidity or dew point calculation. The device also integrates the “Virtual Holder Logic”; the field of application is the hotel room: through a magnetic sensor installed on the door and connected to a digital input, accurate presence information is managed.
The presence detection solution can deduce the presence of people in the room using one or more dedicated sensors. It also detects an unexpected presence and is able to differentiate more behaviours.
The KNX communication interface is included. The device can be configured via the ETS application program to communicate with the KNX Data Secure protocol.

Technical Features

Mechanical data	**MiniPad** Dimensions (A. x L.) 90 x 90 mm
Mounting	• Built-in box: Italian 2 modules, standard box German, Swiss, British
Supply	• Bus EIB/KNX: 21 ÷ 32 V DC • Max 20 mA
Inputs	• Inputs: 2 inputs for digital contacts and one digital/ analog • Maximum Cable Length: ≤ 10 m • Voltage Scanning: 3,3 V DC • Current Scanning: ≤ 1 mA
Rear input - analog mode for temperature probe	For NTC temperature probe eelectron code: • TS01A01ACC (range from -20°C to +100°C) • TS01B01ACC (range from -50°C to +60°C) • TS01D01ACC (range from -40°C to 125°C) • Max. length of Connecting Cable: ≤ 30 m (twisted cable)



Order Codes

MB80D01KNX-WH-S
KNX Minipad 8 CH/TS - Complete
Ceramic White + RGB Center

MB80D01KNX-BL-S
KNX Minipad 8 CH/TS - Complete
Matte Black + RGB Center

MB80D01KNX-SWH-S
KNX Minipad 8 CH/TS - Complete
Helvetia White + RGB Center

Covers - Spare parts

COAW-MINI Minipad Cover
Ceramic White - Case 12pcs

COAA-MINI Minipad Cover
Matte Black - Case 12pcs

COAW-MINI-SWH Minipad Cover
Helvetia White - Case 12pcs

MINIPAD

eelecta
You, in an homy and environmental world



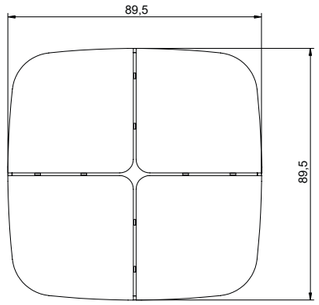
8 channel KNX - Ceramic white
MB80D01KNX-WH-S

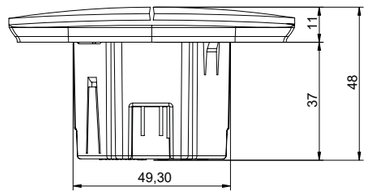


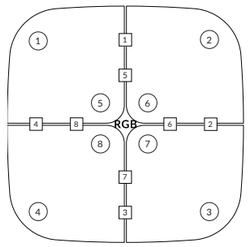
8 channel KNX - Matte black
MB80D01KNX-BL-S



8 channel KNX - Helvetia white
MB80D1KNX-SWH-S







OL-U Frame 45MM

2 MODULES

The 45MM OL-U® socket frames are a complement that also harmonises the aesthetics of electrical sockets and holders. Available in metal, FENIX®, plastic and glass.

Socket compatibility:
- 4BOX
- AVE sistema 44 (only 2 modules)
- BTICINO LIVING LIGHT
- GEWISS (only 2 modules)
- VIMAR ARKE'
- VIMAR PLANA



Order Codes

Frame 45mm

Regular version - 2 Modules
PO45A01PL-1 Painted plastic - White
PO45A01PL-3 Painted plastic - Black

LITE version - 2 Modules
PO45A01RP-1 Plastic LITE - White
PO45A01RP-3 Plastic LITE - Black

FENIX edition - 2 Modules
PO45A01FX-0032 FENIX Kos White 0032
PO45A01FX-0030 FENIX Alaska White 0030
PO45A01FX-0720 FENIX Ingo Black 0720
PO45A01FX-0724 FENIX Bromo Grey 0724
PO45A01FX-0748 FENIX Arizona Beige 0748
PO45A01FX-0754 FENIX Fes Blue 0754

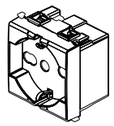
Metal edition - 2 Modules
PO45A01MT-SH - Silver
PO45A01MV-CH - Champagne
PO45A01MV-GO - Gold
PO45A01MV-BR - Bronze
PO45A01MV-BK - Black

Glass - 2 Modules
PS45B01GL-1 - Glass - White
PS45B01GL-3 - Glass - Black

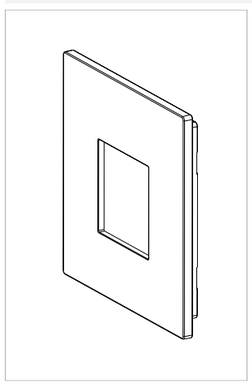
Glass Matte - 2 Modules
PS45B01GL-M1 - Glass Matte - White
PS45B01GL-M3 - Glass Matte - Black

Metal Mounting Frames - 2 Modules
FOXXA01-2M - 1pc.
FOXXA02-2M - 10pcs.

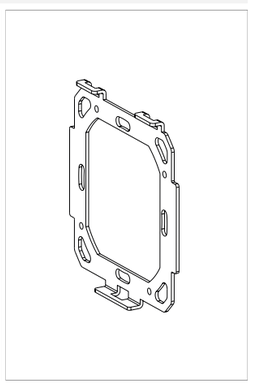
How to order



Sockets not included



PO45X01XX-x
PS45X01GL-X



FOXXA01-2M
FOXXA02-2M

SOCKETSFRAME

2 Modules Version

Frame 45MM PLASTIC



PO45A01PL-1
Painted plastic - White

PO45A01PL-3
Painted plastic - Black

PO45A01RP-1
Plastic Lite - White

PO45A01RP-3
Plastic Lite - Black

Frame 45MM FENIX®



PO45A01FX-0032
FENIX Kos White 0032

PO45A01FX-0720
FENIX Ingo Black 0720

PO45A01FX-0724
FENIX Bromo Grey 0724

PO45A01FX-0748
FENIX Arizona Beige 0748

PO45A01FX-0754
FENIX Fes Blue 0754

PO45A01FX-0030
FENIX Alaska White 0030

Frame 45MM METAL



PO45A01MT-SH
Silver

PO45A01MV-CH
Champagne

PO45A01MV-GO
Gold

PO45A01MV-BR
Bronze

PO45A01MV-BK
Black

Frame 45MM GLASS



PS45B01GL-1
Glass - White

PS45B01GL-3
Glass - Black

PS45B01GL-M1
Glass Matte - White

PS45B01GL-M3
Glass Matte - Black

The code xxxxMV-xx replaces the code xxxxMT-xx

OL-U Frame 45MM

3 MODULES

The 45MM OL-U® socket frames are a complement that also harmonises the aesthetics of electrical sockets and holders. Available in metal, FENIX®, plastic and glass.

Socket compatibility:
- 4BOX
- AVE sistema 44 (only 2 modules)
- BTICINO LIVING LIGHT
- GEWISS (only 2 modules)
- VIMAR ARKE'
- VIMAR PLANA



Order Codes

Frame 45mm

Regular version - 3 Modules
PO45A03PL-1 Painted plastic - White
PO45A03PL-3 Painted plastic - Black

LITE version - 3 Modules
PO45A03RP-1 Plastic LITE - White
PO45A03RP-3 Plastic LITE - Black

FENIX edition - 3 Modules
PO45A03FX-0032 FENIX Kos White 0032
PO45A03FX-0030 FENIX Alaska White 0030
PO45A03FX-0720 FENIX Ingo Black 0720
PO45A03FX-0724 FENIX Bromo Grey 0724
PO45A03FX-0748 FENIX Arizona Beige 0748
PO45A03FX-0754 FENIX Fes Blue 0754

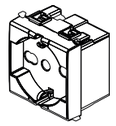
Metal edition - 3 Modules
PO45A03MT-SH - Silver
PO45A03MV-CH - Champagne
PO45A03MV-GO - Gold
PO45A03MV-BR - Bronze
PO45A03MV-BK - Black

Glass - 3 Modules
PS45B03GL-1 - Glass - White
PS45B03GL-3 - Glass - Black

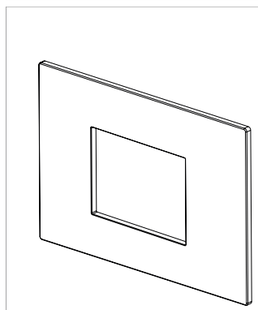
Glass Matte - 3 Modules
PS45B03GL-M1 - Glass Matte - White
PS45B03GL-M3 - Glass Matte - Black

Metal Mounting Frame - 3 Modules
FOXXA01-3M - 1pc.
FOXXA02-3M - 10pcs.

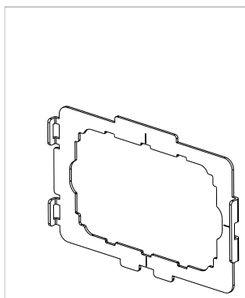
How to order



Sockets not included



PO45X03xx-x
PS45X03GL-xx



FOXXA01-3M
FOXXA02-3M

SOCKETSFRAME

3 Modules Version

Frame 45MM PLASTIC



PO45A03PL-1
Painted plastic - White

PO45A03PL-3
Painted plastic - Black

PO45A03RP-1
PlasticLITE - White

PO45A03RP-3
PlasticLITE - Black

Frame 45MM FENIX®



PO45A03FX-0032
FENIX Kos White 0032

PO45A03FX-0720
FENIX Ingo Black 0720

PO45A03FX-0724
FENIX Bromo Grey 0724

PO45A03FX-0748
FENIX Arizona Beige 0748

PO45A03FX-0754
FENIX Fes Blue 0754

PO45A03FX-0030
FENIX Alaska White 0030

Frame 45MM METAL



PO45A03MT-SH
Silver

PO45A03MV-CH
Champagne

PO45A03MV-GO
Gold

PO45A03MV-BR
Bronze

PO45A03MV-BK
Black

Frame 45MM GLASS



PS45B03GL-1
Glass - White

PS45B03GL-3
Glass - Black

PS45B03GL-M1
Glass Matte - White

PS45B03GL-M3
Glass Matte - Black

The code xxxxMV-xx replaces the code xxxxMT-xx

OL-U Frame 45MM

4 MODULES

The 45MM OL-U® socket frames are a complement that also harmonises the aesthetics of electrical sockets and holders. Available in metal, FENIX®, plastic and glass.

Socket compatibility:
- 4BOX
- AVE sistema 44 (only 2 modules)
- BTICINO LIVING LIGHT
- GEWISS (only 2 modules)
- VIMAR ARKE'
- VIMAR PLANA



Order Codes

Frame 45mm

Regular version - 4 Modules
PO45A04PL-1 Painted plastic - White
PO45A04PL-3 Painted plastic - Black

FENIX edition - 4 Modules
PO45A04FX-0032 FENIX Kos White 0032
PO45A04FX-0030 FENIX Alaska White 0030
PO45A04FX-0720 FENIX Ingo Black 0720
PO45A04FX-0724 FENIX Bromo Grey 0724
PO45A04FX-0748 FENIX Arizona Beige 0748
PO45A04FX-0754 FENIX Fes Blue 0754

Metal edition - 4 Modules
PO45A04MT-SH - Silver
PO45A04MV-CH - Champagne
PO45A04MV-GO - Gold
PO45A04MV-BR - Bronze
PO45A04MV-BK - Black

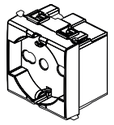
Glass - 4 Modules
PS45B04GL-1 - Glass - White
PS45B04GL-3 - Glass - Black

Glass Matte - 4 Modules
PS45B04GL-M1 - Glass Matte - White
PS45B04GL-M3 - Glass Matte - Black

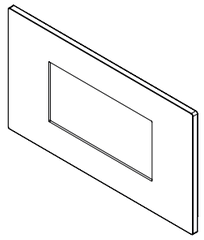
Metal Mounting Frame - 4 Modules
FOXXA01-4M - 1pc.

Mounting accessory for cover frame 4 Modules for British standard box
FOXXB01-4M - 1pc.

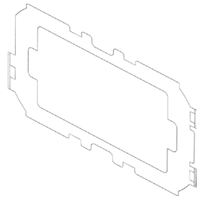
How to order



Sockets not included



PO45X04xx-x
PS45X04GL-xx



FOXXA01-4M

SOCKETSFRAME

4 Modules Version

Frame 45MM REGULAR VERSION

PO45A04PL-1
Painted plastic - White



PO45A04PL-3
Painted plastic - Black

Frame 45MM FENIX EDITION

PO45A04FX-0032
FENIX Kos White 0032



PO45A04FX-0720
FENIX Ingo Black 0720



PO45A04FX-0724
FENIX Bromo Grey 0724



PO45A04FX-0748
FENIX Arizona Beige 0748



PO45A04FX-0754
FENIX Fes Blue 0754

PO45A04FX-0030
FENIX Alaska White 0030

Frame 45MM METAL EDITION



PO45A04MT-SH
Silver



PO45A04MV-CH
Champagne



PO45A04MV-GO
Gold



PO45A04MV-BR
Bronze



PO45A04MV-BK
Black

Frame 45MM GLASS

PS45B04GL-1
Glass - White



PS45B04GL-3
Glass - Black

PS45B04GL-M1
Glass Matte - White



PS45B04GL-M3
Glass Matte - Black

The code xxxxMV-xx replaces the code xxxxMT-xx

OL-U Frame 55MM

2 MODULES

The 55MM OL-U® socket frames are a complement that also harmonises the aesthetics of electrical sockets and holders. Available in metal, FENIX® and painted plastic.

Socket compatibility:
- Berker S.1/B.3/B.7
- Gira System 55
- Merten System M
- Smarterliving bv
- Jung serie A/AS



Order Codes

Frame 55mm

Regular version - 2 Modules
PO55A01PL-1 Painted plastic - White
PO55A01PL-3 Painted plastic - Black

LITE version - 2 Modules
PO55A01RP-1 Plastic LITE - White
PO55A01RP-3 Plastic LITE - Black

FENIX edition - 2 Modules
PO55A01FX-0032 FENIX Kos White 0032
PO55A01FX-0030 FENIX Alaska White 0030
PO55A01FX-0720 FENIX Ingo Black 0720
PO55A01FX-0724 FENIX Bromo Grey 0724
PO55A01FX-0748 FENIX Arizona Beige 0748
PO55A01FX-0754 FENIX Fes Blue 0754

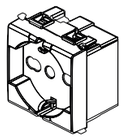
Metal edition - 2 Modules
PO55A01MT-SH - Silver
PO55A01MV-CH - Champagne
PO55A01MV-GO - Gold
PO55A01MV-BR - Bronze
PO55A01MV-BK - Black

Glass - 2 Modules
PS55B01GL-1 - Glass - White
PS55B01GL-3 - Glass - Black

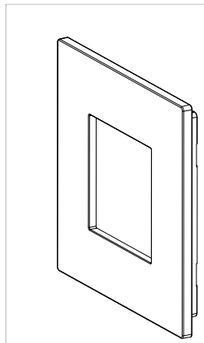
Glass Matte - 2 Modules
PS55B01GL-M1 - Glass Matte - White
PS55B01GL-M3 - Glass Matte - Black

Metal Mounting Frames - 2 Modules
FOXXA01-2M - 1pc.
FOXXA02-2M - 10pcs.

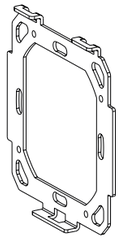
How to order



Sockets not included



PO55x01xx-xxxx
PS55x01GL-x



FOXXA01-2M
FOXXA02-2M

SOCKETSFRAME

2 Modules Version

Frame 55MM PLASTIC



PO55A01PL-1
Painted plastic - White

PO55A01PL-3
Painted plastic - Black

PO55A01RP-1
Painted plastic - White

PO55A01RP-3
Painted plastic - Black

Frame 55MM FENIX



PO55A01FX-0032
FENIX Kos White 0032

PO55A01FX-0720
FENIX Ingo Black 0720

PO55A01FX-0724
FENIX Bromo Grey 0724

PO55A01FX-0748
FENIX Arizona Beige 0748

PO55A01FX-0754
FENIX Fes Blue 0754

PO55A01FX-0030
FENIX Alaska White 0030

Frame 55MM METAL



PO55A01MT-SH
Silver

PO55A01MV-CH
Champagne

PO55A01MV-GO
Gold

PO55A01MV-BR
Bronze

PO55A01MV-BK
Black

Frame 55MM GLASS



PS55B01GL-1
Glass - White

PS55B01GL-3
Glass - Black

PS55B01GL-M1
Glass Matte - White

PS55B01GL-M3
Glass Matte - Black

The code xxxxMV-xx replaces the code xxxxMT-xx

OL-U Frame 60MM

2 MODULES

The 60MM OL-U® socket frames are a complement that also harmonises the aesthetics of electrical sockets and holders. Available in metal, FENIX® and painted plastic.

Socket compatibility:
- Feller Ediziodue



Order Codes

Frame 60mm

Regular version - 2 Modules

PO60A01PL-4 Painted plastic - White Helvetia
PO60A01PL-3 Painted plastic - Black

FENIX edition - 2 Modules

PO60A01FX-0032 FENIX Kos White 0032
PO60A01FX-0030 FENIX Alaska White 0030
PO60A01FX-0720 FENIX Ingo Black 0720
PO60A01FX-0724 FENIX Bromo Grey 0724
PO60A01FX-0748 FENIX Arizona Beige 0748
PO60A01FX-0754 FENIX Fes Blue 0754

Metal edition - 2 Modules

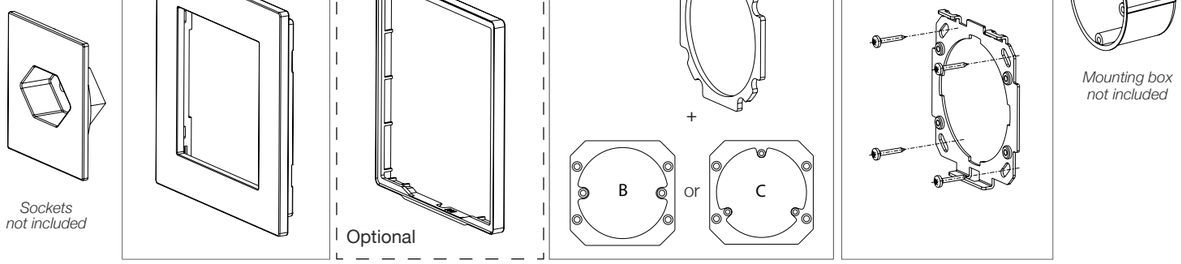
PO60A01MT-SH - Silver
PO60A01MV-CH - Champagne
PO60A01MV-GO - Gold
PO60A01MV-BR - Bronze
PO60A01MV-BK - Black

Metal mounting frames 60
FOXXA01-60 - 1pc.

Plastic Frame for Drywall box
FOXXD01-60

Metal Mounting Frames adapter for sockets 60
FOXXB01-60 - 2 points socket - 1pc.
FOXXC01-60 - 3 points socket - 10pcs.

How to order



PO60A01PL-x PO60A01FX-0xxx PO60A01MT-xx	FOXXD01-60 *Plastic Frame for Drywall box*	FOXX**B**01-60 2 points socket FOXX**C**01-60 3 points socket	FOXXA01-60

2 Modules Version

Frame 60MM
REGULAR VERSION



PO60A01PL-4
Painted plastic
White Helvetia

PO60A01PL-3
Painted plastic - Black

Frame 60MM
FENIX EDITION



PO60A01FX-0032
FENIX Kos White 0032

PO60A01FX-0720
FENIX Ingo Black 0720

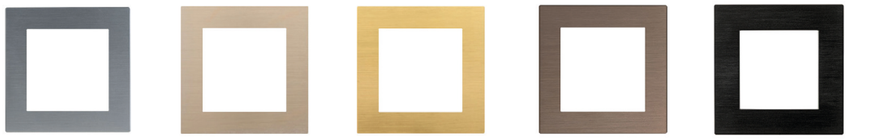
PO60A01FX-0724
FENIX Bromo Grey 0724

PO60A01FX-0748
FENIX Arizona Beige 0748

PO60A01FX-0754
FENIX Fes Blue 0754

PO60A01FX-0030
FENIX Alaska White 0030

Frame 60MM
METAL EDITION



PO60A01MT-SH
Silver

PO60A01MV-CH
Champagne

PO60A01MV-GO
Gold

PO60A01MV-BR
Bronze

PO60A01MV-BK
Black

The code xxxxMV-xx replaces the code xxxxMT-xx

Double Cover for sockets
55+55MM

REGULAR VERSION

PO55A55PL-1
Cover frame double 55+55
Painted plastic - White



PO55A55PL-3
Cover frame double 55+55
Painted plastic - Black

FENIX EDITION

PO55A55FX-0030
Cover frame double 55+55
FENIX Alaska White 0030



PO55A55FX-0720
Cover frame double 55+55
FENIX Ingo Black 0720



PO55A55FX-0724
Cover frame double 55+55
FENIX Bromo Grey 0724



PO55A55FX-0748
Cover frame double 55+55
FENIX Arizona Beige 0748



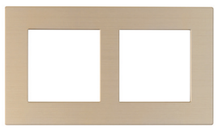
PO55A55FX-0754
Cover frame double 55+55
FENIX Fes Blue 0754

PO55A55FX-0032
Cover frame double 55+55
FENIX Kos White 0032

METAL EDITION



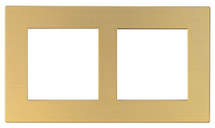
PO55A55MT-SH
Cover frame double 55+55
Silver



PO55A55MV-CH
Cover frame double 55+55
Champagne



PO55A55MV-BR
Cover frame double 55+55
Bronze



PO55A55MV-GO
Cover frame double 55+55
Gold



PO55A55MV-BK
Cover frame double 55+55
Black

The code xxxxMV-xx replaces the code xxxxMT-xx

DEVICEFRAMES

Double Cover for sockets
60+60MM

REGULAR VERSION

PO60A60PL-4
Cover frame double 60+60
Painted plastic - White Helvetia



PO60A60PL-3
Cover frame double 60+60
Painted plastic - Black

FENIX EDITION

PO60A60FX-0030
Cover frame double 60+60
FENIX Alaska White 0030



PO60A60FX-0720
Cover frame double 60+60
FENIX Ingo Black 0720



PO60A60FX-0724
Cover frame double 60+60
FENIX Bromo Grey 0724



PO60A60FX-0748
Cover frame double 60+60
FENIX Arizona Beige 0748



PO60A60FX-0754
Cover frame double 60+60
FENIX Fes Blue 0754

PO60A60FX-0032
Cover frame double 60+60
FENIX Kos White 0032

Triple Cover for sockets
55+55+55MM

REGULAR VERSION

PO55T55PL-1
Triple cover frame 55+55+55
Painted plastic - White



PO55T55PL-3
Triple cover frame 55+55+55
Painted plastic - Black

FENIX EDITION

PO55T55FX-0030
Triple cover frame 55+55+55
FENIX Alaska White 0030



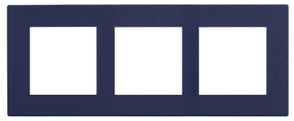
PO55T55FX-0720
Triple cover frame 55+55+55
FENIX Ingo Black 0720



PO55T55FX-0724
Triple cover frame 55+55+55
FENIX Bromo Grey 0724



PO55T55FX-0748
Triple cover frame 55+55+55
FENIX Arizona Beige 0748



PO55T55FX-0754
Triple cover frame 55+55+55
FENIX Fes Blue 0754

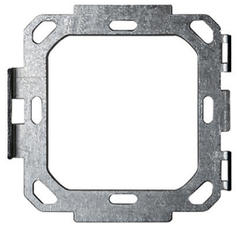
PO55T55FX-0032
Triple cover frame 55+55+55
FENIX Kos White 0032



OL-U Metal mounting frame for socket

2, 3 AND 4 MODULES

Metal mounting frame for 2-, 3- and 4-module socket frame, and Swiss standard.



Order Codes

Metal Mounting Frames - 2 Modules
FOXXA01-2M Metal mounting frame for sockets - 2M- 1pc.
FOXXA02-2M Metal mounting frame for sockets - 2M - 10pcs.

Metal Mounting Frame - 3 Modules
FOXXA01-3M Metal mounting frame for sockets - 3M - 1pc.
FOXXA02-3M Metal mounting frame for sockets - 3M - 10pcs.

Metal Mounting Frame - 4 Modules
FOXXA01-4M Metal mounting frame for sockets - 4M - 1pc.
FOXXA02-4M Metal mounting frame for sockets - 4M - 10pcs.
FOXXB01-4M Mounting accessory for cover frame 4 Modules for British standard box - 1pc.

Metal Mounting Double Frame
FOXXA01-5555 Metal mounting double frame for sockets 55+55

Metal Mounting Triple Frame
FOXXT01-5555 Metal mounting triple frame for sockets 55+55+55

Metal Mounting Frames Swiss standard - 2 Modules
FOXXA01-60 - Swiss standard 1pc.
FOXXB01-60 - 2 points Swiss standard 1pc.
FOXXC01-60 - 3 points Swiss standard 1pc.
FOXXD01-60 - Plastic mounting frame 60

Metal Mounting Frames Swiss standard Double Frame
FOXXA01-6060 Metal mounting double frame for sockets 60+60

Socket compatibility

STANDARD 55 MM	STANDARD 45 MM	STANDARD 60 MM
Berker S.1/B.3/B.7	4BOX	Feller EDIZIOdue
Gira System 55	AVE sistema 44 (only 2 modules)	
Merten System M	BTICINO LIVING LIGHT	
Smarterliving bv	GEWISS (only 2 modules)	
Jung A/AS series	VIMAR ARKE'	
	VIMAR PLANA	

NOTE
For all cover plates for sockets, it is necessary to purchase the inserts, sockets, and mounting supports for 502-503-504 mounting boxes from the respective manufacturers.

For the VIMAR ARKÈ, VIMAR PLANA, and BTICINO LIVING LIGHT brands, use compatible plastic supports (codes: AJ.19.L.02 - AJ.19.L.03 - AJ.19.L.04).

METALMOUNTINGFRAMES

Metal frame for sockets



FO71A01-2M
Metal mounting frame for socket - 2 Modules



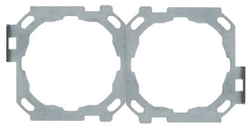
FO71A01-3M
Metal mounting frame for socket - 3 Modules



FOXXA01-4M
Metal mounting frame for socket - 4 Modules



FOXXA01-4M
Mounting accessory for cover frame - 4 Modules for British standard box

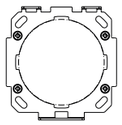


FOXXA01-5555
Metal mounting double frame for sockets 55+55

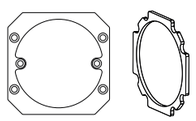


FOXXT01-5555
Metal mounting triple frame for sockets 55+55+55

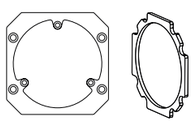
Metal frame for sockets Swiss Standard



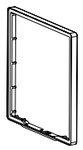
FOXXA01-60
Metal mounting frame 60 for sockets



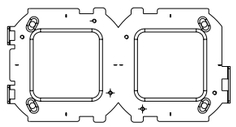
FOXXB01-60
Metal mounting frame 60 for socket - 2 Points



FOXXC01-60
Metal mounting frame 60 for socket - 3 Points



FOXXD01-60
Plastic mounting frame 60 Drywall



FOXXA01-6060
Metal mounting double frame for sockets 60+60

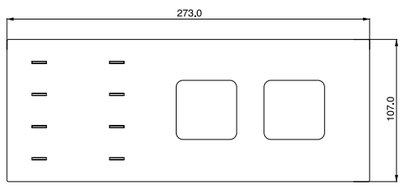
9025

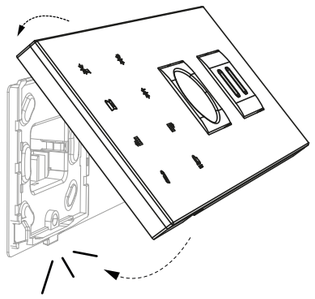
BEDSIDE PANEL

9025 custom Bedside Panel is applicable to 10-channel 9025 buttons in applications where it is required to be combined with flush-mounted elements such as power and USB sockets. Power and USB sockets are to be purchased separately: IT IS RECOMMENDED TO INSTALL THE POWER SOCKET IN THE CENTRAL POSITION OF THE PRODUCT TO MAKE EFFECTIVE SEALING OF THE PLATE TO THE FRAME.

The capacitive button 9025 (to be purchased separately: code CS10A01KNX) consists of capacitive buttons up to 10 channels. Each button can be configured to manage on/off commands, dimming, shutters and venetians control, scene recall and control, objects sequences etc. Device includes a 2 stage Room Temperature Controller with integrated PI to control heating and cooling equipments, valves, 2 and 4 pipes fan coils; etc..

Device has an embedded temperature sensor and a rear 2 poles connector con gurable as digital or analog input; It's possible to connect an additional NTC temperature probe (eelectron codes TS01A01ACC or TS01B01ACC – not included) to perform a direct temperature measurement. The glass bedside panel, as in the CUSTOM version of the 9025 series, has the possibility of back lighting custom and interchangeable icons matching with the associated function. The product is intended to fullfill the request of the hotel market including high possibility of customization through dedicated icons set and a minimal elegant design.







Order Codes

KNX Capacitive Switch Boards

CS10A01KNX-1
KNX Capacitive switch - White

CS10A01KNX-3
KNX Capacitive switch - Black

Bedside Panel Plate

9025GL10C01-B2R
Custom Bedside Panel Plate - 2 Sockets Right - White

9025GL10C03-B2R
Custom Bedside Panel Plate - 2 Sockets Right - Black

9025GL10C01-B2L
Custom Bedside Panel Plate - 2 Sockets Left - White

9025GL10C03-B2L
Custom Bedside Panel Plate - 2 Sockets Left - Black

HOSPITALITY

KNX Capacitive Switch Boards



CS10A01KNX-1
Capacitive switch KNX - White



CS10A01KNX-3
Capacitive switch KNX - Black

Custom Bedside Panel Plate



9025GL10C01-B2R
Custom bedside panel plate – 2 sockets - Right - White



9025GL10C03-B2R
Custom bedside panel plate – 2 sockets - Right - Black



9025GL10C01-B2L
Custom bedside panel plate – 2 sockets - Left - White



9025GL10C03-B2L
Custom bedside panel plate – 2 sockets - Left - Black

9025 Access Control

DOOR PANEL



The KNX® 9025 capacitive doorpanel is a capacitive switch with RGB LED bar; it is used in combination with the glass covers available in black or white; these cover glasses can be ordered in a specific version for the required application. The upper part of the glass can have a personalized, backlit room number; the lower part provides a key for the bell function, one for the 'do not disturb' function (DND) and one for the 'make up room' function (MUR). 2 other buttons customizable on request are available.

Device includes a 2 stage Room Temperature Controller with integrated PI to control heating and cooling equipments, valves, 2 and 4 pipes fan coils; etc. Device has an embedded temperature sensor and a rear 2 poles connector configurable as digital or analog input; It's possible to connect an additional NTC temperature probe (eelectron codes TS01A01ACC / TS01B01ACC / TS01D01ACC not included) to perform a direct temperature measurement.
Device has a RGB LED bar on the front side in order to visualize feedbacks or other values available over the KNX bus (function available on the RGB range).

Order Codes

Door Panel KNX Boards

CS05B01KNX-1
KNX Capacitive switch door panel - White

CS05B01KNX-3
KNX Capacitive switch door panel - Black

Cover single glass - Line range

9025GL03P01
Single glass door panel 2 ch. Line series + RGB - White - 2 Modules

9025GL03P03
Single glass door panel 2 ch. Line series + RGB - Black - 2 Modules

Cover single glass - Line range MATTE Glass

9025GL03PM01
Single glass door panel 2 ch. Line series + RGB - Matte White - 2 Modules

9025GL03PM03
Single glass door panel 2 ch. Line series + RGB - Matte Black - 2 Modules

Technical Features

Mechanical data	• Dimensions: (W x H x D) 96 x 96 x 36 mm
Mounting	• British box, German box or Italian 2 modules box
Supply	• Via EIB/KNX bus cable: 21 ÷ 32 V DC • Max 20 mA
Rear Input - digital mode	• For free potential contacts (dry contacts) • Max. length of Connecting Cables ≤ 10 m (twisted cable)
Rear input - analog mode for temperature probe	For NTC temperature probe eelectron code: • TS01A01ACC (range from -20°C to +100°C) • TS01B01ACC (range from -50°C to +60°C) • TS01D01ACC (range from -40°C to 125°C) • Max. length of Connecting Cable: ≤ 20 m (twisted cable)

Customization portal: ***mycustom.eelectron.com***

9025 evolving skills

Door Panel KNX Boards



CS05B01KNX-1
KNX Capacitive switch door panel - White



CS05B01KNX-3
KNX Capacitive switch door panel - Black

Door Panel RGB Line Covers



9025GL03P01
Door panel 2 ch. - Single glass - White + RGB DND/MUR + Bell



9025GL03P03
Door panel 2 ch. - Single glass - Black + RGB DND/MUR + Bell



9025GL03PM01
Door panel 2 ch. - Single glass - Matte White + RGB DND/MUR + Bell



9025GL03PM03
Door panel 2 ch. - Single glass - Matte Black + RGB DND/MUR + Bell

9025 Access Control

KNX TRANSPONDER READER

The 9025 series devices dedicated to access control management are KNX® devices and use RFID - MIFARE® technology. The range includes: TR00C02KNX: Doorpanel transponder reader, TH00C02KNX: Transponder holder, TE00C01KNX: Transponder card programmer

The products are intended to be installed with the glass covers which can be customized on request.

The upper part of the glass is backlit (to illuminate the room number or a logo - both customizations on request); in the lower part there are 3 freely configurable backlit capacitive buttons.

For TR00C02KNX: 1 button (typically with bell function) and 2 LEDs for displaying the MUR and DND states.

The transponder is read by placing it in front of the reader, at a maximum distance of 30 mm. The colour of the reader RGB LED bar indicates that the card has been recognized and shows different (configurable) colours for status or anomalies reporting, such as:

- Card recognized (welcome): default colour Green
- Incorrect system code: colour default Orange
- Unrecognized ID card: default colour Red
- Wrong Card Date (validity expired): default colour Yellow
- Wrong time of day (Entry forbidden time): default colour Magenta
- Wrong day of the week (Entry prohibited day): default colour Blue-Cyan

The reader also integrates a buzzer (which can be activated with the ETS parameter) for anomalies signaling.

The 9025 KNX® range is mounted in 2 modules box and is compliant with main standards (British, German, Italian, etc). Device is equipped with KNX communication interface.

Technical Features

Mechanical data	• Dimensions: (W x H x D) 96 x 96 x 36 mm
Mounting	• British box, German box or Italian 2 modules box
Supply	• Via EIB/KNX bus cable: 21 ÷ 32 V DC, max 10 mA • Auxiliary supply: 12 ÷ 24 V DC / AC, max 20 mA



Order Codes

KNX Transponder Reader

TR00C02KNX-1
Transponder Reader with 3 control buttons + BLE Beacons - White

TR00C02KNX-3
Transponder Reader with 3 control buttons + BLE Beacons - Black

TR00C02KNX-1-3M
Transponder Reader with 3 control buttons + BLE Beacons - 3 Modules White

TR00C02KNX-3-3M
Transponder Reader with 3 control buttons + BLE Beacons - 3 Modules Black

Transponder Reader RGB Line Series Covers

9025GTR03L01
Single glass - 2 Modules - White

9025GTR03L03
Single glass - 2 Modules - Black

9025GTR303L01
Single glass - 3 Modules - White

9025GTR303L03
Single glass - 3 Modules - Black

Transponder Reader RGB Line Series Covers - MATTE

9025GTR03LM01
Single glass - 2 Modules - Matte White

9025GTR03LM03
Single glass - 2 Modules - Matte Black

9025GTR303LM01
Single glass - 3 Modules - Matte White

9025GTR303LM03
Single glass - 3 Modules - Matte Black

Customization portal: ***mycustom.eelectron.com***

HOSPITALITY

9025 evolving skills

KNX Transponder Reader Boards



TR00C02KNX-1
Transponder Reader with 3 control buttons - White



TR00C02KNX-3
Transponder Reader with 3 control buttons - Black



TR00C02KNX-1-3M
Transponder Reader with 3 control buttons 3 Modules - White



TR00C02KNX-3-3M
Transponder Reader with 3 control buttons 3 Modules - Black

Transponder Reader Covers | RGB Line Series



9025GTR03L01
Single glass - White



9025GTR03L03
Single glass - Black



9025GTR03LM01
Single glass - Matte White



9025GTR03LM03
Single glass - Matte Black



9025GTR303L01
Single glass - 3 Modules - White



9025GTR303L03
Single glass - 3 Modules - Black



9025GTR303LM01
Single glass - 3 Modules - Matte White



9025GTR303LM03
Single glass - 3 Modules - Matte Black

9025 Access Control

KNX OUTDOOR TRANSPONDER READER



The protection level is IP54 rated:
– Protected from water spray from any direction
– Protected from limited dust ingress

The products is intended to be installed with the glass covers which can be customized on request. The upper part of the glass is backlit (to illuminate the room number or a logo – both customizations on request); in the lower part there's 1 button (typically with bell function) and 2 LEDs for displaying the MUR and DND states.

The transponder is read by placing it in front of the reader, at a maximum distance of 30 mm.
The colour of the reader RGB LED bar indicates that the card has been recognized and shows different (configurable) colours for status or anomalies reporting such as:
– Card recognized (welcome): default colour Green
– Incorrect system code: Orange colour default
– Unrecognized ID card: default colour Red
– Wrong Card Date (validity expired): default colour Red
– Wrong day of the week (Entry prohibited day): default colour Purple
– Wrong time of day (Entry forbidden time): default colour Purple

The reader also integrates a buzzer (which can be activated with the ETS parameter) for anomalies signaling.

Technical Features

Mechanical data	• Dimensions: (W x H x D): 96 x 96 x 36 mm
Mounting	• British, German or Italian Box of 2 modules
Supply	• Via EIB/KNX bus cable: 21 ÷ 32 V DC, max 10 mA • Auxiliary supply: 12 ÷ 24 V DC / AC, max 20 mA

Order Codes

Outdoor Transponder Reader

OUTRC02KNX
Outdoor 9025 KNX Transponder Reader + BLE Beacon - Black

OUTGTR03L03
Outdoor single glass for 9025 transponder reader - Black

OUTMC02ACC
RFID accessory for outdoor mounting IP54

Customization portal: ***mycustom.eelectron.com***

HOSPITALITY

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KNX Transponder Reader Boards



OUTRC02KNX
Transponder reader, 3 buttons
Black

Transponder Cover RGB Line



OUTGTR03L03
Outdoor single glass - Black

Accessory for outdoor reader



OUTMC01ACC
Accessory for outdoor mounting
Black

9025 Access Control

KNX TRANSPONDER HOLDER

The 9025 series devices dedicated to access control management are KNX® devices and use RFID - MIFARE® technology. The range includes: TR00C02KNX: Doorpanel transponder reader, TH00C02KNX: Transponder holder, TE00C01KNX: Transponder card programmer.
The products are intended to be installed with the glass covers which can be customized on request.
The upper part of the glass is backlit (to illuminate the room number or a logo - both customizations on request); in the lower part there are 3 freely configurable backlit capacitive buttons.
For TR00C02KNX: 1 button (typically with bell function) and 2 LEDs for displaying the MUR and DND states
For TH00C02KNX: 1 button (typically with CAMERA LIGHTS function) and 2 buttons for setting MUR and DND
The transponder is read by placing it in front of the reader, at a maximum distance of 20 mm; in the case of the transponder pocket, the card is inserted into a compartment from the top of the device. The colour of the reader RGB LED bar indicates that the card has been recognized and shows different (configurable) colours for status or anomalies reporting. The reader also integrates a buzzer (which can be activated with the ETS parameter) for anomalies signaling. Device is equipped with KNX communication interface.

Technical Features

Mechanical data	• Dimensions: (W x H x D) 96 x 96 x 41,6 mm
Mounting	• British box, German box or Italian 2 modules box
Supply	• Via EIB/KNX bus cable: 21 ÷ 32 V DC, max 10 mA • Auxiliary supply: 12 ÷ 24 V DC / AC, max 20 mA



Order Codes

KNX Transponder Holder

TH00C02KNX-1
Transponder Holder with 3 control buttons + BLE Beacon - 2 Modules - White

TH00C02KNX-3
Transponder Holder with 3 control buttons + BLE Beacon - 2 Modules - Black

TH00C02KNX-1-3M
Transponder Holder with 3 control buttons + BLE Beacon - 3 Modules - White

TH00C02KNX-3-3M
Transponder Holder with 3 control buttons + BLE Beacon - 3 Modules - Black

Transponder Holder RGB Line Series Covers

9025GTH03L01
Single glass - 2 Modules - White

9025GTH03L03
Single glass - 2 Modules - Black

9025GTH303L01
Single glass - 3 Modules - White

9025GTH303L03
Single glass - 3 Modules - Black

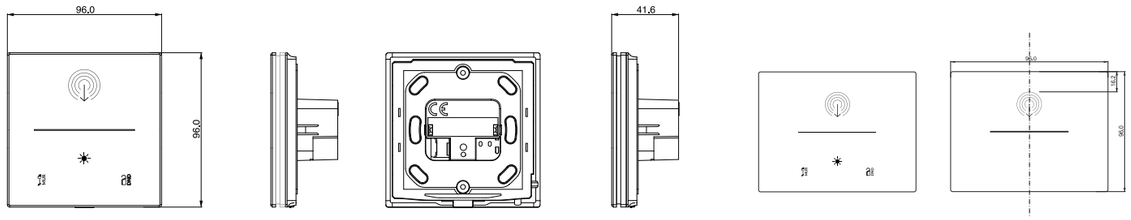
Transponder Holder RGB Line Series Covers - MATTE

9025GTH03LM01
Single glass - 2 Modules - Matte White

9025GTH03LM03
Single glass - 2 Modules - Matte Black

9025GTH303LM01
Single glass - 3 Modules - Matte White

9025GTH303LM03
Single glass - 3 Modules - Matte Black



Customization portal: ***mycustom.eelectron.com***

HOSPITALITY

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KNX Transponder Holder Boards



TH00C02KNX-1
Transponder Holder with 3 control buttons - White



TH00C02KNX-3
Transponder Holder with 3 control buttons - Black



TH00C02KNX-1-3M
Transponder Holder with 3 control buttons 3 Modules - White



TH00C02KNX-3-3M
Transponder Holder with 3 control buttons 3 Modules - Black

Transponder Holder Covers | RGB Line Series



9025GTH03L01
Single glass - White



9025GTH03L03
Single glass - Black



9025GTH03LM01
Single glass - White Matte



9025GTH03LM03
Single glass - Black Matte



9025GTH303L01
Single glass - 3 Modules - White



9025GTH303L03
Single glass - 3 Modules - Black



9025GTH303LM01
Single glass - 3 Modules - White Matte



9025GTH303LM03
Single glass - 3 Modules - Black Matte

9025 Access Control

KNX NUMERIC KEYPAD



The 9025 KNX® numeric keypad dedicated to access control management consists of 10-channel capacitive buttons. The product can be installed with glass covers, white or black, which show the numbers from 0 to 9 which can be backlit. Device includes a 2 stage Room Temperature Controller with integrated PI to control heating and cooling equipments, valves, 2 and 4 pipes fan coils; etc.. Device has an embedded temperature sensor and a rear 2 poles connector configurable as digital or analog input; It's possible to connect an additional NTC temperature probe (eelectron codes TS01A01ACC or TS01B01ACC - not included) to perform a direct temperature measurement. The device includes an RGB LED bar on the front side of the numeric keypad in order to visualize the recognition of the entered code and shows different colours (configurable) for status or anomalies reporting such as:

- Password recognized (welcome): default Green colour
- Incorrect system code: default colour Orange
- Password not recognized: default colour Red
- Incorrect Date Password (validity expired): default colour Yellow
- Wrong time of day (Entry prohibited time): default colour Magenta
- Wrong day of the week (Entry prohibited day): default colour Blue-Cyan

The numeric keypad also integrates a buzzer that can be enabled or disabled in order to give acoustic feedback when a key is pressed.
The 9025 KNX® numeric keypad is mounted in 2 or 3 modules box and is compliant with main standards (British, German, Italian, etc).
Device is equipped with KNX communication interface.

Technical Features

Mechanical data	• Dimensions (2 modules): (W x H x D): 96 x 96 x 36 mm • Dimensions (3 modules): (W x H x D): 126 x 96 x 36 mm
Mounting	• British box, German box or Italian 2 or 3 modules box
Supply	• Via EIB/KNX bus cable: 21 ÷ 32 V DC - max 20 mA
Rear Input - digital mode	• For free potential contacts (dry contacts) • Max. length of Connecting Cables ≤ 10 m (twisted cable) • Voltage Scanning: 3,3 V DC (internally generated)
Rear input - analog mode for temperature probe	For NTC temperature probe eelectron code: • TS01A01ACC (range from -20°C to +100°C) • TS01B01ACC (range from -50°C to +60°C) • TS01D01ACC (range from -40°C to 125°C) • Max. length of Connecting Cable: ≤ 30 m (twisted cable)

Order Codes

Numeric Keypad KNX Boards

KP10C02KNX-1
9095 Access control - Numeric pad
2 Modules - White

KP10C02KNX-3
9095 Access control - Numeric pad
2 Modules - Black

KP10C02KNX-1-3M
9095 Access control - Numeric pad
3 Modules - White

KP10C02KNX-3-3M
9095 Access control - Numeric pad
3 Modules - Black

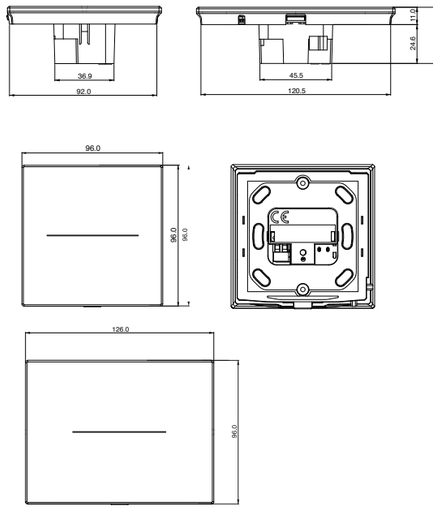
Numeric Keypad Covers

9025GKP10L1
Single Glass Cover - 2 Modules - White

9025GKP10L3
Single Glass Cover 2 Modules - Black

9025GKP310L1
Single Glass Cover - 3 Modules - White

9025GKP310L3
Single Glass Cover - 3 Modules - Black



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KNX Numeric Keypad Board



KP10C02KNX-1
KNX capacitive numeric keypad for access control - White



KP10C02KNX-3
KNX capacitive numeric keypad for access control - Black



KP10C02KNX-1-3M
KNX capacitive numeric keypad for access control 3 modules - White



KP10C02KNX-3-3M
KNX capacitive numeric keypad for access control - 3 modules - Black

Numeric Keypad Covers | RGB Line Series

9025GKP10L1
Single Glass Cover - White



9025GKP10L3
Single Glass Cover - Black

9025GKP310L1
Single Glass Cover - 3 Modules - White



9025GKP310L3
Single Glass Cover - 3 Modules - Black

9025 Access Control

KNX OUTDOOR NUMERIC KEYPAD

The 9025 KNX numeric keypad dedicated to access control management consists of 10-channel capacitive buttons.

The protection level is IP54 rated:
– Protected from water spray from any direction
– Protected from limited dust ingress

The product is installed with black glass covers, which show the numbers from 0 to 9 which can be backlit.
Device includes a 2 stage Room Temperature Controller with integrated PI to control heating and cooling equipments, valves, 2 and 4 pipes fan coils; etc.. The device integrates a KNX communication interface, allowing independent programming and supervision through eSuite and other 9025 series readers. Thanks to KNX interoperability, it can also manage welcome scenarios, lighting control, blind operation and other room automation functions. Device has an embedded temperature sensor and a rear 2 poles connector configurable as digital or analog input; it's possible to connect an additional NTC temperature probe (eelectron codes TS01A01ACC or TS01B01ACC – not included) to perform a direct temperature measurement or alternatively use the input for door status monitoring. The device includes an RGB LED bar on the front side of the numeric keypad in order to visualize the recognition of the entered code and shows different colours (configurable via ETS) for status or anomalies reporting.

The outdoor numeric keypad also integrates a buzzer that can be enabled or disabled in order to give acoustic feedback when a key is pressed. The 9025 KNX® numeric keypad is mounted in 2 module boxes and is compliant with the main standards (British, German, Italian, etc).

Technical Features

Mechanical data	• Dimensions: 2 modules (W x H x D): 96 x 96 x 36 mm
Mounting	• British, German or Italian 2-module box
Supply	• Via EIB/KNX bus cable 21 ÷ 32 V DC - Max 20 mA
Rear Input - digital mode	• For free potential contacts (dry contacts) • Max. length of Connecting Cables: ≤ 10 m (twisted cable) • Voltage Scanning: 3,3V DC
Rear input - analog mode for temperature probe	For NTC temperature probe eelectron code • TS01A01ACC (range from -20°C to +100°C) • TS01B01ACC (range from -50°C to +60°C) • TS01D01ACC (range from -50°C to +60°C) • Max. length of Connecting Cable: ≤ 30 m (twisted cable)



Order Codes

Outdoor Numeric Keypad

OUTKC02KNX
KNX capacitive numeric keypad outdoor Black

OUTGKP10L3
Outdoor glass frame for 9025 Numeric keypad Black

OUTMC01ACC
Outdoor mounting accessory IP54

9025 evolving skills



OUTKC02KNX
KNX capacitive numeric keypad outdoor
Black

RGB Line numeric keypad cover



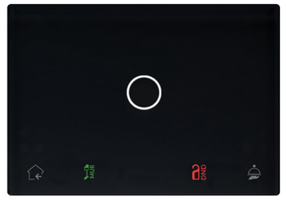
OUTGKP10L3
Outdoor glass frame - Black

Accessory for outdoor numeric keypad



OUTMC01ACC
Outdoor installation accessory
Black





HOSPITALITY

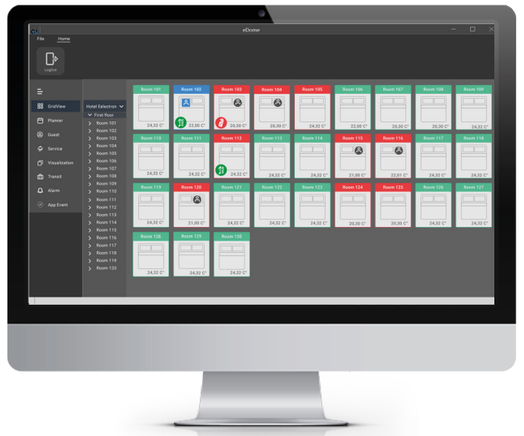
Synchronicity

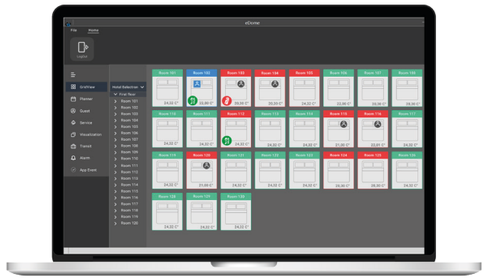
Synchronise events - Synchronise colours

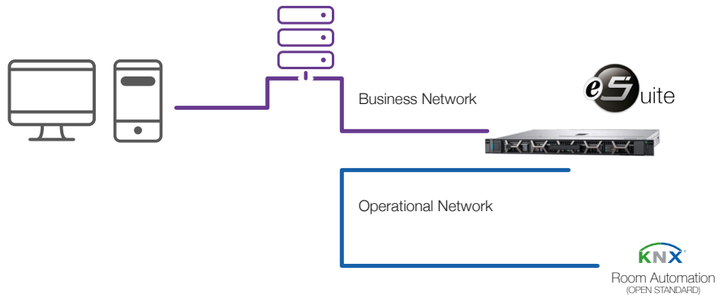







eXcom
File
Home
Light
GridView
Planner
Guest
Service
Visualization
Transit
Alarm
App Event
Hotel Eskorion
First floor
Room 101
Room 102
Room 103
Room 104
Room 105
Room 106
Room 107
Room 108
Room 109
Room 110
Room 111
Room 112
Room 113
Room 114
Room 115
Room 116
Room 117
Room 118
Room 119
Room 120




Business Network
Operational Network
KNX
Room Automation
(OPEN STANDARD)



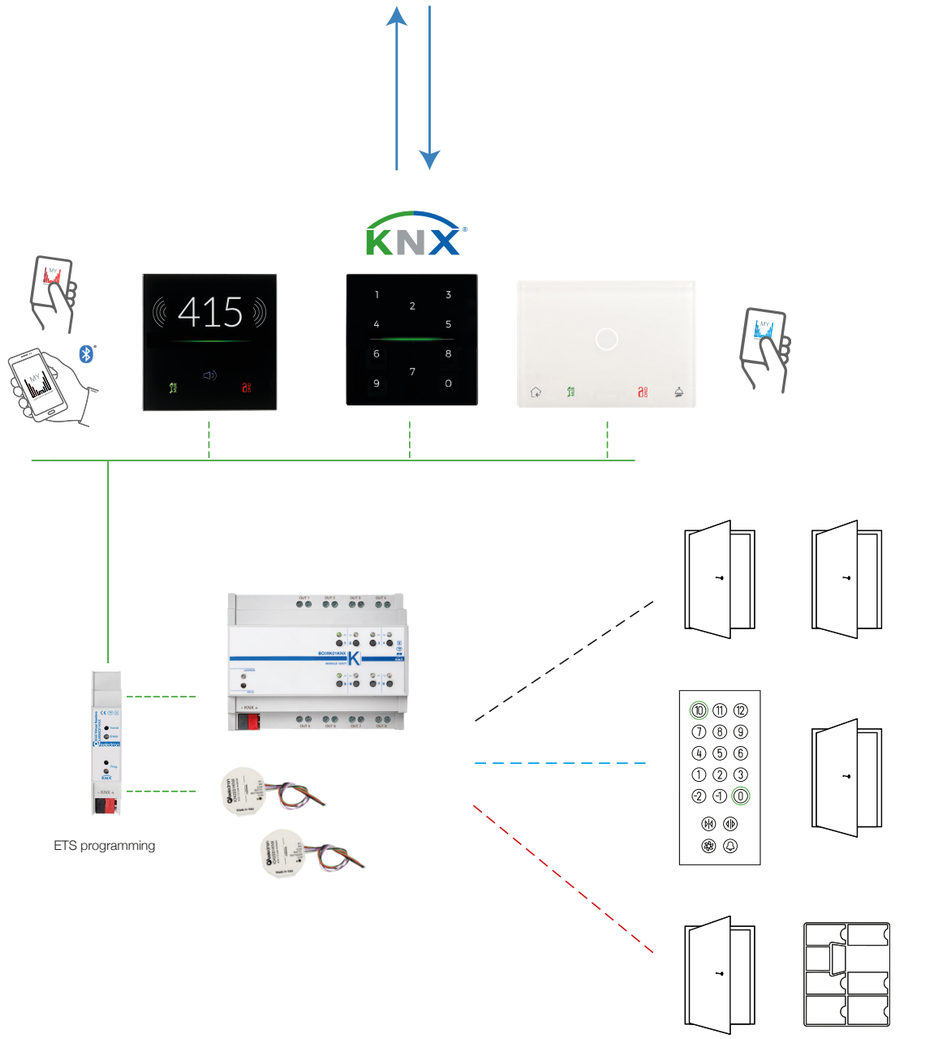

Available on the
App Store


Get it on
Google play

HOSPITALITY

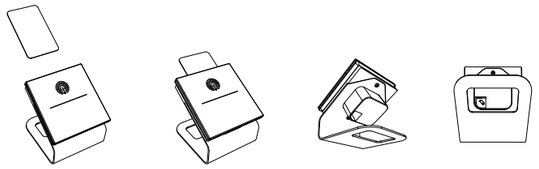






HOSPITALITY

9025
evolving skills







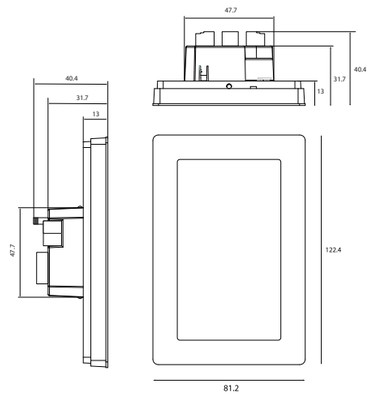












eTouch App

Available on the App Store

GET IT ON Google Play

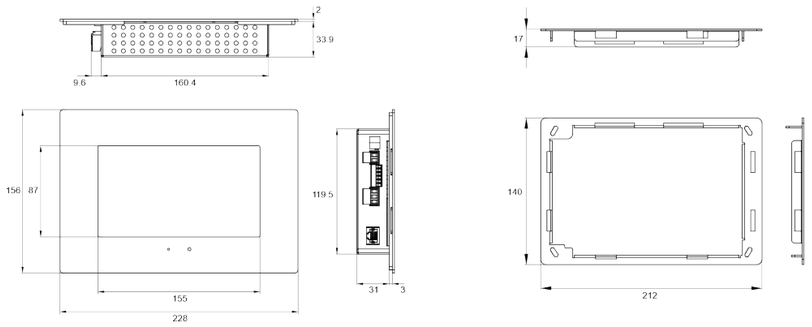


eTouch App

Available on the App Store

GET IT ON Google Play





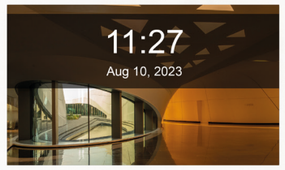
KNX Capacitive Touch Panel 10,1”

IP CONNECTIVITY + DOOR PHONE

The device touch panel 10.1” is a control unit for KNX-based home and building automation installations, featuring a 10.1” TFT capacitive touch screen with IPS technology, integrated web server, and video door phone function. Available in GLASS (full glass front) and CLASSIC (interchangeable front frames) models.

Main features:

- Control and monitoring of KNX devices
- Simple, user-friendly navigation through floorplans and zones
- Up to 512 configurable pages, with up to 8 control functions per page (more than 4000 functions)
- Customizable background images
- User-editable scenes
- Weekly time schedules
- Alarm monitoring with event log
- Presence simulation with day and night schedules
- Logic functions (logic gates, comparators, timers, etc.)
- Four independent thermostats
- Touch gestures: 4 directional gestures + multitouch gesture
- Video door phone function, with full duplex audio and echo cancellation
- IP camera monitoring
- Remote control from smartphone, tablet, and PC
- Integrated stereo loudspeakers and digital microphone
- Four multi-function inputs, individually configurable as binary or temperature probe inputs (see eelectron probe code TS01I01ACC)
- Real-time clock (RTC) with backup battery
- Integrated KNX bus coupling unit
- Very low power consumption
- Doorphone and IP cameras
- P2P SIP & SIP register



Technical Features

Mechanical data	• Dimensions: 302 x 221 x 40 / 42 mm (Glass / Classic)
Mounting	• Wall-mounting box, 275 x 186 x 56 mm (Code TP10I01ACC)
Supply	• Supply voltage 12 V DC ± 5% • Power consumption: typ. 2.3 W (energy saving) / 4.7 W (regular operation), max. 17 W • Connection: Pluggable terminal block, 5.08 mm pitch • Recommended wiring: Conductor section 1.5 mm2 • Power supply unit (included): 12V DC / 24 W PSU, DIN-rail mounted. 77 mm. Input voltage 100-240 V AC @ 50-60 Hz

Order Codes

TP10I12KNX-GL-1
10.1” Capacitive Touch Panel with ips display, IP Connectivity and Door Phone function - Glass - White

TP10I12KNX-GL-3
10.1” Capacitive Touch Panel with ips display, IP Connectivity and Door Phone function - Glass - Black

TP10I12KNX-PL-1
10.1” Capacitive Touch Panel with ips display, IP Connectivity and Door Phone function - Plastic - White

TP10I12KNX-PL-3
10.1” Capacitive Touch Panel with ips display, IP Connectivity and Door Phone function - Plastic - Black

TP10I01ACC
Wall mounting box for TP10IxxKNX

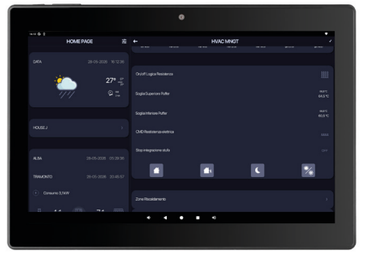
TS01I01ACC
NTC aerial temperature probe for TPxxIyyKNX

PS00A11ACC
Power supply 12 V 15W

PS00A12ACC
Power supply 12 V 24W

Android Touch Panel 5,5” and 10”





Android Smart Touch Panels 5.5” and 10” for KNX Systems
Compact, elegant, and seamlessly integrated into KNX installations, the AP55P01IPI and AP10P01IPI Touch Panels are the ideal solution for bringing a smart control experience directly to the wall.

Thanks to the Android operating system and Google Play Services support, they allow the direct installation of leading supervision applications, including platforms such as XXTER, transforming the panel into a truly intuitive, versatile, and always up-to-date control center.

Intelligent Control, Total Integration. Designed for residential and commercial environments requiring a modern, user-friendly, and flexible KNX supervision solution, these Touch Panels provide an advanced user experience and seamless integration with existing infrastructures.

Built-in Wi-Fi, Bluetooth, and Ethernet connectivity with PoE support enable easy integration into the network infrastructure, simplifying installation and device deployment.

Powered by Android 13, they deliver stable and smooth performance for all smart home and building automation control applications.

Thanks to Google Play Services, users can:
- Install applications directly from the Google Play Store
- Ensure full compatibility with third-party applications
- Receive automatic application updates

Technical Features

Mechanical data	AP55P01IPI • Screen size: 120,96 x 68,04 x 11 mm • Display: 5.5” - 720 x 1280 IPS AP10P01IPI • Screen size: 247,1 x 173,4 x 11 mm • Display: 10” - 1280 x 800 IPS
Mounting	• Wall-mounted on a 2-module British, German or Italian flush-mounted box
Supply	• POE
I/O	• AP55P01IPI: Speaker + Microphone USB-C • SD Card • RJ45 POE • AP10P01IPI: Speaker + Microphone • RJ45 POE • Jack only exit

Order Codes

AP55P01IPI
5,5” Android Touch Panel with Google Play Services - Alluminium case

AP10P01IPI
10” Android Touch Panel with Google Play Services - Plastic case

XXTER
Home & Building Controller

Intelligent automation for your home and building
An advanced system that brings intelligent visualisation to a new level, based on secure KNX technology and other standards to manage home and building automation, as well as batteries, solar panels, electric vehicles, audio, video intercom systems and much more.

Simplicity, control, efficiency
Manage every function with ease, automate anything, optimize consumption, and maximize energy savings.

One single app,all your devices
Control your home or building from smartphone, tablet or smartwatch: everything is at your fingertips.

Remote programming and management
Monitor and manage your installations securely via the cloud.



Hardware Features

Mechanical data	• Dimensions: 4 DIN modules
Supply	• Via bus EIB/KNX, cable 10–36 V DC • Power Consumption: 1 W (average) • Cooling: passive • Overvoltage category: Category III

Order Codes

EEHK04F
xxter Home & Building Controller

EECBHKXP Combo pack PAIROT + xxter

EEXPRO-1Y PRO Service Cloud Connection - 1 year

EEXPRO-2Y PRO Service Cloud Connection - 2 year

EEXPRO-3Y PRO Service Cloud Connection - 3 year

EEXPRO-5Y PRO Service Cloud Connection - 5 year

EEBREEAM-LIC xxter BREEAM Licence

EEBACnet-LIC xxter BACnet Licence

EEOCPP_6v 4 Additional OCPP Chargers

EEOCPP_10v 8 Additional OCPP Chargers

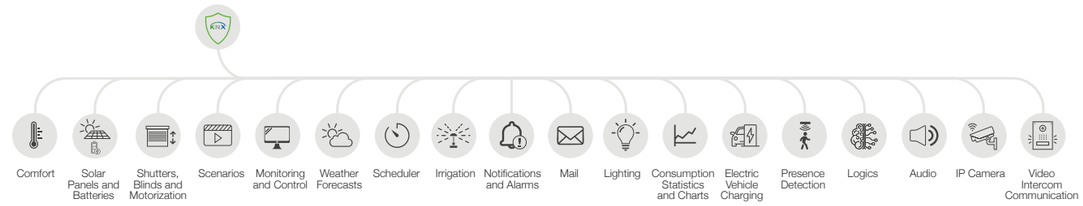
EECOM_PRO-LIC combo pro pack - Breeam lic., BACnet lic. + Ocpp_6v

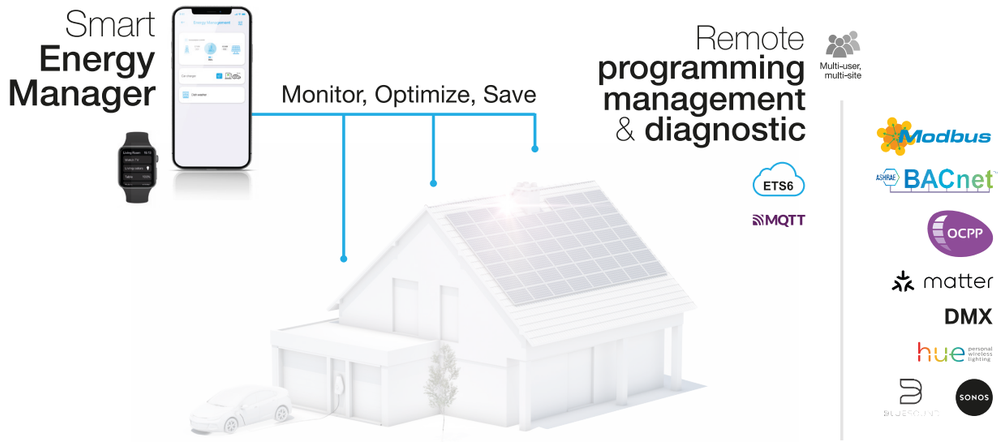
EEXNFC01 NFC Tag

EEXBCN01 xBeacon

Built for **end users.** Made for **system integrators.**







- Combines KNX Home Automation & other connectivity for control & visualisation (One UX)
- App based and visualisation everywhere, anytime
- Advanced control features Schedules, Energy Manager, Alarming, Trending Features, RTC
- Set of tools for programming including LUA to support specific automation needs
- Car charges, BACnet, MODBUS, Philips Hue, Intercom, Cameras & other (ex Weather forecasting)
- It can be combined with Pairot enabling voice assistance native UX and MATTER connectivity

XXTER
controller for Home



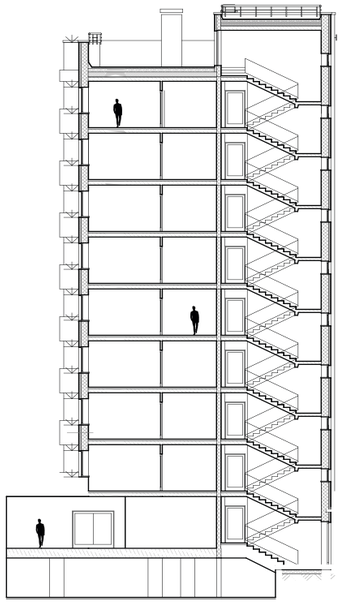


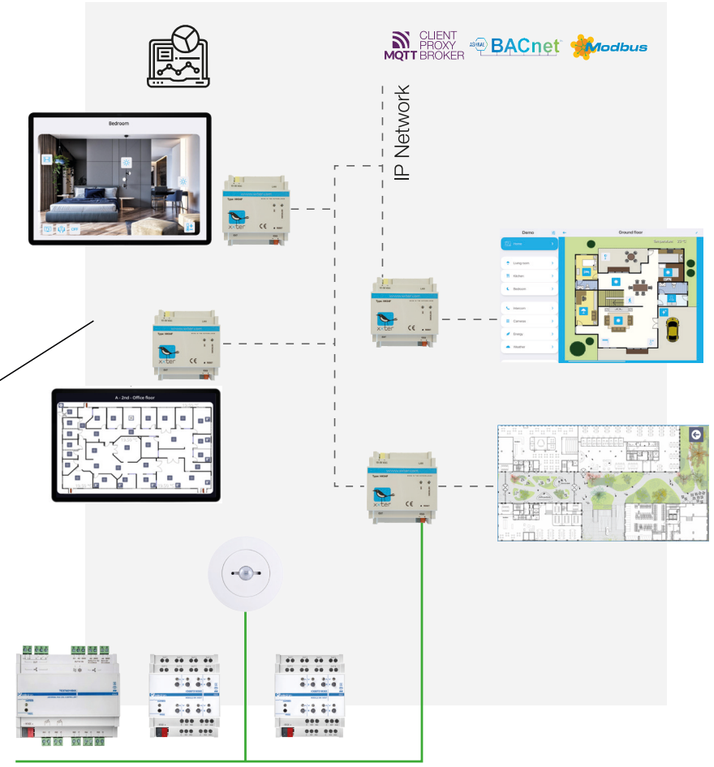
- Solar Panels with Inverters
- Battery Management Systems
- Heat Pump, Chiller, Heating/cooling floors, VRV/VRF
- Forced Mechanical Ventilation
- Electrical, Gas and Water Meters
- Car chargers
- Appliances, Smart TVs and Other connections (Senior Leaving Houses)



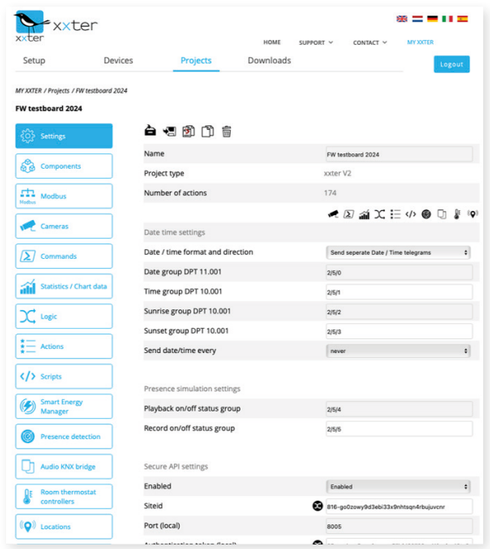
SUPERVISION

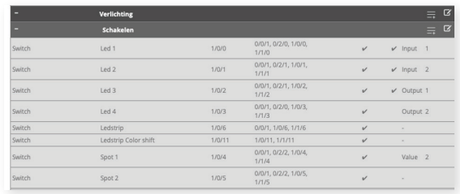
XXTER
controller for Building



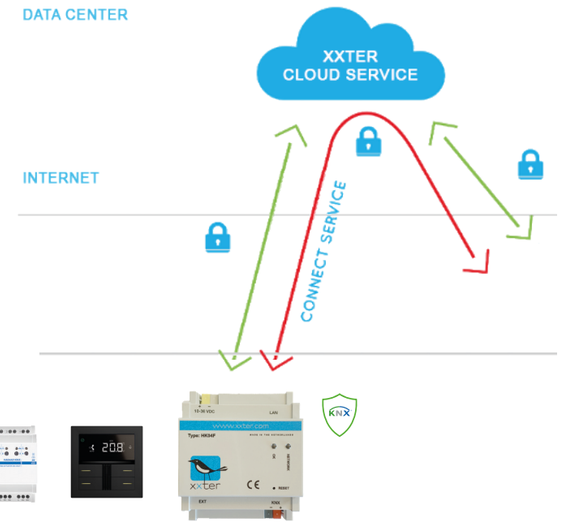


System Integrator (KNX)
Project Configuration Examples

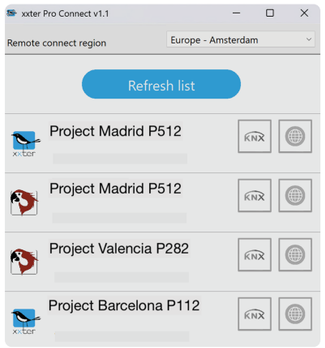








Remote operations



PAIROT
Connected Assistant

Discover PAIROT, the connected assistant for voice control and mobile visualisation.
A smart device from xxter, now part of the eelectron group, compatible with:

- Apple HomeKit,
- Amazon Alexa,
- Google Assistant,
- MATTER devices

Pairot allows you to control the components of your installation and retrieve their status using an Apple, Amazon Echo or Google Home device.
For example, you can easily control your lights or thermostat using simple voice commands.

Additionally, the Pairot features a configurable KNX tunneling interface, allowing you to perform KNX programming as well.



Hardware Features

Mechanical data	• Dimensions: 4 DIN modules
Supply	• Via bus EIB/KNX, cable 10–36 V DC • Power Consumption: 1 W (average) • Cooling: passive • Overvoltage category: Category III

Order Codes

EEXP04C
PAIROT - Connected Assistant for voice control and mobile visualisation

EECBHKXP Combo pack PAIROT + xxter

EEXPRO-1Y PRO Service Cloud Connection - 1 year

EEXPRO-2Y PRO Service Cloud Connection - 2 year

EEXPRO-3Y PRO Service Cloud Connection - 3 year

EEXPRO-5Y PRO Service Cloud Connection - 5 year

EEBREEAM-LIC xxter BREEAM Licence

EEBACnet-LIC xxter BACnet Licence

EEOCPP_6v 4 Additional OCPP Chargers

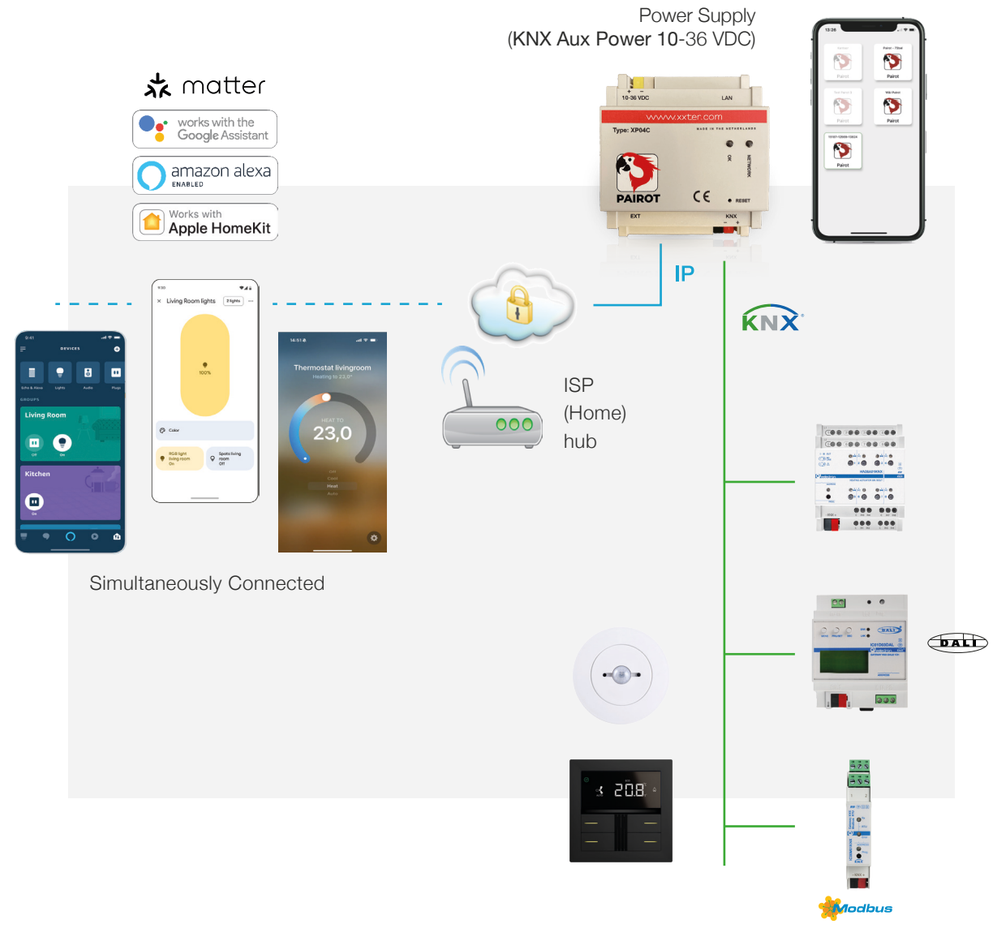
EEOCPP_10v 8 Additional OCPP Chargers

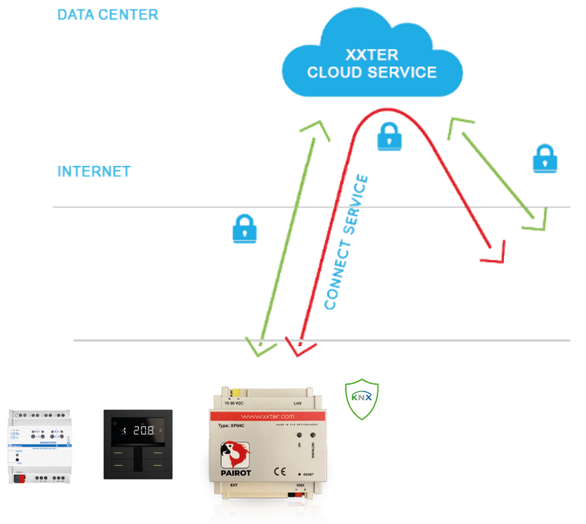
EECOM_PRO-LIC combo pro pack - Breeam lic., BACnet lic. + Ocpp_6v

EEXNFC01 NFC Tag

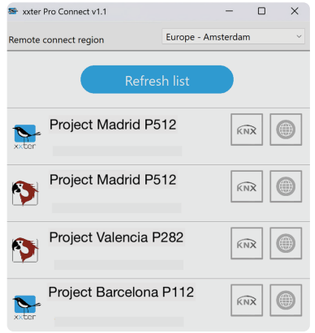
EEXBCN01 xBeacon

Voice Control Applications and their Native UX





Remote operations



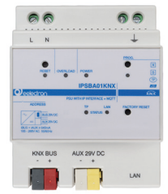
Actuators and Controllers

- Lighting Management
- Climate Control
- Shutters Management
- Dimming, DALI, DMX
- Sensors
- Metering
- System Components
- Interfaces













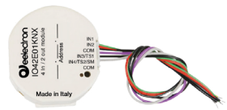














Actuators, Dimmer, Presence Detectors, System components

Overview

Actuators, dimmers and push button interfaces

Actuators Inputs - Outputs

* Input can be digital or analog
** Wire cutting detection with EOL resistor

Model	Installation Type	Dimensions (DIN Modules)	Relay Rating	Outputs	Digital Inputs	Analog Inputs	Load Control	Shutters Venetians Control	Advanced control shut. venet.	Fancoil 2 Pipes 1/2/3 Speed	Fancoil 4 Pipes 1/2 Speed	Fancoil 4 Pipes 3 Speed	Electric Valve	Motor reductor valve	Thermostat logic	Max Interlocks	SD Card	Simultaneous relay commutation	Staircase function	Logics Function	Virtual Holder	Current Sensing	BLE beacon	CO_2 +VOC plug-in	VOC + eCO_2 plug-in
BI08H01	DIN-Rail	4		0	8	0														25					
BI04F01	DIN-Rail	4	N/A	0	4**	4*									4	0				10				■	■
BI08F01	In-Wall	4	N/A	0	8**	4*									4	0				10				■	■
BI16F01	DIN-Rail	8	N/A	0	16**	0										0				16	■				
IO42E01	In-Wall	NA	10A	2	4	2*	■	■	■				■	■	2	2		■	■	12	■		■	■	■
IO04F01	DIN-Rail	4	16A	4	4	4*	■	■	■	■	■		■	■	4	4	■	■	■						
IO08F01	DIN-Rail	4	16A	8	8	4*	■	■	■	■	■	■	■	■	4	8	■	■	■						
IO12F01	DIN-Rail	6	16A	12	12	4*	■	■	■	■	■	■	■	■	3	6	■	■	■						
IO16F01	DIN-Rail	8	16A	16	16	4*	■	■	■	■	■	■	■	■	2	8	■		■						
SA04K01	DIN-Rail		6A	4	0	0		■																	
BO04K01	DIN-Rail	4	16A	4	0	0	■	■	■							0		■	■	8					
BO08K01	DIN-Rail	6	16A	8	0	0	■	■	■							0		■	■	8					
BO12K01	DIN-Rail	8	16A	12	0	0	■	■	■							0		■	■	8					
BO04F01	DIN-Rail	4	16A	4	0	0	■	■	■	■	■		■	■		4	■	■	■						
BO08F01	DIN-Rail	4	16A	8	0	0	■	■	■	■	■	■	■	■		8	■	■	■						
BO12F01	DIN-Rail	6	16A	12	0	0	■	■	■	■	■	■	■	■		6	■	■	■						
BO16F01	DIN-Rail	8	16A	16	0	0	■	■	■	■	■	■	■	■		8	■	■	■						
BO24F01	DIN-Rail	12	16A	24	0	0	■	■	■	■	■	■	■	■		6	■	■	■						
BO08S01	DIN-Rail	8	20A	8	0	0	■												■	8		■			
BO08S02	DIN-Rail	8	20A	8	0	0	■												■	8					

Dimmer

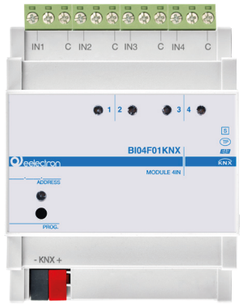
Model	Installation	Outputs	Output's characteristics
DM01D	DIN RAIL	1	700 W
DM02A	DIN RAIL	2	300 W
DM04A	DIN RAIL	4	300 W
DL04A	DIN RAIL	4	4 A
DM04A	DIN RAIL	4	1-10V

Push Button Interfaces

Model	Installation	Digital Inputs	Outputs LED	Analog inputs
IO22D	INWALL	2	2	
IO44D	INWALL	4	4	
IO44D02-S	INWALL	6	2	
IO62D	INWALL	6	2	
AD84C	INWALL	8	4	4

Module 4 Digital Inputs

4 IN — **F Series**



The BI04F01KNX device is equipped with 4 inputs for interfacing dry contacts, for example sensors, switch buttons, etc.
Inputs functions are: on / off control, dimmers, roller shutters and scene recall, etc.
Short and long pressure management, switching, sequences are possible.
The lines can be monitored using an end of line resistor (EOL) of 1.8KΩ [1/8W] value which allows the device to manage sensors with a higher level of safety such as magnetic contacts, motion detectors.
The pulse counter function is also available for counting the pulses detectable on each input. One of the 4 inputs can be configured as analogue for the connection of NTC temperature probes (see eelectron probes code TS00A01ACC / TS00B01ACC) with which to send the temperature measurement on the bus or manage a complete thermostat module. The thermostat manages 2 stages with an integrated PI controller for controlling heating and cooling equipment, valves, 2 and 4-pipe fan coils, etc. Two of the 4 inputs can be configured as “smart sensor” for the connection of ‘plug-in sensor’ (see SM03E03ACC CO_2 + VOC + temperature, SM03E02ACC VOC - temperature - eCO_2). On the front panel there is a LED to display the status of each input.
Moreover, 10 logic blocks are available to implement simple expressions with logical or threshold operator or complex expressions with algebraic and conditional operators; It is possible to use predefined algorithms as proportional controls of temperature and humidity or dew point calculation.

Technical Features

Mechanical data	• Dimensions: 4 DIN modules
Supply	• Via EIB/KNX bus cable: 21 ÷ 32 V DC • Max 15 mA
Input - digital mode	• For free potential contacts (dry contacts) • Max. length of Connecting Cables ≤ 100 m (twisted cable)
Input - analog mode for temperature probe	For NTC temperature probe eelectron code: • TS01A01ACC (range from -20°C to +100°C) • TS01B01ACC (range from -50°C to +60°C) • TS01D01ACC (range from -50°C to +60°C) • Max. length of Connecting Cable: ≤ 30 m (twisted cable)

Order Codes

BI04F01KNX
Universal DIN Module 4 Digital Inputs

SM03E03ACC-x
Plug-in sensor CO_2 + VOC + Temperature - White or black

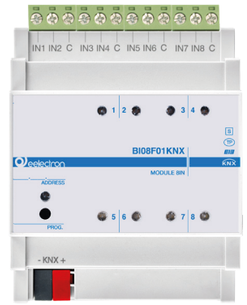
SM03E02ACC-x
Plug-in sensor VOC + CO_2 + eCO_2 + Temperature - White or black

INPUTS

F_Series

Module 8 Digital Inputs

8 IN — **F Series**



The BI08F01KNX device is equipped with 8 inputs for interfacing dry contacts, for example sensors, switch buttons, etc.
Inputs functions are: on / off control, dimmers, roller shutters and scene recall, etc.
Short and long pressure management, switching, sequences are possible.
The lines can be monitored using an end of line resistor (EOL) of 1.8KΩ [1/8W] value which allows the device to manage sensors with a higher level of safety such as magnetic contacts, motion detectors.
The pulse counter function is also available for counting the pulses detectable on inputs (1, 3, 5, 7). One of the 8 inputs can be configured as analogue for the connection of NTC temperature probes (see eelectron probes code TS00A01ACC / TS00B01ACC) with which to send the temperature measurement on the bus or manage a complete thermostat module. The thermostat manages 2 stages with an integrated PI controller for controlling heating and cooling equipment, valves, 2 and 4-pipe fan coils, etc. Two of the 4 inputs can be configured as “smart sensor” for the connection of ‘plug-in sensor’ (see SM03E03ACC CO_2 + VOC + temperature, SM03E02ACC VOC - temperature - eCO_2). On the front panel there is a LED to display the status of each input.
Moreover, 10 logic blocks are available to implement simple expressions with logical or threshold operator or complex expressions with algebraic and conditional operators; It is possible to use predefined algorithms as proportional controls of temperature and humidity or dew point calculation.

Technical Features

Mechanical data	• Dimensions: 4 DIN modules
Supply	• Via EIB/KNX bus cable: 21 ÷ 32 V DC • Max 15 mA
Input - digital mode	• For free potential contacts (dry contacts) • Max. length of Connecting Cables ≤ 100 m (twisted cable)
Input - analog mode for temperature probe	For NTC temperature probe eelectron code: • TS01A01ACC (range from -20°C to +100°C) • TS01B01ACC (range from -50°C to +60°C) • TS01D01ACC (range from -50°C to +60°C) • Max. length of Connecting Cable: ≤ 30 m (twisted cable)

Order Codes

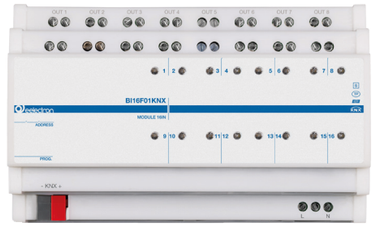
BI08F01KNX
Universal DIN Module 8 Digital Inputs

SM03E03ACC-x
Plug-in sensor CO_2 + VOC + Temperature - White or black

SM03E02ACC-x
Plug-in sensor VOC + CO_2 + eCO_2 + Temperature - White or black

Module 16 Digital Inputs

16 IN — **F Series**



Device 16 Input Module BI16F01KNX is an EIB/ KNX DIN rail mounting device useful to interface commands (e.g. push buttons) for any kind of applications. The device is equipped with 16 binary inputs. Inputs can be connected to conventional switching devices (potential free), e.g. push buttons, switches, floating contacts, for switching functions with pulse edge evaluation (e.g. rising or falling edge, toggle...).
Inputs can be configured with ETS SW as output to drive LEDs. Inputs can be used for on/off commands, dimming, shutter control, scene recall and control; outputs include switching function, scene recall and control logic function.
Device is equipped with KNX communication interface.

Technical Features

Mechanical data	• Dimensions: 8 DIN modules
Supply	• Via EIB/KNX bus cable: 21 ÷ 32 V DC, max 5 mA • Auxiliary supply: 230 V AC
Input - digital mode	• For free potential contacts (dry contacts) • Max. length of Connecting Cables ≤ 100 m (twisted cable)

Order Codes

BI16F01KNX
Universal DIN Module 16 Digital Inputs

Universal DIN Module

8 IN — 100-250 V AC/DC

The BI08H01KNX device has 8 inputs for 100–230 V AC. It allows for the detection of both voltage states (present or absent) and voltage state changes or pulses.

It can be used, for example, to monitor mains voltages, to detect switching states or system states, to detect a state change during the switching on or off of a voltage (if a switch or button has been activated), or simply for classic on-off/dimming functions for lamps or control of blinds.



Technical Features

Mechanical data	• Dimensions: 5 DIN modules
Supply	• Via EIB/KNX bus cable: 21 ÷ 32 V DC • Max 9,5 mA
Uscite	• 8 binary 230 V AC inputs with 1 common terminal by each of them • Scanning voltage 230 V AC • Input Voltage 100-250 V AC • Max cable Length 100m

Order Codes

BI08H01KNX
Universal DIN Module 8 IN
High voltage 100-250 V AC/DC

In-wall module multifunctional

4 IN / 2 OUT

IO42E01KNX is an input and outputs interface device and can be configured with ETS® to communicate with the KNX Data Secure protocol.
Module includes:
• 2 digital inputs
• 1Analog / digital input
• 1 digital / analog / smart sensor input
• 2 relay output (bistable)

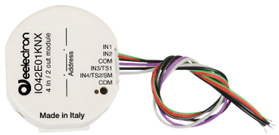
Digital inputs are intended to be connected to free potential contacts and can interface sensors, traditional buttons, etc; they can be used to on/off commands, dimming, shutter control, scene recall and control, sequences of 3 objects.
Inputs 3 and 4 can be configured as analogue for the connection of NTC temperature probes (see eelectron probes code TS01A01ACC / TS01B01ACC/ TS01D01ACC) with which to send the temperature measurement on the bus or manage a complete thermostat module. The thermostat manages 2 stages with an integrated PI controller for controlling heating and cooling equipment, valves, 2 and 4-pipe fan coils.
Input 4 can be configured as “smart sensor” for connection of the plug-in sensors: SM03E03ACC that includes a di temperature sensor (range from -5°C to +50°C) and a CO2 sensor (range from 10 ppm to 1000 ppm) and SM03E02ACC that includes a temperature sensor (range from -5°C to +50°C) and a VOC sensor for measuring Indoor Air Quality (IAQ) and CO2 equivalent (eCO2).

Device 2 outputs on board can be configured:
• Each output can be configured independently for load control (2 independent channels).
• Outputs can be configured in pairs for the management of roller shutters and blinds; (1 channel).
• For controlling a servomotor, in pairs.
• For logic interlock control.
The device integrates an antenna with BEACON BLE (Bluetooth Low Energy) function.

Data format compatible with iBeacon® and Eddystone®.
The device allows you to set the transmission frequency and signal strength.
BLE technology allows the sending of messages to mobile devices. These devices must have an app that allows them to receive information from BLE beacons.
Moreover, 12 logic blocks are available to implement simple expressions with logical or threshold operator or complex expressions with algebraic and conditional operators; It is possible to use predefined algorithms as proportional controls of temperature and humidity or dew point calculation. The device also integrates the “Virtual Holder Logic”; the field of application is the hotel room: through a magnetic sensor installed on the door and connected to a digital input, accurate presence information is managed. The presence detection solution can deduce the presence of people in the room using one or more dedicated sensors. It also detects an unexpected presence and is able to differentiate different behaviours.

Technical Features

Mechanical data	• Dimensions: (Ø x H) 52 x 28 mm
Mounting	• Inwall
Supply	• Via EIB/KNX bus: 21 ÷ 32 V DC • Max 10 mA
Input - digital mode	• or free potential contacts (dry contacts) • Max. length of Connecting Cables ≤ 30 m (twisted cable)
Input - analog mode for temperature probe	• Connectable to NTC probe eelectron code: • TS01A01ACC (range from -20°C to +100°C) • TS01B01ACC (range from -50°C to +60°C) • TS01D01ACC (range from -40°C to 125°C) • Max. length of Connecting Cable: ≤ 20 m (twisted cable)
Output rate	• 10 A cos φ 1 - 230 V AC • Max capacitance @230 V: 21 µF 5.000 cycles • Incandescent lamps max load: 1500 W 50.000 cycles • Fluorescent lamps max load: 6 x18 W 25.000 cycles • Halogen lamps max load: 500 W 50.000 cycles • Discharge lamps max load: 200 W 25.000 cycles



Order Codes

IO42E01KNX
Multifunctional in-wall module
4 Inputs / 2 Outputs, BLE Beacon

Universal Module

4 IN / 4 OUT PLUS — **F Series**

Device IO04F01KNX is a DIN rail EIB / KNX actuators with 4 relay outputs that can be configured as:

• 4 outputs for light / load control
• 4 channels for valve in PWM (solenoid actuators)
• 2 channels for roller shutter / venetian control
• 2 channels for 3-point valve control
• 1 fan coil actuators 2-pipes

The device also includes 4 inputs that can be connected to pushbuttons, switches, or be configured as outputs to activate individual signaling LEDs (eelectron code LD00A01ACC / LD00A11ACC) and can be used for on / off, dimming, shutters or venetian blinds / scenarios, sequences, step-by-step commands, etc. 4 inputs (of the 16) are configurable as analogue for the connection of NTC temperature probes (see probes eelectron code TS00A01ACC / TS00B01ACC) with which to send 4 temperature measurements on the bus and manage a simple on / off controls (e.g. thermo furniture). It is also possible to enable 4 complete thermostat modules; each thermostat module manages 2 stages with integrated PI controller for driving heating and cooling equipment, valves, 2 and 4-pipe fan coils, etc. Version IO04F01KNX-SD includes a microSD card reader includes a microSD card with which you can save the programming of the device to be able to restore it on an identical device in order to avoid programming in field or to allow a fast restore in case of failure.

Technical Features

Mechanical data	• Dimensions: 4 DIN modules
Supply	• Via EIB/KNX bus cable: 21 ÷ 32 V DC • Max 10 ÷ 30 mA (ETS parameter)
Input - digital mode	• For free potential contacts (dry contacts) • Max. length of Connecting Cables ≤ 30 m (twisted cable)
Input - analog mode for temperature probe	• For NTC temperature probe eelectron code: • TS01A01ACC (range from -20°C to +100°C) • TS01B01ACC (range from -50°C to +60°C) • TS01D01ACC (range from -40°C to 125°C) • Max. length of Connecting Cable: ≤ 20 m (twisted cable)
Output rate	• 16A cos φ 1 - 230 V AC • 8 A cos φ 0.6 - 230 V AC • Max current relay output: 16A/16AX (140 µF) • Max peak current: 165 A / 20 ms • Incandescent lamps: max 10 A • Motors e motor reduction units: max 10 A • Fluorescent lamps (max 140 µF) max 3 A (700 W) • Electronic ballast: max 6A • LED’s lamps drivers: always check that the maximum peak current drawn by led power supply is lower than maximum peak current allowed for the relay



Order Codes

IO04F01KNX
Universal module 4 IN / 4 OUT Plus

IO04F01KNX-SD
Universal module 4 IN / 4 OUT + SD Card

Universal Module

8 IN / 8 OUT PLUS — **F Series**



Device IO08F01KNX is a DIN rail EIB / KNX actuators with 8 relay outputs that can be configured as:

- 8 outputs for light / load control
- 8 channels for valve in PWM (solenoid actuators)
- 4 channels for roller shutter / venetian control
- 4 channels for 3-point valve control
- 2 fan coil actuators 2-pipes

It is also possible to combine 2 or 3 relays with logic interlock for 4-pipe / 3-speed fan coil control or combine groups of relays (up to 8) for special function using logic interlock .

The device also includes 8 inputs that can be connected to pushbuttons, switches, or be configured as outputs to activate individual signaling LEDs (eelectron code LD00A01ACC / LD00A11ACC) and can be used for on / off, dimming, shutters or venetian blinds / scenarios, sequences, step-by-step commands, etc. 4 inputs (of the 8) are configurable as analogue for the connection of NTC temperature probes (see probes eelectron code TS00A01ACC / TS00B01ACC) with which to send 4 temperature measurements on the bus and manage a simple on / off controls (e.g. thermo furniture). It is also possible to enable 2 complete thermostat modules; each thermostat module manages 2 stages with integrated PI controller for driving heating and cooling equipment, valves, 2 and 4-pipe fan coils, etc. Version IO08F01KNX-SD includes a microSD card reader includes a microSD card with which you can save the programming of the device to be able to restore it on an identical device in order to avoid programming in field or to allow a fast restore in case of failure.

Technical Features

Mechanical data	• Dimensions: 4 DIN modules
Supply	• Via EIB/KNX bus cable: 21 ÷ 32 V DC • Max 10 ÷ 30 mA (ETS parameter)
Input - digital mode	• For free potential contacts (dry contacts) • Max. length of Connecting Cables ≤ 30 m (twisted cable)
Input - analog mode for temperature probe	• For NTC temperature probe eelectron code: • TS01A01ACC (range from -20°C to +100°C) • TS01B01ACC (range from -50°C to +60°C) • TS01D01ACC (range from -40°C to 125°C) • Max. length of Connecting Cable: ≤ 20 m (twisted cable)
Output rate	• 16A cos φ 1 - 230 V AC • 8 A cos φ 0.6 - 230 V AC • Max current relay output: 16A/16AX (140 µF) • Max peak current: 165 A / 20 ms • Incandescent lamps: max 10 A • Motors e motor reduction units: max 10 A • Fluorescent lamps (max 140 µF) max 3 A (700 W) • Electronic ballast: max 6A • LED's lamps drivers: always check that the maximum peak current drawn by led power supply is lower than maximum peak current allowed for the relay

Order Codes

IO08F01KNX
Universal module 8 IN / 8 OUT Plus

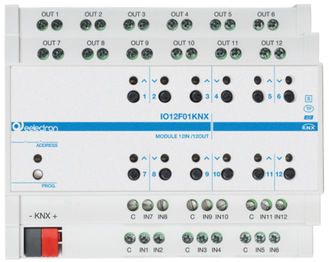
IO08F01KNX-SD
Universal module 8 IN / 8 OUT + SD Card

INPUTS AND OUTPUTS

F_Series

Universal Module

12 IN / 12 OUT PLUS — **F Series**



Device IO12F01KNX is a DIN rail EIB / KNX actuators with 12 relay outputs that can be configured as:

- 12 outputs for light / load control
- 12 channels for valve in PWM (solenoid actuators)
- 6 channels for roller shutter / venetian control
- 6 channels for 3-point valve control
- 3 fan coil actuators 2-pipes / 2 fan coil actuators 4-pipes

The device also includes 12 inputs that can be connected to pushbuttons, switches, or be configured as outputs to activate individual signaling LEDs (eelectron code LD00A01ACC / LD00A11ACC) and can be used for on / off, dimming, shutters or venetian blinds / scenarios, sequences, step-by-step commands, etc. 4 inputs (of the 12) are configurable as analogue for the connection of NTC temperature probes (see probes eelectron code TS00A01ACC / TS00B01ACC) with which to send 4 temperature measurements on the bus and manage a simple on / off controls (e.g. thermo furniture). It is also possible to enable 3 complete thermostat modules; each thermostat module manages 2 stages with integrated PI controller for driving heating and cooling equipment, valves, 2 and 4-pipe fan coils, etc. Version IO12F01KNX-SD includes a microSD card reader includes a microSD card with which you can save the programming of the device to be able to restore it on an identical device in order to avoid programming in field or to allow a fast restore in case of failure.

Technical Features

Mechanical data	• Dimensions: 6 DIN modules
Supply	• Via EIB/KNX bus cable: 21 ÷ 32 V DC • Max 10 ÷ 30 mA (ETS parameter)
Input - digital mode	• For free potential contacts (dry contacts) • Max. length of Connecting Cables ≤ 30 m (twisted cable)
Input - analog mode for temperature probe	• For NTC temperature probe eelectron code: • TS01A01ACC (range from -20°C to +100°C) • TS01B01ACC (range from -50°C to +60°C) • TS01D01ACC (range from -40°C to 125°C) • Max. length of Connecting Cable: ≤ 20 m (twisted cable)
Output rate	• 16A cos φ 1 - 230 V AC • 8 A cos φ 0.6 - 230 V AC • Max current relay output: 16A/16AX (140 µF) • Max peak current: 165 A / 20 ms • Incandescent lamps: max 10 A • Motors e motor reduction units: max 10 A • Fluorescent lamps (max 140 µF) max 3 A (700 W) • Electronic ballast: max 6A • LED's lamps drivers: always check that the maximum peak current drawn by led power supply is lower than maximum peak current allowed for the relay

Order Codes

IO12F01KNX
Universal module 12 IN / 12 OUT Plus

IO12F01KNX-SD
Universal module 12 IN / 12 OUT + SD Card

Universal Module

16 IN / 16 OUT PLUS — **F Series**



Device IO16F01KNX is a DIN rail EIB / KNX actuators with 16 relay outputs that can be configured as:

- 16 outputs for light / load control
- 16 channels for valve in PWM (solenoid actuators)
- 8 channels for roller shutter / venetian control
- 8 channels for 3-point valve control
- 4 fan coil actuators 2-pipes

It is also possible to combine 2 or 3 relays with logic interlock for 4-pipe / 3-speed fan coil control or combine groups of relays (up to 8) for special function using logic interlock .

The device also includes 16 inputs that can be connected to pushbuttons, switches, or be configured as outputs to activate individual signaling LEDs (eelectron code LD00A01ACC / LD00A11ACC) and can be used for on / off, dimming, shutters or venetian blinds / scenarios, sequences, step-by-step commands, etc. 4 inputs (of the 16) are configurable as analogue for the connection of NTC temperature probes (see probes eelectron code TS00A01ACC / TS00B01ACC) with which to send 4 temperature measurements on the bus and manage a simple on / off controls (e.g. thermo furniture). It is also possible to enable 2 complete thermostat modules if inputs 3 ÷ 8 and 11 ÷ 16Are not used; each thermostat module manages 2 stages with integrated PI controller for driving heating and cooling equipment, valves, 2 and 4-pipe fan coils, etc. Version IO16F01KNX-SD includes a microSD card reader includes a microSD card reader with which you can save the programming of the device to be able to restore it on an identical device in order to avoid programming in field or to allow a fast restore in case of failure.

Technical Features

Mechanical data	• Dimensions: 8 DIN modules
Supply	• Via EIB/KNX bus cable: 21 ÷ 32 V DC • Max 10 ÷ 30 mA (ETS parameter)
Input - digital mode	• For free potential contacts (dry contacts) • Max. length of Connecting Cables ≤ 30 m (twisted cable)
Input - analog mode for temperature probe	• For NTC temperature probe eelectron code: • TS01A01ACC (range from -20°C to +100°C) • TS01B01ACC (range from -50°C to +60°C) • TS01D01ACC (range from -40°C to 125°C) • Max. length of Connecting Cable: ≤ 20 m (twisted cable)
Output rate	• 16A cos φ 1 - 230 V AC • 8 A cos φ 0.6 - 230 V AC • Max current relay output: 16A/16AX (140 µF) • Max peak current: 165 A / 20 ms • Incandescent lamps: max 10 A • Motors e motor reduction units: max 10 A • Fluorescent lamps (max 140 µF) max 3 A (700 W) • Electronic ballast: max 6A • LED's lamps drivers: always check that the maximum peak current drawn by led power supply is lower than maximum peak current allowed for the relay

Order Codes

IO16F01KNX
Universal module 16 IN / 16 OUT Plus

IO16F01KNX-SD
Universal module 16 IN / 16 OUT + SD Card

Universal Module

4 OUT - PLUS — **F Series**



Device BO04F01KNX is a DIN rail EIB / KNX actuators with 4 relay outputs that can be configured as:

- 4 outputs for light / load control
- 4 channels for valve in PWM (solenoid actuators)
- 2 channels for roller shutter / venetian control
- 2 channels for 3-point valve control
- 1 fan coil actuators 2-pipes

Version BO04F01KNX-SD includes a microSD card reader with which you can save the programming of the device to be able to restore it on an identical device in order to avoid programming in field or to allow a fast restore in case of failure.

Technical Features

Mechanical data	• Dimensions: 4 DIN modules
Supply	• Via EIB/KNX bus cable: 21 ÷ 32 V DC • Max 10 ÷ 30 mA (ETS parameter)
Output rate	• 16A cos φ 1 - 230 V AC • 8A cos φ 0.6 - 230 V AC • Max current relay output: 16A/16AX (140 µF) • Max peak current: 165 A / 20 ms • Incandescent lamps: max 10 A • Motors e motor reduction units: max 10A • Fluorescent lamps (max 140 µF) max 3A (700 W) • Electronic ballast: max 6A • LED's lamps drivers: always check that the maximum peak current drawn by led power supply is lower than maximum peak current allowed for the relay

Order Codes

BO04F01KNX
Universal module 4 OUT Plus

BO04F01KNX - SD
Universal module 4 OUT + SD Card

Universal Module

8 OUT - PLUS — **F Series**



Device BO08F01KNX is a DIN rail EIB / KNX actuators with 8 relay outputs that can be configured as:

- 8 outputs for light / load control
- 8 channels for valve in PWM (solenoid actuators)
- 4 channels for roller shutter / venetian control
- 4 channels for 3-point valve control
- 2 fan coil actuators 2-pipes

It is also possible to combine 2 or 3 relays with logic interlock for 4-pipe / 3-speed fan coil control or combine groups of relays (up to 8) for special function using logic interlock .

Version BO08F01KNX-SD includes a microSD card reader with which you can save the programming of the device to be able to restore it on an identical device in order to avoid programming in field or to allow a fast restore in case of failure.

Technical Features

Mechanical data	• Dimensions: 4 DIN modules
Supply	• Via EIB/KNX bus cable: 21 ÷ 32 V DC • Max 10 ÷ 30 mA (ETS parameter)
Output rate	• 16A cos φ 1 - 230 V AC • 8 A cos φ 0.6 - 230 V AC • Max current relay output: 16A/16AX (140 µF) • Max peak current: 165 A / 20 ms • Incandescent lamps: max 10 A • Motors e motor reduction units: max 10 A • Fluorescent lamps (max 140 µF) max 3 A (700 W) • Electronic ballast: max 6A • LED's lamps drivers: always check that the maximum peak current drawn by led power supply is lower than maximum peak current allowed for the relay

Order Codes

BO08F01KNX
Universal module 8 OUT Plus

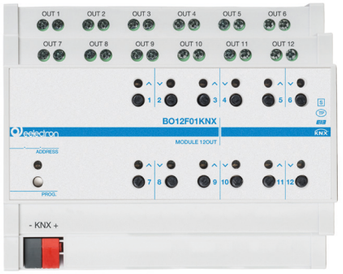
BO08F01KNX - SD
Universal module 8 OUT + SD Card

OUTPUTS

F_Series

Universal Module

12 OUT - PLUS — **F Series**



Device BO12F01KNX is a DIN rail EIB / KNX actuators with 16 relay outputs that can be configured as:

- 12 outputs for light / load control
- 12 channels for valve in PWM (solenoid actuators)
- 6 channels for roller shutter / venetian control
- 6 channels for 3-point valve control
- 3 fan coil actuators 2-pipes / 2 fan coil actuators 4-pipes

It is also possible to combine 2 or 3 relays with logic interlock for 4-pipe / 3-speed fan coil control or combine groups of relays (up to 6) for special function using logic interlock.

Version BO12F01KNX-SD includes a microSD Card reader includes a microSD card reader with which you can save the programming of the device to be able to restore it on an identical device in order to avoid programming in field or to allow a fast restore in case of failure.

Technical Features

Mechanical data	• Dimensions: 6 DIN modules
Supply	• Via EIB/KNX bus cable: 21 ÷ 32 V DC • Max 10 ÷ 30 mA (ETS parameter)
Output rate	• 16A cos φ 1 - 230 V AC • 8 A cos φ 0.6 - 230 V AC • Max current relay output: 16A/16AX (140 µF) • Max peak current: 165 A / 20 ms • Incandescent lamps: max 10 A • Motors e motor reduction units: max 10 A • Fluorescent lamps (max 140 µF) max 3 A (700 W) • Electronic ballast: max 6A • LED's lamps drivers: always check that the maximum peak current drawn by led power supply is lower than maximum peak current allowed for the relay

Order Codes

BO12F01KNX
Universal module 12 OUT Plus

BO12F01KNX - SD
Universal module 12 OUT + SD Card

Universal Module

16 OUT - PLUS — **F Series**



Device BO16F01KNX is a DIN rail EIB / KNX actuators with 16 relay outputs that can be configured as:

- 16 outputs for light / load control
- 16 channels for valve in PWM (solenoid actuators)
- 8 channels for roller shutter / venetian control
- 8 channels for 3-point valve control
- 4 fan coil actuators 2-pipes

It is also possible to combine 2 or 3 relays with logic interlock for 4-pipe / 3-speed fan coil control or combine groups of relays (up to 8) for special function using logic interlock .

Version BO16F01KNX-SD includes a microSD Card reader includes a microSD card reader with which you can save the programming of the device to be able to restore it on an identical device in order to avoid programming in field or to allow a fast restore in case of failure.

Technical Features

Mechanical data	• Dimensions: 8 DIN modules
Supply	• Via EIB/KNX bus cable: 21 ÷ 32 V DC • Max 10 ÷ 30 mA (ETS parameter)
Output rate	• 16A cos φ 1 - 230 V AC • 8 A cos φ 0.6 - 230 V AC • Max current relay output: 16A/16 AX (140 µF) • Max peak current: 165 A / 20 ms • Incandescent lamps: max 10 A • Motors e motor reduction units: max 10 A • Fluorescent lamps (max 140 µF) max 3 A (700 W) • Electronic ballast: max 6A • LED's lamps drivers: always check that the maximum peak current drawn by led power supply is lower than maximum peak current allowed for the relay

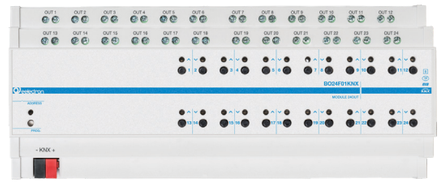
Order Codes

BO16F01KNX
Universal module 16 OUT Plus

BO16F01KNX - SD
Universal module 16 OUT + SD Card

Universal Module

24 OUT - PLUS — **F Series**



Device BO24F01KNX is a DIN rail EIB / KNX actuators with 16 relay outputs that can be configured as:

- 24 outputs for light / load control
- 24 channels for valve in PWM (solenoid actuators)
- 12 channels for roller shutter / venetian control
- 12 channels for 3-point valve control
- 6 fan coil actuators 2-pipes / 4 fan coil actuators 4-pipes

It is also possible to combine 3,4 or 5 relays with logic interlock for 4-pipe / 3-speed fan coil control or combine groups of relays (up to 6) for special function using logic interlock .

Version BO24F01KNX-SD includes a microSD Card reader includes a microSD card reader with which you can save the programming of the device to be able to restore it on an identical device in order to avoid programming in field or to allow a fast restore in case of failure.

Technical Features

Mechanical data	• Dimensions: 12 DIN modules
Supply	• Via EIB/KNX bus cable: 21 ÷ 32 V DC • Max 10 ÷ 30 mA (ETS parameter)
Output rate	• 16A cos φ 1 - 230 V AC • 8 A cos φ 0.6 - 230 V AC • Max current relay output: 16A/16 AX (140 µF) • Max peak current: 165 A / 20 ms • Incandescent lamps: max 10 A • Motors e motor reduction units: max 10 A • Fluorescent lamps (max 140 µF) max 3 A (700 W) • Electronic ballast: max 6A • LED's lamps drivers: always check that the maximum peak current drawn by led power supply is lower than maximum peak current allowed for the relay

Order Codes

BO24F01KNX
Universal module 12 OUT Plus

BO24F01KNX - SD
Universal module 12 OUT + SD Card

Universal Module

4 OUT — **K Series**

The device BO04K01KNX is a DIN actuator with 16A – 230 V AC relay outputs for controlling loads or shutters and blinds, it has 4 relay outputs and they can be configured in different ways:

- Every single output configured independently to control lights or generic loads
- Outputs configured in pairs to manage shutters, blinds, etc. .. (equipped with mechanical end position)

8 logic blocks are available to implement simple expressions with logical or threshold operator or complex expressions with algebraic and conditional operators. Device is equipped with KNX communication interface.



Technical Features

Mechanical data	• Dimensions: 4 DIN modules
Supply	• Via EIB/KNX bus cable: 21 ÷ 32 V DC • Max 10 mA
Output rate	• 16A cos φ 1 - 230 V AC • 8 A cos φ 0.6 - 230 V AC • Max current relay output: 16A cos φ 1 - 250 V AC • Max peak current: 117 A (TV-8 rating) • Incandescent lamps: max 5 A • Motors e motor reduction units: max 3 A • Tungsten: max 8 A • Electronic ballast: max 8 A • LED's lamps drivers: always check that the maximum peak current drawn by led power supply is lower than maximum peak current allowed for the relay

Order Codes

BO04K01KNX
Universal module 4 OUT

Universal Module

8 OUT — **K Series**

The device BO08K01KNX is a DIN actuator with 16A – 230 V AC relay outputs for controlling loads or shutters and blinds. It has 8 relay outputs and they can be configured in different ways:

- Every single output configured independently to control lights or generic loads
- Outputs configured in pairs to manage shutters, blinds, etc. .. (equipped with mechanical end position)

8 logic blocks are available to implement simple expressions with logical or threshold operator or complex expressions with algebraic and conditional operators. Device is equipped with KNX communication interface



Technical Features

Mechanical data	• Dimensions: 6 DIN modules
Supply	• Via EIB/KNX bus cable: 21 ÷ 32 V DC • Max 10 mA
Output rate	• 16A cos φ 1 - 230 V AC • 8 A cos φ 0.6 - 230 V AC • Max current relay output: 16A cos φ 1 - 250 V AC • Max peak current: 117 A (TV-8 rating) • Incandescent lamps: max 5 A • Motors e motor reduction units: max 3 A • Tungsten: max 8 A • Electronic ballast: max 8 A • LED's lamps drivers: always check that the maximum peak current drawn by led power supply is lower than maximum peak current allowed for the relay

Order Codes

BO08K01KNX
Universal module 8 OUT

Universal Module

12 OUT — **K Series**

The device BO12K01KNX is a DIN actuator with 16A – 230 V AC relay outputs for controlling loads or shutters and blinds. It has 12 relay outputs and they can be configured in different ways:

· Every single output configured independently to control lights or generic loads for a total of 4, 8 or 12 outputs

· Outputs configured in pairs to manage shutters, blinds, etc. .. (equipped with mechanical end position) for a total of 2, 4 or 6 channels
8 logic blocks are available to implement simple expressions with logical or threshold operator or complex expressions with algebraic and conditional operators Device is equipped with KNX communication interface



Technical Features

Mechanical data	• Dimensions: 8 DIN modules
Supply	• Via EIB/KNX bus cable: 21 ÷ 32 V DC • Max 10 mA
Output rate	• 16A cos φ 1 - 230 V AC • 8 A cos φ 0.6 - 230 V AC • Max current relay output: 16A cos φ 1 - 250V AC • Max peak current: 117 A (TV-8 rating) • Incandescent lamps: max 5 A • Motors e motor reduction units: max 3 A • Tungsten: max 8 A • Electronic ballast: max 8 A • LED's lamps drivers: always check that the maximum peak current drawn by led power supply is lower than maximum peak current allowed for the relay

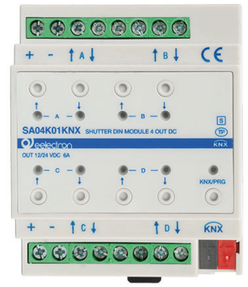
Order Codes

BO12K01KNX
Universal module 12 OUT

Shutters module

4 OUT - DC Motor Controller 12-24 V — **K Series**

The device has 4 channels for controlling Venetian blinds or shutters. Therefore, up to 4 drives for Venetian blinds, shutters or other shading devices powered by 24V AC DC can be controlled. An each channel, status objects can be assigned that signal the current position or the 'up' and 'down' end position (track). Parameters define the travel time for the up and down movement and for the opening of slats or louvers for roller shutters. Based on these parameters, blinds and shutters can be precisely controlled. Venetian blind/shutter channels can be integrated into the interior module for façade control. Additional objects are available for the corresponding façade control up/down, position and slat position. In addition, Venetian blind/shutter channels can be integrated into additional functions of the application module. Installed on the standard 35 mm DIN rail and has a width of 4 DIN modules. All channels are supplied with an external voltage of 24 V DC AC. The channel outputs control the two up/down travel directions. The device is connected to the KNX bus via the standard bus connector.



Technical Features

Mechanical data	• Dimensions: 4 DIN modules
Supply	• Via EIB/KNX bus cable: 21 ÷ 32 V DC • Max 9,5 mA
Output rate	• 4 outputs for DC shutter control and/or 4 AC motor with separated supply inputs • Motor 24 V DC AC • Maximum switching capacity per output: 6A / 24 V DC

Order Codes

SA04K01KNX
Shutters module 4 OUT 12-24 V DC

DIN Modules 8 OUT

20A WITH **CURRENT SENSORS**



The KNX current sensing actuator 20A is a DIN modules with 8 relay outputs of 20A – 230 V AC for controlling lights or generic loads.

The outputs can be configured in different ways:

• Every single output configured independently to control lights or generic loads for a total of 8 outputs.

• It is possible to combine groups of relays (up to 8) for special functions with logic interlocking.

The KNX current sensing actuator 20A has an integrated “current sensing” function which allows to measure the current of each relay output with the “true RMS” method (RMS = Root-Mean-Square value).

Two current thresholds can be set; when the value of the first threshold is exceeded, a warning function will be activated; when the second (higher) threshold value is exceeded, the alarm function which provides for the opening of the relay is activated.

Moreover, 8 logic blocks are available to implement simple expressions with logical or threshold operator or complex expressions with algebraic and conditional operators.

Technical Features

Mechanical data	• Dimensions: 8 modules DIN
Supply	• Via EIB/KNX bus 21 ÷ 32 V DC • Max 12 mA
Outputs	• Max current relay output: - AC1 (cos ϕ 0.8) 20 A/230±10% - AC1 (cos ϕ ≤ 0.8) 16A/230 ±10% • Max. peak current: 500A/2ms • Resistive load: 20A 230 V AC ±10% • Incandescent lamps: 16A 230 V AC ±10% • Motor: 10A 230 V AC ±10% • Fluorescent lamp: 10A 230 V AC ±10% • Minimum mechanical switching number: 1 x 10^6

Order Codes

BO08S01KNX
Universal module 8 OUT 20A with current sensors

DIN Modules 8 OUT

20A



The KNX DIN module 20A actuator is a DIN module with 8 relay outputs of 20A – 230 V AC for controlling lights or generic loads.

The outputs can be configured in different ways:

• Every single output configured independently to control lights or generic loads for a total of 8 outputs.

• It is possible to combine groups of relays (up to 8) for special functions with logic interlocking.

Moreover, 8 logic blocks are available to implement simple expressions with logical or threshold operator or complex expressions with algebraic and conditional operators.

Contact us for more information about the KNX DIN module 20A actuator.

Technical Features

Mechanical data	• Dimensions: 8 modules DIN
Supply	• Via EIB/KNX bus 21 ÷ 32 V DC • Max 12 mA
Uscite a relè	• Max current relay output: - AC1 (cos ϕ 0.8) 20 A/230±10% - AC1 (cos ϕ ≤ 0.8) 16A/230 ±10% • Max. peak current: 500A/2ms • Resistive load: 20A 230 V AC ±10% • Incandescent lamps: 16A 230 V AC ±10% • Motor: 10A 230 V AC ±10% • Fluorescent lamp: 10A 230 V AC ±10% • Minimum mechanical switching number: 1 x 10^6

Order Codes

BO08S02KNX
Universal module 8 OUT 20A

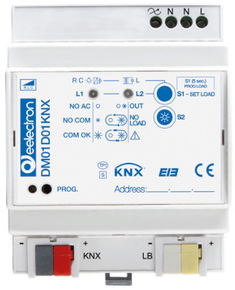
Universal Dimmer

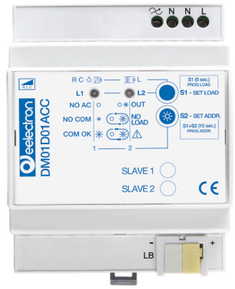
1 CHANNEL 700 W - MASTER AND SLAVE

DM01D01KNX is a KNX power dimmer 1-channel acting as a Master Dimmer to which you can connect up to two Slave Modules (cod. DM01D01ACC) with identical characteristics to the Master power dimmer and connected to it by a local two wires bus.

Dimmer DM01D01KNX can be used in one of the following configurations:
Trailing Edge: The dimmer turns off part of the final part of the waveform of the input voltage resulting in reduced lamp output. This load regulation is used for resistive or capacitive loads (typically halogen lamps with electronic transformer or incandescent lamps).
Leading Edge: The dimmer turns off part of the initial part of the waveform of the input voltage, resulting in reduced lamp output. This load regulation is used for inductive loads (typically ferromagnetic transformers or toroidal).

The three channels are independent and can therefore operate on different phases of the same three phase systems respecting the limit of 230 V AC between phase and neutral.





Technical Features

Mechanical data	• Dimensions: 4 DIN modules
Supply	• Via EIB/KNX bus cable: 21 ÷ 32 V DC, max 10 mA • Input power supply: 230 V AC 50/60 Hz
Connections	• Power supply & load cable: max 2,5 mm^2 • Local bus length: max 2 m between 2 modules
Output rate	• Incandescent or halogen lamps: 20-700 W • Ferromagnetic transformer 20-700 VA • Electronic transformer: 20-700 VA • Dimmable LED Lamps: Max 160 W • Compact fluorescent lamps (ESL/CFL): Max 160 W

Order Codes

DM01D01KNX
Universal Dimmer 1 Channel 700 W
Master

DM01D01ACC
Universal Dimmer 1 Channel 700 W
Slave

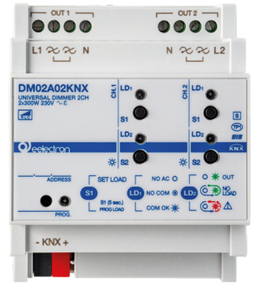
Universal Dimmer

2 CHANNELS X 300 W

DM02A02KNX is a KNX universal power dimmer 2 channels with automatic identification of load type and with settable parameters to optimize control of different lamps like LED, incandescent and halogen, CFL dimmable lights, low voltage lamps with electronic or ferromagnetic transformer.

The 2 channels can be used independently or combined in pair to drive higher power loads; always respect the maximum power values indicated in the table of this instruction sheet and check in the handbook how to configure the outputs as combined in ETS. To define the maximum load and in particular the maximum number of lamps that can be connected, the DimmerLoadTester software is available; with it is possible to analyze the peak absorption of a single lamp and calculate the maximum number of lamps that can be connected.

Load control is possible in leading and trailing edge.



Technical Features

Mechanical data	• Dimensions: 4 DIN modules		
Supply	• Via EIB/KNX bus cable: 21 ÷ 32 V DC, max 10 mA • Input power supply: 230 V AC 50/60 Hz		
Output rate		Single	Paired
	Incandescent or halogen lamps (230V~ 50/60 Hz) 300 W 600 W RC LIN	300 W	600 W
	Ferromagnetic transformer (Halogen lamps 12/24V ~ 50/60 Hz) 200 VA 400 VA L (1) LIN	200 VA	400 VA
	Electronic transformers (Halogen lamps 12/24V ~ 50/60 Hz)	60 VA	100VA
	Dimmable LED lamps (230V~ 50/60 Hz) - L	60 W	100 W
	Dimmable LED lamps (230V~ 50/60 Hz) - RC	120 W	200 W
	Compact Fluorescent Lamps (ESL/CFL)	60 W	100 W

Order Codes

DM02A02KNX
Dimmer 2 Channels - 300 W

Dimmer

4 CHANNELS 1-10V



DM04E01KNX is a 4-channel KNX® dimmer for controlling electronic ballasts via a 1-10 V signal. The device, which does not require additional power supply, also offers the following features:

Capability to control devices in the following configurations:
- Single channel,Tunable white (channels 1/3 = cold output - channels 2/4 = warm output), RGB, RGBW
- 4 independent relay contacts, each rated for 16 A, for controlling the power of electronic ballasts
- Flexible relay configuration in relation to the 1-10 V outputs, e.g., for controlling RGBW lamps (1 relay + 4 associated 1-10 V outputs)
- Capacitive load control, meaning no inrush currents
- Operation of switching outputs as actuator/blind control
- Start-up function for fluorescent lamps
- Ability to set channel behavior upon power-up and during dimming
- Timed functions: activation/deactivation delay, staircase lighting function with warning feature
- Possibility to enable: scenes, sequences, blocking, and logic functions
- Energy-saving mode (Economical Mode)
- Dimming characteristic curve customization (up to 5 points)
- 4 manual buttons for controlling the 1-10 V outputs with corresponding LEDs to indicate the channel status.

The device features 16 logic blocks that can be used to create simple expressions with logical or threshold operators, as well as more complex expressions with conditional algebraic operators. It also allows the use of predefined algorithms, such as proportional controls for temperature and humidity or dew point calculation.

The device is configurable through the ETS® application and can communicate using the KNX® Data Secure protocol. The KNX® communication interface is included

Technical Features

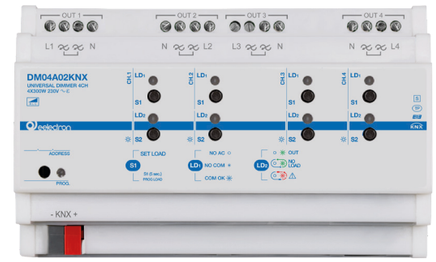
Mechanical data	• Dimensions: 4 modules DIN
Supply	• Via bus EIB/KNX cable 21 ÷ 32 V DC SELV • Current Consumption AUX 15 mA
Analog outputs	• 1 ÷ 10 V, max 100 mA
Relay outputs	• Contact type: Contatto μ • Maximum current on relay: 16 A cos ϕ 1 - 250 V AC • Max peak current: 117 A (TV-8 rating) • Standard ballast: max 5 A • Incandescent lamps: max 8 A • Motors and gear motors: max 3 A (1HP) • Tungsten: max 8 A

Order Codes

DM04E01KNX
DIN 4 OUT - 1-10 V Dimmer

Universal Dimmer

4 CHANNELS X 300 W



DM04A02KNX is a KNX universal power dimmer 4-channels with automatic identification of load type and with settable parameters to optimize control of different lamps like LED, incandescent and halogen, CFL dimmable lights, low voltage lamps with electronic or ferromagnetic transformer.

The 4 channels can be used independently or combined in pair (1+2 and 3+4) to drive higher power loads; always respect the maximum power values indicated in the table of this instruction sheet and check in the handbook how to configure the outputs as combined in ETS. To define the maximum load and in particular the maximum number of lamps that can be connected, the DimmerLoadTester software is available; with it is possible to analyze the peak absorption of a single lamp and calculate the maximum number of lamps that can be connected.

Load control is possible in leading and trailing edge.

Technical Features

Mechanical data	• Dimensions: 8 DIN modules		
Supply	• Via EIB/KNX bus cable: 21 ÷ 32 V DC, max 10 mA • Input power supply: 230 V AC 50/60 Hz		
Output rate		Single	Paired
	Incandescent or halogen lamps (230V~ 50/60 Hz) 300 W 600 W RC LIN	300 W	600 W
	Ferromagnetic transformer (Halogen lamps 12/24V ~ 50/60 Hz) 200 VA 400 VA L (1) LIN	200 VA	400 VA
	Electronic transformers (Halogen lamps 12/24V ~ 50/60 Hz)	60 VA	100VA
	Dimmable LED lamps (230V~ 50/60 Hz) - L	60 W	100 W
	Dimmable LED lamps (230V~ 50/60 Hz) - RC	120 W	200 W
	Compact Fluorescent Lamps (ESL/CFL)	60 W	100 W

Order Codes

DM04A02KNX
Dimmer 4 Channels - 300 W

Dimmer Led

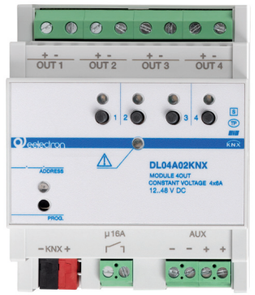
CV 4 CHANNELS

DL04A02KNX is a dimming actuator for LED in DC with constant voltage (CV).
The device allows to drive 4 independent channels or 1 RGB channel and 1 single colour channel or 1 channel RGBW.

It is possible to enable the notification mode of the correct functionality of the device via a communication object Module can be powered from 12 to 48V DC and consequently can manage the outputs (LED strips) with voltage from 12 to 48V DC.

The maximum current for each channel is 6A. The device includes a 16A relay, suitable for switching capacitive loads, that allows a complete shutdown of the external power supply when all loads are switched off (for example at night) ensuring the maximization of the energy saving. It is mandatory to connect one of the external power supply cables to the relay.

In case of an anomaly of the outputs, the device automatically excludes the external power supply and the device stops working. On the front pane there are 4 local switching buttons with corresponding status LED and a LED for signalling faults: over-temperature, power connection with reversed polarity, insufficient auxiliary power supply voltage.



Technical Features

Mechanical data	• Dimensions: 4 modules DIN
Supply	• Via bus EIB/KNX cable 21 ÷ 32 V DC, max 5 mA • AUX input to supply LED's 12 ÷ 48 V DC ± 10% • Current Consumption AUX ≤ 24A
Output rate	• Frequency PWM: 200 / 260 / 400 Hz
Protection	• Overcurrent • Overtemperature • Polarity reversal

Order Codes

DL04A02KNX
Dimmer LED 4 channels RGB - White

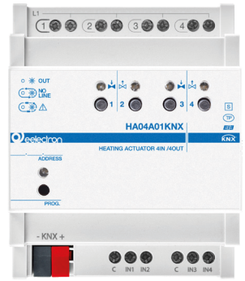
Module for Electrothermal Valves

4 IN / 4 OUT

The HA04A01KNX device is a EIB/KNX DIN rail actuators for electrothermal valves with 4 Triac outputs at 24 ÷ 230 V AC; the devices include 4 inputs for dry (potential-free) contacts. The outputs can be configured as:

- 4 channels for valve control in ON / OFF or PWM
- 2 channels for 3-points valve control

Inputs can be connected to buttons or switches (potential-free) and can be used for on / off commands, dimming, shutters or blinds / scenarios, sequences, step commands, etc. Inputs from 1 to 4 can be configured as outputs to activate single signalling LEDs (see eelectron LEDs code LD00A01ACC / LD00A11ACC) or can be configured as analogue inputs for the connection of NTC temperature probes (see eelectron probes code TS00A01ACC / TS00B01ACC) with which to send 4 temperature measurements on the bus or to manage 4 complete thermostat modules. Each thermostat module manages 2 stages with an integrated PI controller for controlling heating and cooling equipment, valves, 2 and 4 pipe fan coils, etc. Additional 4 thermostat modules are available in the device for a total of 8. Moreover, 8 logic blocks are available to implement simple expressions with logical/threshold operator or complex expressions with algebraic and conditional operators; It's possible to use predefined algorithms as proportional controls of temperature and humidity or dew point calculation.
Device is equipped with KNX communication interface and is intended for installation on DIN rail in LV distribution cabinets.



Technical Features

Mechanical data	• Dimensions: 4 DIN Modules
Supply	• Via EIB/KNX bus cable: 21 ÷ 32 V DC • Max 10 mA
Input - digital mode	• For free potential contacts (dry contacts) • Max. length of Connecting Cables ≤ 30 m (twisted cable)
Input - analog mode for temperature probe	For NTC temperature probe eelectron code: • TS01A01ACC (range from -20°C to +100°C) • TS01B01ACC (range from -50°C to +60°C) • TS01D01ACC (range from -40°C to 125°C) • Max. length of Connecting Cable: ≤ 30 m (twisted cable)
Output rate - triac	• 24 ÷ 230 V AC 50/60 Hz

Order Codes

HA04A01KNX
Module for Electrothermal Valves
4 Inputs / 4 Outputs

Module for Electrothermal Valves

8 IN / 8 OUT



The HA08A01KNX device is a EIB/KNX DIN rail actuators for electrothermal valves with 8 Triac outputs at 24 ÷ 230 V AC; the devices include 8 inputs for dry (potential-free) contacts. The outputs can be configured as:

- 8 channels for valve control in ON / OFF or PWM
- 4 channels for 3-points valve control

Inputs can be connected to buttons or switches (potential-free) and can be used for on / off commands, dimming, shutters or blinds / scenarios, sequences, step commands, etc. Inputs from 1 to 4 can be configured as outputs to activate single signaling LEDs (see eelectron LEDs code LD00A01ACC / LD00A11ACC) or can be configured as analogue inputs for the connection of NTC temperature probes (see eelectron probes code TS00A01ACC / TS00B01ACC) with which to send 4 temperature measurements on the bus or to manage 4 complete thermostat modules.
Each thermostat module manages 2 stages with an integrated PI controller for controlling heating and cooling equipment, valves, 2 and 4 pipe fan coils, etc. Additional 4 thermostat modules are available in the device for a total of 8. Moreover, 8 logic blocks are available to implement simple expressions with logical/threshold operator or complex expressions with algebraic and conditional operators; It's possible to use predefined algorithms as proportional controls of temperature and humidity or dew point calculation.
Device is equipped with KNX communication interface and is intended for installation on DIN rail in LV distribution cabinets.

Technical Features

Mechanical data	• Dimensions: 4 DIN Modules
Supply	• Via EIB/KNX bus cable: 21 ÷ 32 V DC • Max 15 mA
Input - digital mode	• For free potential contacts (dry contacts) • Max. length of Connecting Cables ≤ 30 m (twisted cable)
Input - analog mode for temperature probe	For NTC temperature probe eelectron code: • TS01A01ACC (range from -20°C to +100°C) • TS01B01ACC (range from -50°C to +60°C) • TS01D01ACC (range from -40°C to 125°C) • Max. length of Connecting Cable: ≤ 30 m (twisted cable)
Output rate - triac	• 24 ÷ 230 V AC 50/60 Hz

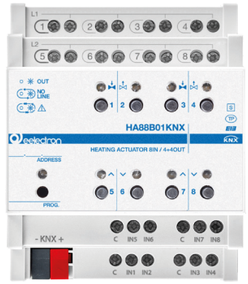
Order Codes

HA08A01KNX
Module for Electrothermal Valves
8 Inputs / 8 Outputs

CLIMATECONTROL

Valves/Loads Actuator

8 IN / 4 + 4 OUT



The HA88B01KNX device is EIB/KNX DIN rail actuator with 16A - 230 V AC relay outputs; the device also include inputs for dry contacts (potential-free).
The outputs can be configured as:
- 4 outputs for light / load control
- 8 (4) channels for valve control in ON / OFF or PWM
- 4 (2) channels for 3-points valve control
- 1 fan coil actuators 2-pipes with 3 speeds
- 1 fan coil actuators 4-pipes with 3 speeds

Inputs from 1 to 4 can be configured as outputs to activate single signaling LEDs (see eelectron LEDs code LD00A01ACC / LD00A11ACC) or can be configured as analogue inputs for the connection of NTC temperature probes (see eelectron probes code TS00A01ACC / TS00B01ACC) with which to send 4 temperature measurements on the bus or to manage 4 complete thermostat modules.
Each thermostat module manages 2 stages with an integrated PI controller for controlling heating and cooling equipment, valves, 2 and 4 pipe fan coils, etc. Additional 4 thermostat modules are available in the device for a total of 8. Moreover, 4 logic blocks are available to implement simple expressions with logical/threshold operator or complex expressions with algebraic and conditional operators; It's possible to use predefined algorithms as proportional controls of temperature and humidity or dew point calculation. Device is equipped with KNX communication interface and is intended for installation on DIN rail in LV distribution cabinets.

Technical Features

Mechanical data	• Dimensions: 4 DIN modules
Supply	• Via EIB/KNX bus cable: 21 ÷ 32 V DC • Max 15 mA
Input - digital mode	• For free potential contacts (dry contacts) • Max. length of Connecting Cables ≤ 30 m (twisted cable)
Input - analog mode for temperature probe	For NTC temperature probe eelectron code: • TS01A01ACC (range from -20°C to +100°C) • TS01B01ACC (range from -50°C to +60°C) • TS01D01ACC (range from -40°C to 125°C) • Max. length of Connecting Cable: ≤ 30 m (twisted cable)
Output rate - triac	• 24 ÷ 230 V AC 50/60 Hz
Output rate - relay	• 16A cos φ 1 - 230 V AC • 8 A cos φ 0.6 - 230 V AC • Max current relay output: 16A/16AX (140 µF) • Max peak current: 165 A / 20 ms • Incandescent lamps: max 10 A • Motors e motor reduction units: max 10 A • Fluorescent lamps (max 140 µF) max 3A (700 W) • Electronic ballast: max 6A • LED's lamps drivers: always check that the maximum peak current drawn by led power supply is lower than maximum peak current allowed for the relay

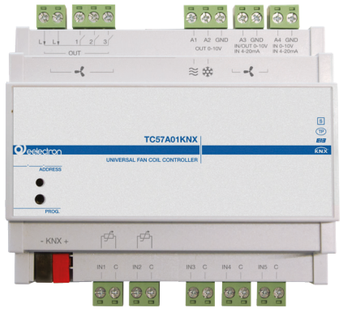
Order Codes

HA88B01KNX
Valves / Loads Actuator
8 IN / 4 + 4 OUT

Fan coil Controller

UNIVERSAL FAN COIL CONTROLLER
3 X 0-10 V | 5 IN - 3 OUT

The TC57A01KNX device is a DIN rail EIB / KNX actuator for fan coil control with 3 x 0-10 V outputs and 3x16A relays. Two 0-10 V outputs are dedicated to proportional valves, variable fan speeds can be controlled with a third 0-10 V output or with 3 relays on board. If the 3 relays are not used for speeds, they can switch lights or other loads. An analogue input is also available for reading 0-10 V or 4-20 mA signals in order to interface temperature, humidity or CO_2 probes; the third 0-10 V output can also be configured as analog input. Five digital inputs are available for dry contact reading for the connection of buttons, window contacts, alarms; Two inputs can be connected to NTC temperature probes (eelectron codes TS00A01ACC and TS00B01ACC).
The internal logic can manage a 2-4 tube fan coil with an internal 2-stage PI algorithm. A sophisticated parameterization allows its use in modern systems that require a differentiation of the behaviour between speed and valves (independent regulation differentials), ventilation to avoid air stratification, logics for efficient maintenance of comfort and energy saving.



Technical Features

Mechanical data	• Dimensions: 6 DIN modules
Supply	• Via EIB/KNX bus cable: 21 ÷ 32V DC • Max 20 mA
Input - digital mode	• For free potential contacts (dry contacts) • Max. length of Connecting Cables ≤ 30 m (twisted cable)
Input - analog mode for temperature probe	For NTC temperature probe eelectron code: • TS01A01ACC (range from -20°C to +100°C) • TS01B01ACC (range from -50°C to +60°C) • TS01D01ACC (range from -40°C to 125°C) • Max. length of Connecting Cable: ≤ 30m (twisted cable)
Input - analog mode for general purpose	• 0 - 10 V / 4 - 20 mA
Output rate - relay	• 16A cos φ 1 - 230V AC • 8 A cos φ 0.6 - 230V AC • Resistive load: max 16A • Incandescent lamps: max 8 A • Fluorescent lamps (max 140 µF) max 3 A (700 W)
Output rate - analog mode for general purpose	• 0 - 10 V, max 2.5 mA

Order Codes

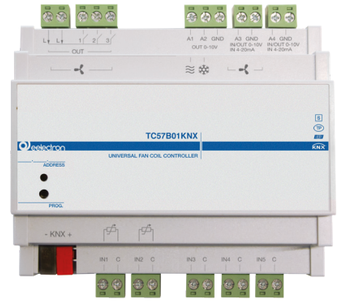
TC57A01KNX
Universal fan coil Controller
3 X 0-10 V | 5 IN - 3 OUT

CLIMATECONTROL

Fan coil Controller Plus

UNIVERSAL FAN COIL CONTROLLER
4 X 0-10 V | 5 IN - 3 OUT

The TC57B01KNX device is a DIN rail EIB / KNX actuator for fan coil control with 4 x 0-10 V outputs and 3x16A relays. Two 0-10 V outputs are dedicated to proportional valves, variable fan speeds can be controlled with a third 0-10 V output or with 3 relays on board. If the 3 relays are not used for speeds, they can switch lights or other loads. An analogue input (IN 5) is also available for reading 0-10 V or 4-20 mA signals in order to interface temperature, humidity or CO_2 probes; the fourth 0-10 V output can also be configured as analog input. Five digital inputs are available for dry contact reading for the connection of buttons, window contacts, alarms; Two inputs can be connected to NTC temperature probes (eelectron codes TS00A01ACC and TS00B01ACC).
The internal logic can manage a 2-4 tube fan coil with an internal 2-stage PI algorithm. A sophisticated parameterization allows its use in modern systems that require a differentiation of the behaviour between speed and valves (independent regulation differentials), ventilation to avoid air stratification, logics for efficient maintenance of comfort and energy saving.



Technical Features

Mechanical data	• Dimensions: 6 DIN modules
Supply	• Via EIB/KNX bus cable: 21 ÷ 32V DC • Max 20 mA
Input - digital mode	• For free potential contacts (dry contacts) • Max. length of Connecting Cables ≤ 30 m (twisted cable)
Input - analog mode for temperature probe	For NTC temperature probe eelectron code: • TS01A01ACC (range from -20°C to +100°C) • TS01B01ACC (range from -50°C to +60°C) • TS01D01ACC (range from -40°C to 125°C) • Max. length of Connecting Cable: ≤ 30m (twisted cable)
Input - analog mode for general purpose	• 0 - 10 V / 4 - 20 mA
Output rate - relay	• 16A cos φ 1 - 230V AC • 8 A cos φ 0.6 - 230V AC • Resistive load: max 16A • Incandescent lamps: max 8 A • Fluorescent lamps (max 140 µF) max 3 A (700 W)
Output rate - analog mode for general purpose	• 0 - 10 V, max 2.5 mA

Order Codes

TC57B01KNX
Universal fan coil Controller Plus
4 X 0-10 V | 5 IN - 3 OUT

Fan coil Controller

UNIVERSAL FAN COIL CONTROLLER
3 X 0-10 V | 2 IN - 5 OUT COMPENSATION CURVE



The TC28A01KNX device is an EIB/KNX® secure DIN rail actuator for controlling fan coil units. The device features 3 x 0-10 V outputs and 5 x 16 A relays, all freely configurable. In a typical application, two 0-10 V outputs can be dedicated to the management of proportional valves, while speed management can be achieved via the third 0-10 V output or with the on-board relays. If the relays are not used for speed or valve control, they can activate lights or other loads. Additionally, there are 2 digital inputs for dry contact, for connecting push buttons, window contacts, or alarms. These 2 inputs can also be configured as analog inputs for connecting NTC temperature probes (Eelectron codes TS01A01ACC, TS01B01ACC, TS01C01ACC and TS01D01ACC). The first input is alternatively configurable as a “Plug-in Sensor” for connecting SM03E03ACC Plug-in sensors, which include a temperature, humidity, CO_2, and VOC sensor, or SM03E02ACC, which includes a temperature, VOC, and equivalent CO2 (eCO_2) sensor. The device integrates 2 two-stage thermostats with an integrated PI controller for driving heating, cooling, valve, 6-way valve, 2-pipe, and 4-pipe fan coil equipment. The “Compensation curve” function is also available, which allows the supply temperature of the heating system to be adjusted based on external conditions, optimizing comfort and reducing energy consumption. The device features 8 logic blocks that can be used to create simple expressions with logical or threshold operators, or complex expressions with conditional algebraic operators, and to use predefined algorithms such as proportional temperature and humidity controls or dew point calculation. The device integrates the “Virtual Holder Logic”, designed for hospitality applications, which enables advanced and reliable management of occupancy information within the room. The logic is based on acquiring the status of a magnetic contact installed on the door and connected to a digital input, combined with the processing of data from one or more presence sensors. The combination of this information allows the system to consistently infer the actual occupancy of the environment, detect unexpected presences, and distinguish between different occupant behaviors, ensuring more accurate management of occupancy states.
The device is configurable via the ETS® application program and can communicate using the KNX Data Secure protocol. The KNX communication interface is included. The device it is intended for installation on a DIN rail in low voltage distribution electrical panels.

Technical Features

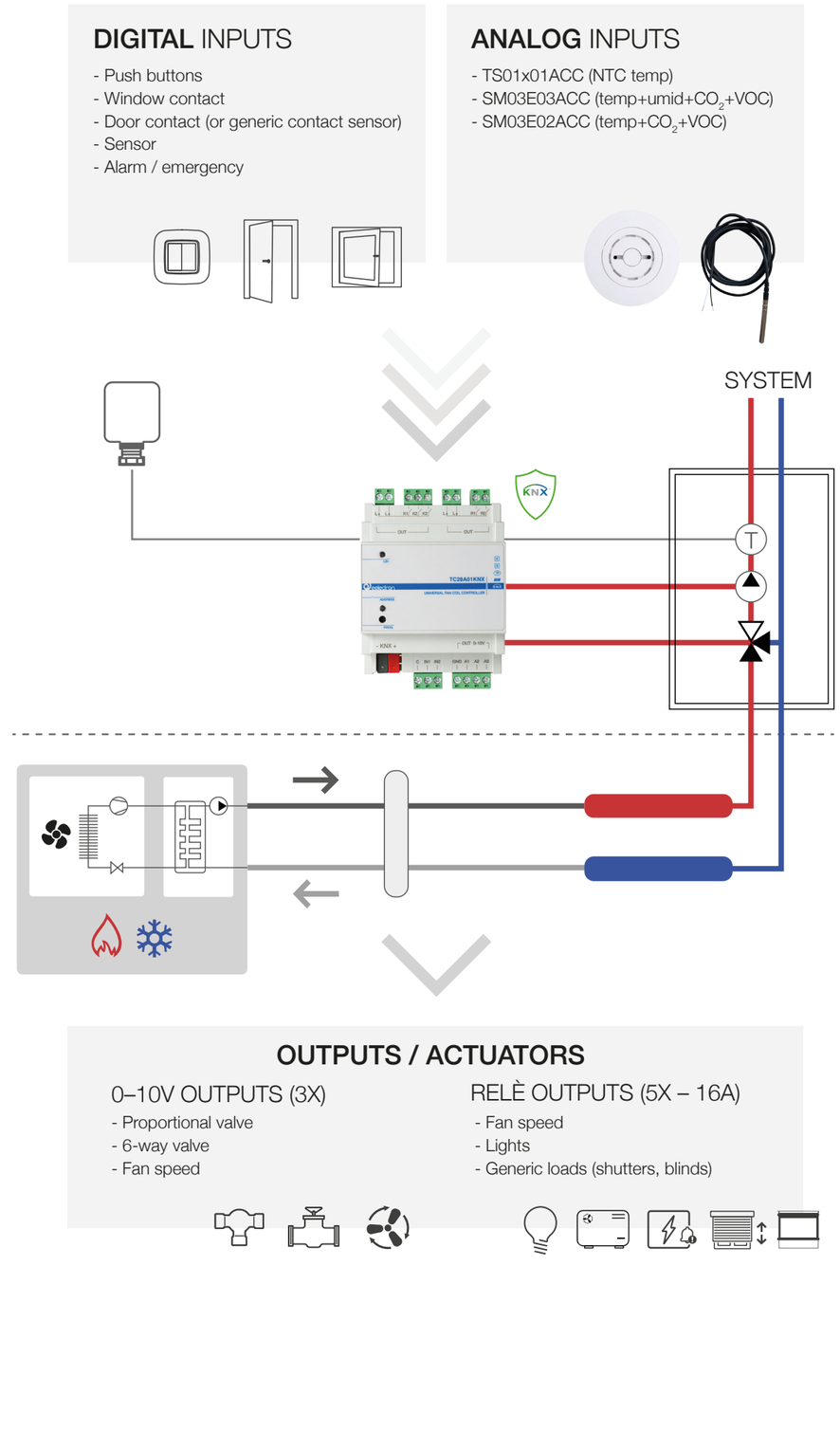
Mechanical data	• Dimensions: 4 DIN modules
Supply	• Via EIB/KNX bus cable: 21 ÷ 32 V DC • Max 30 mA
Input - digital mode	• 2 for free potential contacts (dry contacts) • Max. length of Connecting Cables ≤ 30 m (twisted cable)
Input - analog mode for temperature probe	For NTC temperature probe eelectron code: • TS01A01ACC (range from -20°C to +100°C) • TS01B01ACC (range from -50°C to +60°C) • TS01C01ACC (range from -40 °C to +105 °C) • TS01D01ACC (range from -40°C to 125°C) • Max. length of Connecting Cable: ≤ 30m (twisted cable)
Output rate - relay	• 16A cos φ 1 - 230 V AC • Incandescent lamps: max 8 A • Fluorescent lamps max 3 A (700 W)
Output rate	• 0 - 10 V DC

Order Codes

TC28A01KNX
Universal fan coil Controller
3 X 0-10 V | 2 IN - 5 OUT
Compensation Curve

CLIMATECONTROL

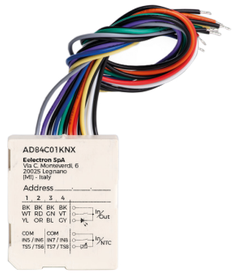
Example to application



Analog/Digital Interface

ANALOG / DIGITAL MODULE 8 INPUT
4 LED OUTPUT - 4 THERMOSTATS

AD84C01KNX module includes 4 digital inputs to interface dry contacts and 4 analog or digital inputs for dry contacts or temperature sensors and 4 LED outputs. Digital inputs can interface sensors, traditional buttons, etc; 4 low voltage/current outputs can drive LED for synoptics panels or switches. Inputs 5 ÷ 8, set as analog inputs, can enable up to 4 temperature probes (with On/Off threshold) or 4 thermostats to control heating and cooling equipments, valves, 2 and 4 pipes fan coils; etc. Device is equipped with KNX communication interface.



Technical Features

Mechanical data	• Dimensions: (H x W x D) : 43 x 36 x 24 mm
Mounting	• Inwall
Supply	• Via EIB/KNX bus cable: 21 ÷ 32 V DC • Max 10 mA
Input - digital mode	• For free potential contacts (dry contacts) • Max. length of Connecting Cables ≤ 30 m (twisted cable)
Input - analog mode for temperature probe	For NTC temperature probe eelectron code: • TS01A01ACC (range from -20°C to +100°C) • TS01B01ACC (range from -50°C to +60°C) • TS01D01ACC (range from -40°C to 125°C) • Max. length of Connecting Cable: ≤ 30 m (twisted cable)
Output rate - LED	For LED use Eelectron LED code: • LD00A01ACC / LD00A11ACC) 0.5 mA / 3.3V

Order Codes

AD84C01KNX
Analog / Digital interface 8 IN - 4 LED OUT

Push Button Interface

2 IN - 2 OUT LED / 4 IN - 4 OUT LED / 6 IN - 2 OUT LED









The IOxxD02KNX(-S) products are devices for interfacing dry contacts via digital inputs and have outputs to drive LEDs. Digital inputs can interface sensors, traditional buttons, etc; the low voltage output channels can drive LEDs for displaying states of synoptic panels or conventional switches.
Device IO44D02KNX-S integrates with the KNX Data Secure communication protocol. The devices have extremely compact size (only 34 x 34 x 11 mm) and can also be used in installations where the inwall space available is reduced.

The following functions are available for each input channel:

- Commands for opening/closing contact, short/long closure, and multiple closure options
- Control of shutters and blinds - scenes - dimming
- Scenes control
- 3 command sequences over short/long closure - toggle
- Step-by-step on/off 1 bit combinations on 2 or 3 objects
- Pulse counter on rising and/or falling edge
- RGB - MUR/DND - Loop value commands
- Enable/disable object

Moreover, 16 logic blocks are available to implement simple expressions with logical or threshold operator or complex expressions with algebraic and conditional operators; It is possible to use predefined algorithms as proportional controls of temperature and humidity or dew point calculation. The devices also integrate the “Virtual Holder Logic”; the field of application is the hotel room: through a magnetic sensor installed on the door and connected to a digital input, accurate presence information is managed. The presence detection solution can deduce the presence of people in the room using one or more dedicated sensors. It also detects an unexpected presence and is able to differentiate different behaviours.
The devices can be configured via the ETS® application program and the KNX communication interface is included.



Technical Features

Mechanical data	• Dimensions: (H x W x D) : 34 x 34 x 11 mm
Mounting	• Inwall
Supply	• Via EIB/KNX bus cable: 21 ÷ 31V DC • Max ≤ 5 mA
Input - digital mode	• For free potential contacts (dry contacts) • Max. length of Connecting Cables 10 m (twisted cable)
Output rate - LED	Current for single LED 0.5mA Voltage for single LED 3.3V For LED use Eelectron LED code: • LD00A01ACC / LD00A11ACC 0.5 mA / 3.3V

Order Codes

IO22D02KNX
Push Button interface 2 IN - 2 OUT LED

IO44D02KNX
Push Button interface 4 IN - 4 OUT LED

IO44D02KNX-S
Push Button interface 4 IN - 4 OUT LED

IO62D02KNX
Push Button interface 6 IN - 2 OUT LED

IOxxD01ACC
Accessory - DIN rail mounting
for push button interfaces IOXXD01KNX
Pack of 4

Gateway KNX BACnet

Product with ETS application expressly designed for projects with KNX-TP devices (and DALI via the appropriate gateway) that require an additional connection to the supervision and/or BACnet IP devices (Client) with the possibility of bidirectional data exchange.

The ETS application allows BACnet objects with CoV or ReadyProperty etc. functionality to be configured as required and in a simplified form. For example, it can quickly connect a BACnet object whose 'instance number' is identical to the object number in ETS. Diagnostic functions supporting supervisory management are also implemented. Off/on objects are translated as binary, while others become analogue objects (Input, Output, Value).

A total of 250 objects are available / selectable for configuration, a size that meets the needs of small or zone-managed installations or when supervision requires some of the data managed by field automation via KNX. The ETS application is flanked by a Web Server to display the configuration and status of the objects, which allows direct verification and testing of the configuration and commissioning.
Finally, the device has implemented a KNX IP interface so that it can be used during ETS programming.

It has a pluggable terminal block for 24V AC/DC power supply connection KNX connection with bus terminal and RJ45 connector for Ethernet connection. DIN 4 rail mounting.



Technical Features

Mechanical data	• Dimensions: 5 DIN modules
Supply	• Via EIB/KNX bus cable: 21 ÷ 32 V DC • Max 5 mA • Auxiliary supply: 24 V DC max 40mA
Standard technologies	• KNX • BACnet
Connection mode:	• 1xTunnel/1xObject Server
User interface	• Web
BACnet Object	• 250

Order Codes

IC01E01BAC
KNX BACnet Gateway

GATEWAYS

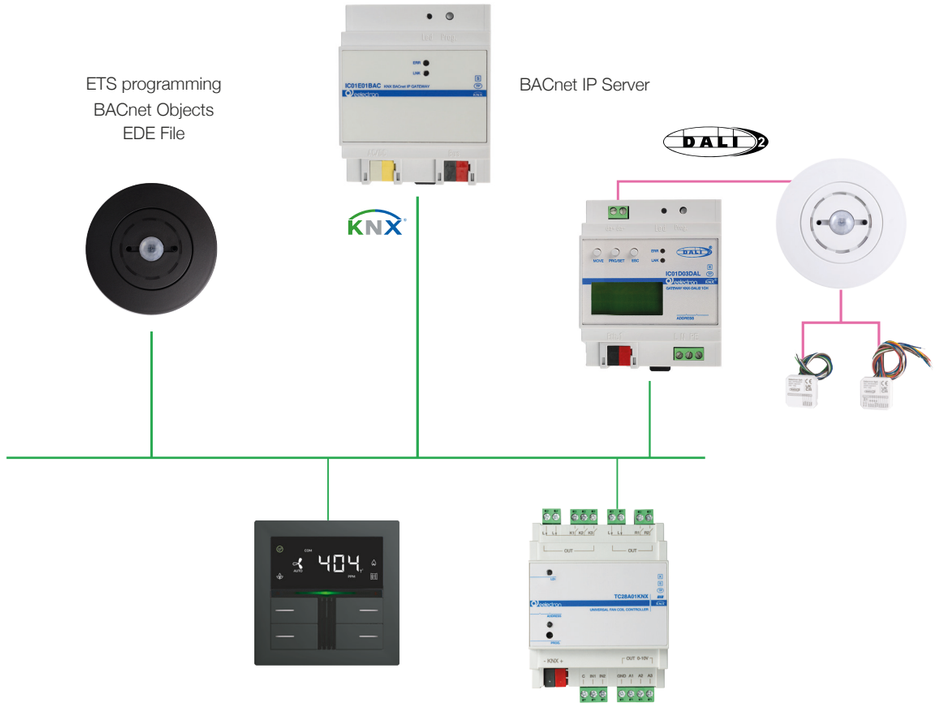
Gateway KNX BACnet layout



BACnet Client
(ex. BEMS/BACS)

Read, Write, Subscription

Response, Notification



DMX Gateway

KNX - DMX

Interface between KNX bus and DMX512 bus. Combines devices for building automation with control devices dedicated to lighting and special effects. One-way gateway that receives telegrams from the KNX bus and data bus to DMX512. Scenarios of all 512 channels can be configured and managed with KNX group addresses.



Technical Features

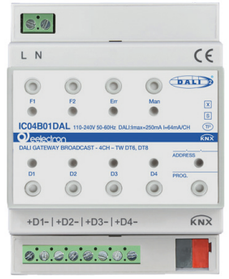
Mechanical data	• Dimensions: 6 DIN modules
Supply	• Via EIB/KNX bus cable: 21 ÷ 32 V DC • Auxiliary supply: 9-30 V DC, 100 mA, separated
Output	• DMX / RS485 bus

Order Codes

IC00B01DMX
KNX - DMX 512 Interface

KNX DALI
Gateway Broadcast

KNX - DALI - TUNABLE WHITE DT6, DT8 - 4 CH



The IC04B01DAL DALI Gateway is a 4-channel single-master controller for controlling electronic ballasts with a DALI® interface via the KNX® installation bus.

It supports ballasts according to IEC 62386-102 ed1 (DALI1) as well as devices according to IEC 62386-102 ed2 (DALI2). The device converts switching and dimming commands from the connected KNX system into corresponding DALI telegrams, or status and event information from the DALI bus into KNX telegrams. The IC04B01DAL has four DALI outputs. Up to 32 ECGs can be connected to each output.

The ECGs connected to a channel are controlled simultaneously via broadcast telegrams. The power supply required for the connected ECGs comes directly from the device. Additional DALI power supplies are not required. The device is available in a 4TE wide DIN-rail housing for direct installation in an electrical distribution board. The bus connection is made via a bus terminal. Mains and DALI cables are connected via screw terminals on the device. The KNX communication interface is included.

Technical Features

Mechanical data	• Dimensions: 4 modules DIN
Supply	Power supply • Operating voltage 100 to 240 V, 50 to 60 Hz AC or DC • Maximum power consumption 8 W Bus KNX • Bus voltage via KNX bus line SELV 24 V, approx. 5 mA Bus DALI • DALI voltage: typically 18 VDC, short-circuit-proof max. 250 mA, basic insulation (no SELV) • Recommended wire cross-section: min. 1.5 mm² • Guaranteed supply current: 64 mA Maximum supply current: 250 mA
DALI	• Number of outputs: 4x DALI outputs • Output type: Single-master controller in accordance with EN 62386-103 ed 2 • Number of ballasts: max. 32 ECGs in accordance with IEC 62386-101 ed1 and ed 2 per channel, 128 ECGs in total • Shutdown delay: 600 ms after DALI short circuit shutdown occurs • Start-up attempt after shutdown: 5 s after short-circuit detection

Order Codes

IC04B01DAL
KNX DALI Gateway Broadcast
4 channels – Tunable White DT6, DT8

KNX DALI Gateway

KNX - DALI - TUNABLE WHITE - 2 CHANNELS



The DALI Gateway is an interface between a KNX installation and a DALI lighting system (Digital Addressable Lighting Interface).

The DALI Gateway allows the switching and dimming of a maximum of 64 lights with a DALI operating device (e.g. electronic ballast). Up to 6 different addressing types of the DALI Gateway allow group orientated and individually-address control of DALI lights via KNX telegrams. This allows the integration of room-specific light controls, for example, of open-plan offices, multipurpose spaces, production facilities, training and conference rooms into the higher-level of KNX building management.

Depending on the configuration, up to 32 independent DALI groups are available for group addressing. For alternative control, these can be supplemented with 64 individually-addressable DALI device channels, as necessary. Optionally, master control of all connected DALI components is possible (broadcast).

This means that there is no need to commission DALI, the lighting systems with few functions can be started up quickly and easily (simplified configuration without DALI commissioning).
The DALI Gateway is supplied completely via the mains voltage connection and makes the DALI system voltage (typically 16V DC) available. The device is designed for mounting on DIN rails.

Technical Features

Mechanical data	• Dimensions: 4 DIN modules
Supply	Power supply • Operating voltage 100 to 240 V, 50 to 60Hz AC or DC • Maximum power consumption 9 W Bus KNX • Bus power supply via KNX bus line SELV 24 V, ca. 5 mA Bus DALI • DALI voltage: typic. 18 V DC, short-circuit proof max.250 mA, basic insulation (no SELV) • Recommended wire cross-section: min. 1.5 mm² • Guaranteed supply current: 160 mA Maximum supply current: 250 mA
DALI	• Number of outputs: 2 DALI output • Output type: Single-Master Application Controller according to EN 62386-103 ed 2 • Number of ballasts: max. 64 ECGs (x2) according to EN 62386-101 ed1And ed 2 DALI voltage: typic. 18 V DC, short-circuit proof max.250 mA, basic insulation (no SELV) • Shutdown delay: 600 ms after DALI short circuit shutdown occurs • Start-up attempt after shutdown: 5 s after short-circuit detection

Order Codes

IC02D01DAL
KNX DALI Gateway - 2 Channel
Tunable White DT6, DT8

KNX DALI Gateway

KNX - DALI - TUNABLE WHITE - 1 CHANNELS



The DALI Gateway IC01D01DAL is a single master application controller for controlling electronic ballasts with DALI interface (in accordance with EN 62386) via the KNX installation bus.

The device transforms switch and dim commands from the connected KNX system into DALI telegrams and status information from the DALI bus into KNX telegrams. The IC01D01DAL is equipped with one DALI output and 64 ECGs can be controlled, individually or in up to 16 DALI groups.

Technical Features

Mechanical data	• Dimensions: 4 modules DIN
Supply	Power supply • Operating voltage 100 to 240 V, 50 to 60Hz AC or DC • Maximum power consumption 9 W Bus KNX • Bus power supply via KNX bus line SELV 24V, ca. 5 mA Bus DALI • DALI voltage: typic. 18 V DC, short-circuit proof max.250 mA, basic insulation (no SELV) • Recommended wire cross-section: min. 1.5 mm² • Guaranteed supply current: 160 mA Maximum supply current: 250 mA
DALI	• Number of outputs: 1 DALI output • Output type: Single-Master Application Controller according to EN 62386-103 ed 2 • Number of ballasts: max. 64 ECGs according to EN 62386-101 ed1And ed 2 DALI voltage: typic. 18 V DC, short-circuit proof max.250 mA, basic insulation (no SELV) • Shutdown delay: 600 ms after DALI short circuit shutdown occurs • Start-up attempt after shutdown: 5 s after short-circuit detection

Order Codes

IC01D01DAL
KNX DALI Gateway - 1 Channel
Tunable White DT6, DT8

KNX **DALI** Gateway

KNX - DALI-2 - MULTI MASTER APPLICATION CONTROLLER - 1 CHANNEL

The IC01D03DAL Gateway is a multi master application controller for controlling electronic ballasts with DALI interface via the KNX installation bus. It supports ballasts according to EN 62386-102 ed1 (DALI), devices according to EN 62386-102 ed2 (DALI-2), as well as DALI-2 motion sensors and light sensors according to EN 62386-303 and EN 62386-304 and generic inputs (ie.: temperature, humidity, etc..) The device transforms switching and dimming commands from the connected KNX system into corresponding DALI telegrams, or status and event information from the DALI bus into KNX telegrams. With the DALI Gateway, it is also possible to implement constant light control directly via the connected DALI-2 sensors. With constant light control, the light value measured by the sensor is compared with the desired setpoint value and the lighting level is automatically adjusted to the setpoint value. The IC01D03DAL has a DALI output which can control up to 64 ECGs.The ECGs can be controlled in 16 groups. In addition, up to 8 DALI-2 motion detectors or light sensors can be connected, up to a maximum of 8 DALI buttons (4 channels per device) and up to 8 generic DALI inputs (physical quantities) can be integrated as per IEC 62386 standard. Multi master operation according to EN 62386-103 ed2 is permitted. The required power supply for the connected ECGs and motion sensors is provided directly from the device. Additional DALI power sup-plies are not required. When using sensors supplied via the DALI bus, it must be ensured that the current consumption of all connected DALI devices does not exceed the guaranteed value. In addition to the control of all standard operating devices, the IC01D03DAL also allows the operation of single battery emergency lights (IEC 62386-202). Emergency lighting systems with central battery are also supported. The device is available in a 4TE wide DIN rail housing for direct installation in an electrical distribution board. The bus connection is made via a standard bus connector. Mains and DALI lines are connected via screw terminals on the de-vice. Ethernet is connected via an RJ45 socket. The commissioning of the device is implemented directly on the device, via integrated web server or in the ETS5 (DCA).



MQTT

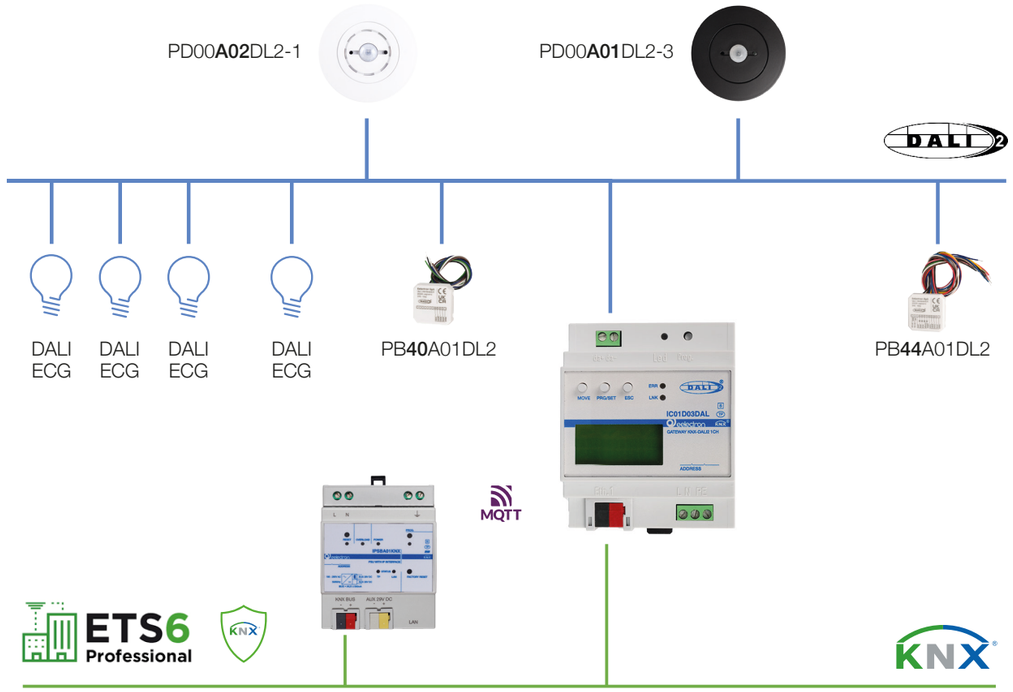
Technical Features

Mechanical data	• Dimensions: 4 DIN modules
Supply	Power supply • Operating voltage 100 to 240 V, 50 to 60Hz AC or DC • Maximum power consumption 8 W Bus KNX • Bus power supply via KNX bus line SELV 24V, ca. 5 mA Bus DALI • DALI voltage: typic. 18 V DC, short-circuit proof max.250 mA, basic insulation (no SELV) • Recommended wire cross-section: min. 1.5 mm² • Guaranteed supply current: 160 mA Maximum supply current: 250 mA
Connectors	• Mains connector L N PE: Screw connector 3x 1- 2.5 mm² single or threaded core • Screw connector 2x 1-2.5 mm² single or threaded core • Bus line: Bus connector KNX, screwless 0.6…0.8 mm, single core • Ethernet Eth 1: RJ-45 plug connector for standard patch cables

Order Codes

IC01D03DAL
KNX DALI gateway - 1 channel
multi master application controller, MQTT

KNX DALI Gateway **architecture**



KNX Modbus RTU Gateway



IC00M01KNX is a bidirectional KNX/Modbus gateway with 250 freely configurable channels (KNX data points). For each channel, alarm information and data processing operations are also available. This device allows the integration of Modbus devices that support the RTU protocol via RS485 into KNX installations. It can operate as both Modbus client and server.

Moreover, 50 logic blocks are available to implement simple expressions with logical or threshold operator or complex expressions with algebraic and conditional operators; It is possible to use predefined algorithms as proportional controls of temperature and humidity or dew point calculation.

The device also integrates the “Virtual Holder Logic”; the field of application is the hotel room: through a magnetic sensor installed on the door and connected to a digital input, accurate presence information is managed. The presence detection solution can deduce the presence of people in the room using one or more dedicated sensors. It also detects an unexpected presence and can differentiate between different behaviours.

The device can be configured via the ETS application program and can communicate with the KNX Data Secure protocol.

The KNX communication interface is included.

Technical Features

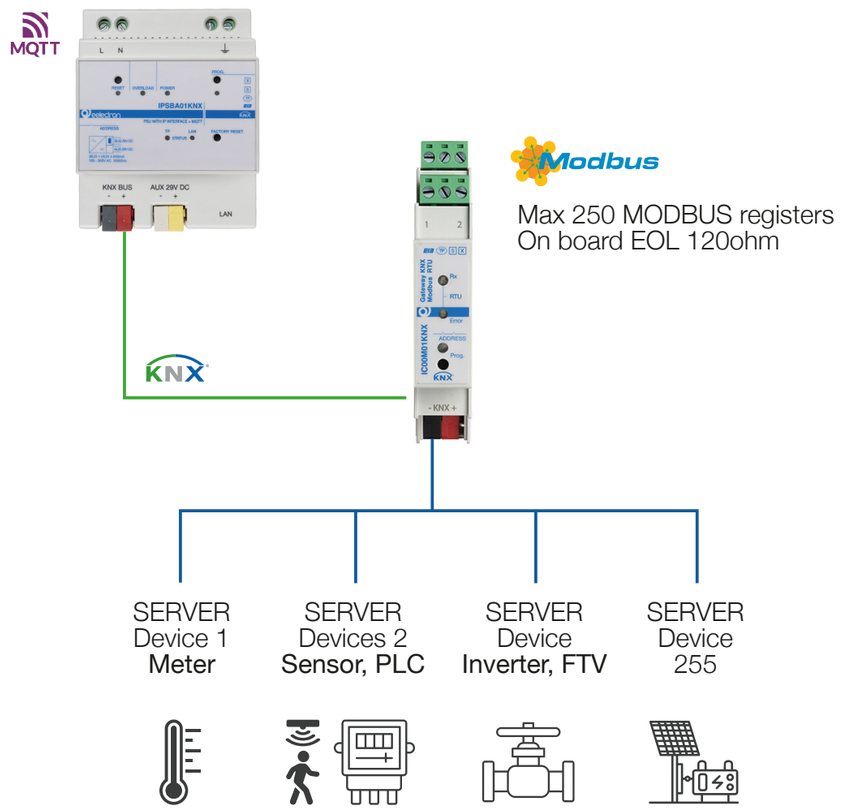
Mechanical data	• Dimensions: 1 DIN modules
Supply	• Via EIB/KNX bus cable: 21 ÷ 32 V DC • Max 15 mA

Order Codes

IC00M01KNX
KNX-Modbus Gateway

GATEWAYS

KNX Modbus Gateway architecture



(Client/Server naming is replacing Master/Slave)

DALI BUS Repeater

The DALI® repeater LR00A01DAL is designed as a 3-unit module for DIN rail and features an interface with 4 diagnostic LEDs for intuitive and simplified monitoring. This device, in fact, allows extending the maximum DALI bus length from 300 to 600 meters, also providing an extra 250 mA of current to support more devices.

The repeater does not increase the number of available DALI addresses: the limit of 64 addresses for control devices (like LED drivers or relays) and 64 for input devices (like sensors or buttons) remains unchanged.

For installation, the main DALI network, usually connected to the controller, should be connected to the “IN” side of the repeater. The network extension, on the other hand, must be connected to the “OUT” side. Unlike the “IN” side, which is powered directly by the master DALI bus, the “OUT” side provides current thanks to the repeater’s external power supply, which requires a voltage of 100÷240 V~ AC.

Finally, it is possible to connect multiple repeaters in parallel on the “IN” side, but series (cascaded) connection is not allowed, as this would cause propagation delays and communication errors. This device consumes less than 2 mA on the “IN” side but guarantees 230 mA of DALI current on the “OUT” side.



Technical Features

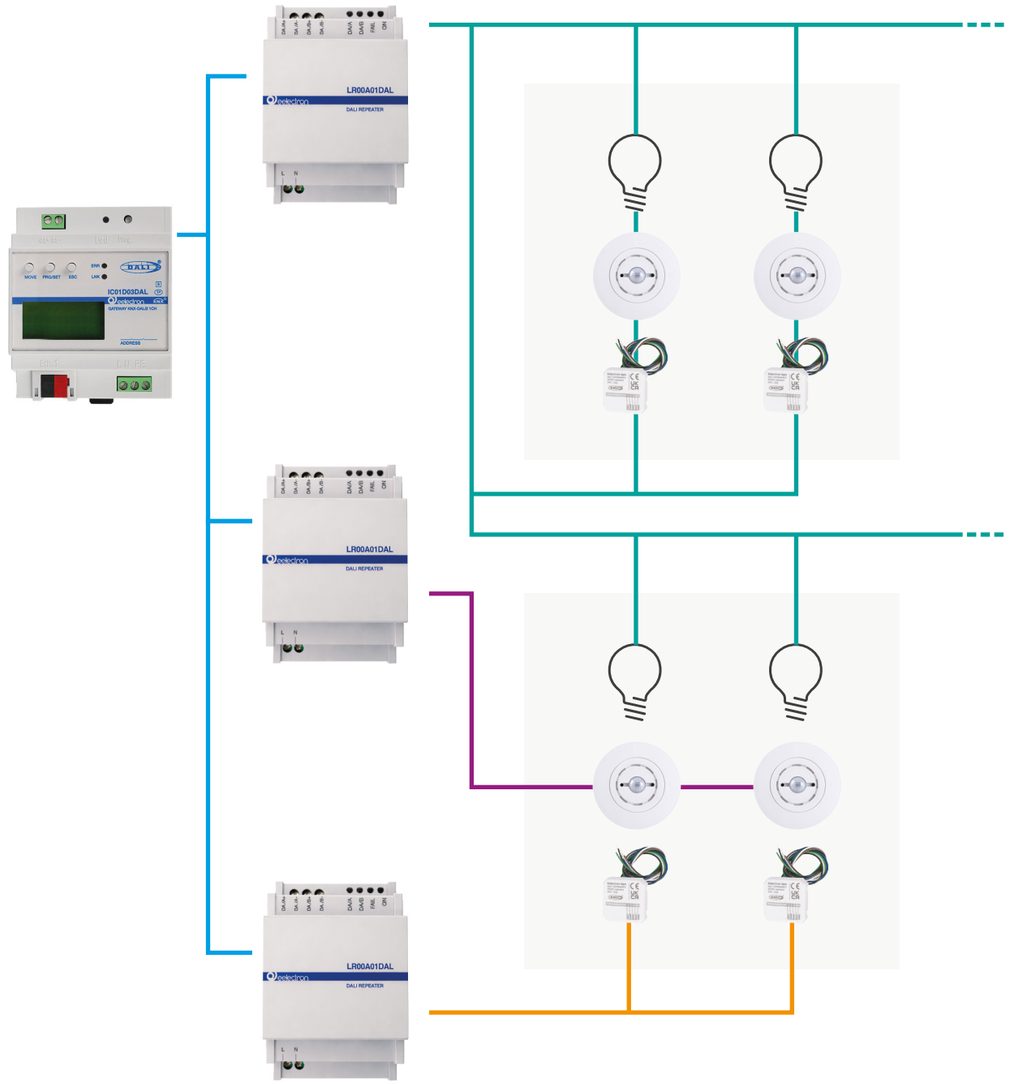
Mechanical data	• Dimensions: 3 DIN modules
Supply	Power supply • Input voltage range: 100 ÷ 240 V • Input supply frequency: 50 ÷ 60 Hz • Maximum power consumption 5 W Bus DALI • DALI voltage: 15 V • Guaranteed DALI supply current: 230 mA • Max. DALI supply current: 250 mA

Order Codes

LR00A01DAL
DALI BUS Repeater

GATEWAYS

Example of application



DALI-2 Presence Detector Standard

The DALI-2 STANDARD presence sensor includes a light sensor for controlling ambient lighting and a rear connector with 3 digital inputs that can be connected to pushbuttons, suitable for mounting up to 4 m high.

The following push-button states are managed
- button released, button pressed
- short press, double press
- long-press start
- repeat at long press
- long-press stop
- button released, button locked

NOTE:

The sensor detects the difference between ambient temperature and temperature of moving objects and people; the lower this temperature difference will be, the less sensitive the sensor will be.

To ensure correct coverage of the sensor surveillance area, prevent walls (even glass) or furniture from being an obstacle; if this is not possible increase the number of sensors in the area in order to have a complete coverage.

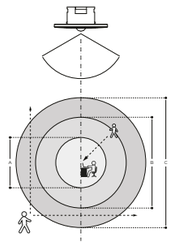
Always mount the sensor on a stable surface, not subject to vibrations or oscillations that can simulate movement.

Lighting devices placed near the sensor or in the monitored area can cause false readings, avoid this interference as much as possible.

In the coverage area avoid appliances that produce heat such as fan coils, printers, lamps, etc. or objects that can move due to wind or air currents.

Avoid direct sunlight or artificial light radiating the sensor directly.





BASIC - STANDARD - MULTI - SPACE

h	A	B	C
2.5 m	3.8 m	7.0 m	10.0 m
3.0 m	4.0 m	8.0 m	12.0 m
3.5 m	5.0 m	9.0 m	13.0 m
4.0 m	6.0 m	11.0 m	14.0 m

A | Person working at a desk
B | Person moving towards the sensor
C | Person moving sideways relative to the sensor

Technical Features

Mechanical data	• Dimensions (diameter x height): 81x37 mm
Supply	• Via bus cable 9.5 ÷ 22.4V DC • Max 10 mA
Connections	• Cabled connector 6 poles with AWG 26 wires L. 100 mm
Input - digital mode	• For free potential contacts (dry contacts) • Max. length of Cables (twisted): ≤ 10 m • Voltage Scanning: 3.3V DC
Lighting sensor	• Range: 50 ÷ 20000 LUX
Electrical Safety	• Degree of protection: IP20 (EN 60529) • Bus: safety extra low voltage 9.5 ÷ 22.4V DC • Reference standards: EN IEC 63044-3

Order Codes

PD00A01DL2-1
DALI-2 presence detector standard with lighting control - White

PD00A01DL2-3
DALI-2 presence detector standard with lighting control - Black

PD00E00ACC
Surface mounting enclosure - White

PD00E00ACC-3
Surface mounting enclosure - Black

PD00E01ACC
Box mounting frame

PD00E03ACC
Swiss wallbox mounting accessory - White

PD00E03ACC-3
Swiss wallbox mounting accessory - Black

PD00E06ACC-10
10 m Cable for outputs

PD00E08ACC
Cable clamp accessory

DALI-2

DALI-2 Multi Sensor Presence Detector

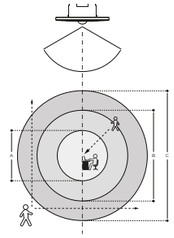
The MULTI SENSOR DALI-2 presence sensor includes a brightness sensor for controlling ambient lighting, humidity and temperature sensors with their control algorithms, and a sound sensor that can be used in rooms with parts not fully visible to the infrared sensor. It also includes a rear connector with 3 digital inputs that can be connected to pushbuttons, suitable for mounting up to 4 m high.

The following push-button states are managed
- button released, button pressed
- short press, double press
- long-press start
- repeat at long press
- long-press stop
- button released, button locked

NOTE:

The sensor detects the difference between ambient temperature and temperature of moving objects and people; the lower this temperature difference will be, the less sensitive the sensor will be. To ensure correct coverage of the sensor surveillance area, prevent walls (even glass) or furniture from being an obstacle; if this is not possible increase the number of sensors in the area in order to have a complete coverage. Always mount the sensor on a stable surface, not subject to vibrations or oscillations that can simulate movement. Lighting devices placed near the sensor or in the monitored area can cause false readings, avoid this interference as much as possible. In the coverage area avoid appliances that produce heat such as fan coils, printers, lamps, etc. or objects that can move due to wind or air currents. Avoid direct sunlight or artificial light radiating the sensor directly.





BASIC - STANDARD - MULTI - SPACE

h	A	B	C
2.5 m	3.8 m	7.0 m	10.0 m
3.0 m	4.0 m	8.0 m	12.0 m
3.5 m	5.0 m	9.0 m	13.0 m
4.0 m	6.0 m	11.0 m	14.0 m

A | Person working at a desk
B | Person moving towards the sensor
C | Person moving sideways relative to the sensor

Technical Features

Mechanical data	• Dimensions (diameter x height): 81x37 mm
Supply	• Via bus cable 21÷ 32 V DC • Max 10 mA
Connections	• Cabled connector 6 poles with AWG 26 wires L. 100 mm
Input - digital mode	• For free potential contacts (dry contacts) • Max. length of Cables (twisted): ≤ 10 m • Voltage Scanning: 3,3V DC
Lighting sensor	• Range: 50 ÷ 20000 LUX
Temperature sensor	• Range: -5 °C + 45 °C • Resolution: 0.1°C • Tolerance typ. (max.): ± 0.2°C
Humidity sensor	• Range: 0 ÷ 100 %RH • Resolution: 0.1 %RH • Tolerance typ. (max.): ± 2 %RH (± 3 %RH)
Electrical Safety	• Degree of protection: IP20 (EN 60529) • Bus: safety extra low voltage 9,5 ÷ 22,4 V DC • Reference standards: EN IEC 63044-3

Order Codes

PD00A02DL2-1
Multisensor DALI-2 - Lighting - Temperature - Humidity - White

PD00A02DL2-3
Multisensor DALI-2 - Lighting - Temperature - Humidity - Black

PD00E00ACC
Surface mounting enclosure - White

PD00E00ACC-3
Surface mounting enclosure - Black

PD00E01ACC
Box mounting frame

SM03E03ACC
Plug-in sensor CO_2 + VOC + Temp. - White

SM03E03ACC-3
Plug-in sensor CO_2 + VOC + Temp. - Black

SM03E02ACC
Plug-in sensor VOC+ eCO_2 + Temp. - White

SM03E02ACC-3
Plug-in sensor VOC+ eCO_2 + Temp. - Black

PD00E03ACC
Swiss wallbox mounting accessory - White

PD00E03ACC-3
Swiss wallbox mounting accessory - Black

PD00E06ACC-10
10 m Cable for outputs

PD00E08ACC
Cable clamp accessory

Wall Mount DALI-2
Standard Presence Detector
WITH LIGHTING CONTROL

The DALI-2 STANDARD presence sensor includes a light sensor for controlling ambient lighting and a rear connector with 3 digital inputs that can be connected to pushbuttons, suitable for mounting up to 4 m high.

The following push-button states are managed
- button released, button pressed
- short press, double press
- long-press start
- repeat at long press
- long-press stop
- button released, button locked

NOTE:

The sensor detects the difference between ambient temperature and temperature of moving objects and people; the lower this temperature difference will be, the less sensitive the sensor will be.

To ensure correct coverage of the sensor surveillance area, prevent walls (even glass) or furniture from being an obstacle; if this is not possible increase the number of sensors in the area in order to have a complete coverage.

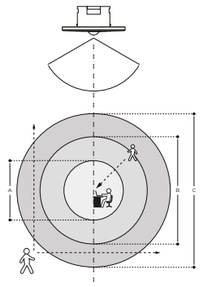
Always mount the sensor on a stable surface, not subject to vibrations or oscillations that can simulate movement.

Lighting devices placed near the sensor or in the monitored area can cause false readings, avoid this interference as much as possible.

In the coverage area avoid appliances that produce heat such as fan coils, printers, lamps, etc. or objects that can move due to wind or air currents.

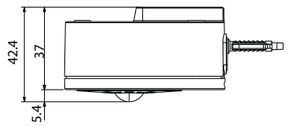
Avoid direct sunlight or artificial light radiating the sensor directly.

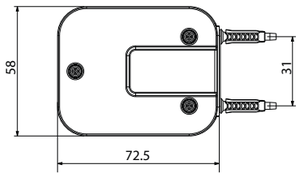




PD00E31KNX			
h	A	B	C
2.5 m	3.8 m	7.0 m	10.0 m
3.0 m	4.0 m	8.0 m	12.0 m
3.5 m	5.0 m	9.0 m	13.0 m
4.0 m	6.0 m	11.0 m	14.0 m

PD00E39KNX	
h	C
6.0 m	6.0 m
12.0 m	14.0 m
16.0 m	19.0 m





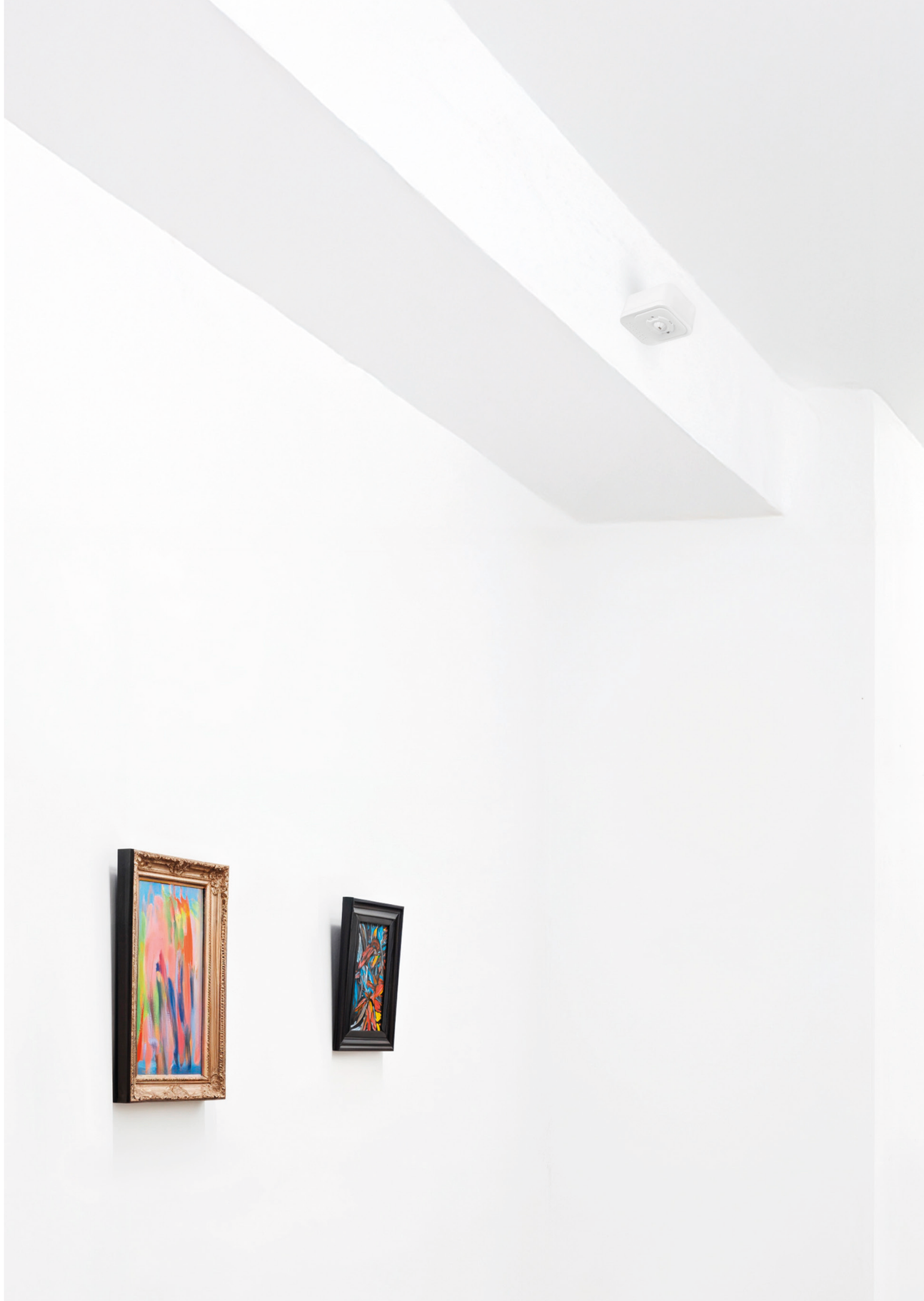
Technical Features

Mechanical data and mounting	• Dimensions: 73 x 58 x 43 mm • Ceiling mounting, surface installation
Supply	• Via bus cable 9.5 ÷ 22.4V DC • Max 10 mA
Connections	• Cabled connector 6 poles with AWG 26 wires L. 100 mm
Input - digital mode	• For free potential contacts (dry contacts) • Max. length of Cables (twisted): ≤ 10 m • Voltage Scanning: 3.3V DC
Lighting sensor	• Range: 50 ÷ 20000 LUX
Electrical Safety	• Degree of protection: IP20 (EN 60529) • Bus: safety extra low voltage 9.5 ÷ 22.4V DC • Reference standards: EN IEC 63044-3

Order Codes

PD00A31DL2-1
DALI-2 presence detector standard lighting control - Wall Mount - White

PD00E31DL2-3
DALI-2 presence detector standard lighting control - Wall Mount - Black



DALI-2 Pushbutton interface

4 INPUT

The DALI-2 button interface integrates up to four conventional light buttons into one DALI channel.

The following button states are managed

- button released
- button pressed
- short press
- double pressure
- long press start
- repeat with long press
- long-press stop
- free button
- button locked

The devices are multi master compatible.



Order Codes

PB40A01DL2
DALI-2 Push Button interface 4 input

Technical Features

Mechanical data	• 34,7 x 34,7 x 12 mm
Supply	• Via BUS 9,5 ÷ 22,4 V DC • Max 6 mA
Connections	• Cabled connector 12 poles with AWG 26
Environmental Specification	• Reference standards: EN 50491-2 • Operating temperature: 0 °C + 50 °C • Storage temperature: - 20 °C + 55 °C • Relative humidity (not condensing): max. 90% • Installation environment: indoorInstructions

DALI-2

DALI-2 LED Pushbutton interface

4 INPUT

The PB40A01DL2 interface integrates up to four conventional luminous pushbuttons in a DALI channel and 4 LEDs (cod. LD00A01ACC, LD00A11ACC) that can be powered by connecting the interface to an auxiliary line, reducing consumption on the BUS.

Available LED signalling states:

- LED on: command on
- LED off: command off

The following button states are managed

- button released
- button pressed
- short press
- double pressure
- long press start
- repeat with long press
- long-press stop
- free button
- button locked

The devices are multi master compatible.



Order Codes

PB44A01DL2
DALI-2 Push Button interface 4 input - 4 LED

Technical Features

Mechanical data	• 34,7 x 34,7 x 12 mm
Supply	• Via BUS 9,5 ÷ 22,4 V DC • Max with led off ≤ 6 mA • Max with led on ≤ 10 mA • Max with led on powered by 24 V DC - Ext ≤ 6 mA
Connections	• Cabled connector 12 poles with AWG 26
Environmental Specification	• Reference standards: EN 50491-2 • Operating temperature: 0 °C + 50 °C • Storage temperature: - 20 °C + 55 °C • Relative humidity (not condensing): max. 90% • Installation environment: indoorInstructions

Overview

Presence detectors and multisensors











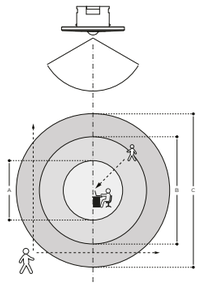
	Built-in sensors					Detection range								Tecnical data		
	Presence	Light	Temperature	Humidity	Sound	Shape	2,5 m height	3 m height	3,5 m height	4 m height	5 m height	12 m height	16 m height	Power consumption	Outer dimensions	IP class
PD00M01KNX KNX PRESENCE DETECTOR STANDARD MICRO FL	√	50 - 20,000 lux	-	-	-	circular	10m	12m	13m	14m	-	-	-	5mA	35mm	IP20
PD00M06KNX KNX PRESENCE DETECTOR STANDARD MICRO FL FLAT	√	50 - 20,000 lux	-	-	-	circular	6,5m	8m	9m	10,5m	-	-	-	5mA	35mm	IP20
PD00E31KNX-x KNX PRESENCE DETECTOR STANDARD WALL MOUNT	√	√ 50 - 20,000 lux	√	√	√	circular	10m	12m	13m	14m	-	-	-	5mA	81mm	IP20
PD00E39KNX-x KNX PRESENCE DETECTOR HIGH BAY WALL MOUNT	√	√ 50 - 20,000 lux	-	-	-	circular	-	-	-	-	6m	14 m	19m	5mA	81mm	IP20
PD00E00KNX-x KNX PRESENCE DETECTOR BASIC	√	-	-	-	-	circular	10m	12m	13m	14m	-	-	-	5mA	81mm	IP20
PD00E01KNX-x KNX PRESENCE DETECTOR STANDARD	√	√ 50 - 20,000 lux	-	-	-	circular	10m	12m	13m	14m	-	-	-	5mA	81mm	IP20
PD00E11KNX-x KNX PRESENCE DETECTOR STANDARD BLE	√	√ 50 - 20,000 lux	√	√	√	circular	10m	12m	13m	14m	-	-	-	5mA	81mm	IP20
PD00E02KNX-x KNX PRESENCE DETECTOR MULTISENSOR	√	√ 50 - 20,000 lux	√ -5°C +45°C	√ 0-100 %RH	√	circular	10m	12m	13m	14m	-	-	-	5mA	81mm	IP20
PD00E03KNX-x KNX PRESENCE DETECTOR SPACE	√	√ 50 - 20,000 lux	-5°C +45°C	0-100 %RH		circular	10m	12m	13m	14m	-	-	-	5mA	81mm	IP20
PD00E13KNX-x KNX PRESENCE DETECTOR SPACE BLE	√	√ 50 - 20,000 lux	-5°C +45°C	0-100 %RH		circular	10m	12m	13m	14m	-	-	-	5mA	81mm	IP20
PD00E09KNX-x KNX PRESENCE DETECTOR HIGH BAY	√	√ 50 - 20,000 lux	-	-	-	circular	-	-	-	-	6m	14 m	19m	5mA	81mm	IP20
PD00E20KNX-x KNX PRESENCE DETECTOR WIDE RANGE	√	√ 50 - 20,000 lux	-	-	-	circular	24m	-	-	-	-	-	-	5mA	105mm	IP20
PD00E21KNX-x KNX PRESENCE DETECTOR CORRIDOR	√	√ 50 - 20,000 lux	-	-	-	rectangular	40x5m	-	-	-	-	-	-	5mA	105mm	IP20

	External physical inputs							Software features					
	CO_2	eCO_2	VOC	Temperature probe	Analog	Digital	Max cable Lengths for inputs	Logic functions	Virtual Holder	Thermostat functon	HCL	Contsant light control	Locking function
PD00M01KNX KNX PRESENCE DETECTOR STANDARD MICRO FL	-	-	-	√	√	√	30m	8	√	√	√	√	√
PD00M06KNX KNX PRESENCE DETECTOR STANDARD MICRO FL FLAT	-	-	-	√	√	√	30m	8	√	√	√	√	√
PD00E31KNX-x KNX PRESENCE DETECTOR STANDARD WALL MOUNT	-	-	-	√	√	√	30m	12	√	√	√	√	√
PD00E39KNX-x KNX PRESENCE DETECTOR HIGH BAY WALL MOUNT	-	-	-	√	√	√	30m	12	√	√	√	√	√
PD00E00KNX-x KNX PRESENCE DETECTOR BASIC	-	-	-	-	-	√	30m	12	√	-	-	-	√
PD00E01KNX-x KNX PRESENCE DETECTOR STANDARD	-	-	-	√	√	√	30m	12	√	√	√	√	√
PD00E11KNX-x KNX PRESENCE DETECTOR STANDARD BLE	-	-	-	√	√	√	30m	12	√	√	√	√	√
PD00E02KNX-x KNX PRESENCE DETECTOR MULTISENSOR	√	√	√	√	√	√	30m	12	√	√	√	√	√
PD00E03KNX-x KNX PRESENCE DETECTOR SPACE	√	√	√	√	√	√	30m	12	√	√	√	√	√
PD00E13KNX-x KNX PRESENCE DETECTOR SPACE BLE	√	√	√	√	√	√	30m	12	√	√	√	√	√
PD00E09KNX-x KNX PRESENCE DETECTOR HIGH BAY	-	-	-	√	√	√	30m	12	√	√	√	√	√
PD00E20KNX-x KNX PRESENCE DETECTOR WIDE RANGE	√	√	-	√	√	√	30m	12	√	√	√	√	√
PD00E21KNX-x KNX PRESENCE DETECTOR CORRIDOR	√	√	√	√	√	√	30m	12	√	√	√	√	√

KNX Basic
Presence Detector

The BASIC version of Eelectron presence detectors range is suitable for ceiling mounting up to 4 m height.
Presence detection, based on a passive infrared sensor has 5 independently configurable channels with different functions that can be activated.
The device has a rear connector with 3 digital inputs that can be connected to buttons or switches free of potential and used for on / off commands, dimming, shutters or blinds / scenarios, sequences, step commands, etc.
One of the 3 inputs can be configured as analogue for the connection of NTC temperature probes (see eelectron probes code TS00A01ACC / TS00B01ACC) with which to send the temperature measurement on the bus.
12 logic blocks are available to implement simple expressions with logical or threshold operator or complex expressions with algebraic and conditional operators.
The device also integrates the “Virtual Holder Logic”; the field of application is the hotel room: through a magnetic sensor installed on the door and connected to a digital input (also to the sensor itself), accurate presence information is managed. The presence detection solution can deduce the presence of people in the room using one or more dedicated sensors. It also detects an unexpected presence and is able to differentiate different behaviours.





BASIC - STANDARD - MULTI - SPACE

h	A	B	C
2.5 m	3.8 m	7.0 m	10.0 m
3.0 m	4.0 m	8.0 m	12.0 m
3.5 m	5.0 m	9.0 m	13.0 m
4.0 m	6.0 m	11.0 m	14.0 m

A | Person working at the desk
B | Person moving towards the sensor
C | Person moving sideways with respect to the sensor

Technical Features

Mechanical data	• Dimensions: Ø × H 81 x 37 mm
Mounting	• Ceiling mounting, flush-mounted, surface installation
Supply	• Via EIB/KNX bus cable: 21 ÷ 32 V DC • Max 10 mA
Input - digital mode	• For free potential contacts (dry contacts) • Max. length of Connecting Cables ≤ 30 m (twisted cable)
Input - analog mode for temperature probe	For NTC temperature probe eelectron code: • TS01A01ACC (range from -20°C to +100°C) • TS01B01ACC (range from -50°C to +60°C) • TS01D01ACC (range from -40°C to 125°C) • Max. length of Connecting Cable: ≤ 30 m (twisted cable)

Order Codes

PD00E00KNX
KNX Presence detector Basic - White

PD00E00KNX-3
KNX Presence detector Basic - Black

PD00E00ACC
Surface mounting enclosure

PD00E00ACC-3
Surface mounting enclosure - Black

PD00E01ACC
Box mounting frame

PD00E03ACC
Swiss box mounting frame - White

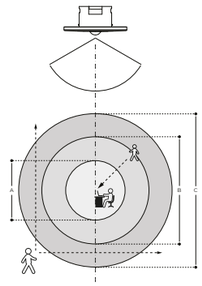
PD00E03ACC-3
Swiss box mounting frame - Black

KNXSENSORS

KNX Standard
Presence Detector
WITH LIGHTING CONTROL

The STANDARD version of Eelectron presence detectors range is suitable for ceiling mounting up to 4 m height and includes a brightness sensor for environmental lighting control. Presence detection, based on a passive infrared sensor, has 5 independently configurable channels with different functions that can be activated: presence with or without brightness control and with automatic or semi-automatic detection; constant brightness independent or presence dependent with automatic or semi-automatic activation.
The device has a rear connector with 3 digital inputs that can be connected to buttons or switches free of potential and used for on / off commands, dimming, shutters or blinds / scenarios, sequences, step commands, etc.
One of the 3 inputs can be configured as analogue for the connection of NTC temperature probes (see eelectron probes code TS00A01ACC / TS00B01ACC) with which to send the temperature measurement on the bus. 12 logic blocks are available to implement simple expressions with logical or threshold operator or complex expressions with algebraic and conditional operators.
The device also integrates the “Virtual Holder Logic”; the field of application is the hotel room: through a magnetic sensor installed on the door and connected to a digital input (also to the sensor itself), accurate presence information is managed. The presence detection solution can deduce the presence of people in the room using one or more dedicated sensors. It also detects an unexpected presence and is able to differentiate different behaviours.
The device manages the ambient lighting based on the measured illuminance; it is also possible to enable the logic called “Circadian Rhythm” with which brightness and colour temperature are imposed on the basis of predefined curves or on the basis of the real position of the sun during the day with respect to a terrestrial coordinate.





BASIC - STANDARD - MULTI - SPACE

h	A	B	C
2.5 m	3.8 m	7.0 m	10.0 m
3.0 m	4.0 m	8.0 m	12.0 m
3.5 m	5.0 m	9.0 m	13.0 m
4.0 m	6.0 m	11.0 m	14.0 m

A | Person working at the desk
B | Person moving towards the sensor
C | Person moving sideways with respect to the sensor

Technical Features

Mechanical data	• Dimensions: Ø × H 81 x 37 mm
Mounting	• Ceiling mounting, flush-mounted, surface installation
Supply	• Via EIB/KNX bus cable: 21 ÷ 32 V DC • Max 10 mA
Input - digital mode	• For free potential contacts (dry contacts) • Max. length of Connecting Cables ≤ 30 m (twisted cable)
Input - analog mode for temperature probe	For NTC temperature probe eelectron code: • TS01A01ACC (range from -20°C to +100°C) • TS01B01ACC (range from -50°C to +60°C) • TS01D01ACC (range from -40°C to 125°C) • Max. length of Connecting Cable: ≤ 30 m (twisted cable)

Order Codes

PD00E01KNX
KNX Presence detector Standard lighting control - White

PD00E01KNX-3
KNX Presence detector Standard lighting control - Black

PD00E00ACC
Surface mounting enclosure

PD00E00ACC-3
Surface mounting enclosure - Black

PD00E01ACC
Box mounting frame

PD00E03ACC
Swiss box mounting frame - White

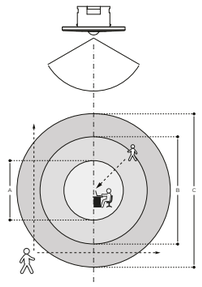
PD00E03ACC-3
Swiss box mounting frame - Black

Wall Mount - KNX Standard Presence Detector

WITH LIGHTING CONTROL

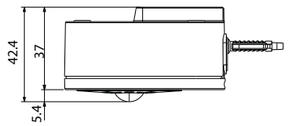
Eelectron presence sensors for wall mounting, STANDARD version (PD00E31KNX), suitable for installation up to 4 m. Includes a brightness (lux) sensor for ambient lighting control. Rear connector with 3 digital inputs, connectable to potential-free pushbuttons/switches and usable for on/off commands, dimming, shutters/blinds, scenes, sequences, step commands, etc. In both versions, one of the three inputs can be configured as an analog input for connecting NTC temperature probes (TS01AxxACC/TS01BxxACC/TS01CxxACC/TS01DxxACC), allowing the temperature value to be sent on the bus or enabling a complete thermostat module. The thermostat manages 2 stages with an integrated PI controller for controlling heating/cooling equipment, valves, and 2- or 4-pipe fan coils. Presence detection is based on a passive infrared (PIR) sensor and provides 5 independently configurable channels: presence with or without brightness control (automatic or semi-automatic) and constant brightness control, independent or presence dependent (automatic or semi-automatic activation). 12 logic blocks are available for simple logical/threshold expressions or complex algebraic/conditional expressions, and predefined algorithms (e.g., proportional temperature/humidity control, dew point calculation). The device integrates Virtual Holder Logic for hotel rooms: using a door magnetic contact connected to a digital input (also on the sensor), it manages accurate occupancy information, infers people presence using one or more dedicated sensors, detects unexpected presence, and differentiates behaviors. Ambient lighting is controlled based on measured illuminance; the optional “Circadian Rhythm” logic sets brightness and colour temperature using predefined curves or real sun position (terrestrial coordinates), recreating lighting comfort close to natural conditions. Illuminance measurement is indirect, therefore calibration is required. As the wall-mounted sensor reading may differ from the work plane, correction parameters can be set via ETS based on an on-site lux meter measurement. Avoid direct sunlight or artificial light shining onto the sensor. Detection depends on the temperature difference between ambient and moving people/objects (lower difference = lower sensitivity). For correct coverage, avoid obstacles (walls, including glass, furniture) or increase the number of sensors. Mount on a stable surface (no vibration/oscillation). Nearby lighting fixtures may cause false detections; minimize interference. Avoid heat sources (fan coils, printers, lamps, etc.) and objects moving due to air currents.

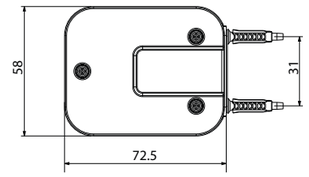




PD00E31KNX			
h	A	B	C
2.5 m	3.8 m	7.0 m	10.0 m
3.0 m	4.0 m	8.0 m	12.0 m
3.5 m	5.0 m	9.0 m	13.0 m
4.0 m	6.0 m	11.0 m	14.0 m

PD00E39KNX	
h	C
6.0 m	6.0 m
12.0 m	14.0 m
16.0 m	19.0 m





Technical Features

Mechanical data	• Dimensions: 73 x 58 x 43 mm
Mounting	• Ceiling mounting, surface installation
Supply	• Via EIB/KNX bus cable: 21 ÷ 32 V DC • ≤ 10 mA
Input - digital mode	• For free potential contacts (dry contacts) • Max. length of Connecting Cables ≤ 30 m (twisted cable)
Input - analog mode for temperature probe	For NTC temperature probe eelectron code: • TS01A01ACC (range from -20°C to +100°C) • TS01B01ACC (range from -50°C to +60°C) • TS01C01ACC (range from -40°C to +105°C) • TS01D01ACC (range from -5°C to +45°C) • Max. length of Connecting Cable: ≤ 30 m (twisted cable)

Order Codes

PD00E31KNX
KNX Presence detector standard lighting control - Wall Mount - White

PD00E31KNX-3
KNX Presence detector standard lighting control - Wall Mount - Black

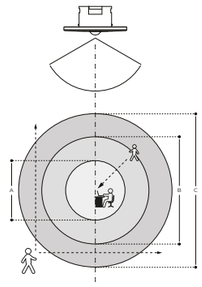
KNXSENSORS

Wall Mount - KNX High Bay Presence Detector

WITH LIGHTING CONTROL

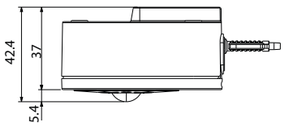
Eelectron presence sensors for wall mounting, HIGH BAY version (PD00E39KNX), suitable for installation up to 4 m. Includes a brightness (lux) sensor for ambient lighting control. Rear connector with 3 digital inputs, connectable to potential-free pushbuttons/switches and usable for on/off commands, dimming, shutters/blinds, scenes, sequences, step commands, etc. In both versions, one of the three inputs can be configured as an analog input for connecting NTC temperature probes (TS01AxxACC/TS01BxxACC/TS01CxxACC/TS01DxxACC), allowing the temperature value to be sent on the bus or enabling a complete thermostat module. The thermostat manages 2 stages with an integrated PI controller for controlling heating/cooling equipment, valves, and 2- or 4-pipe fan coils. Presence detection is based on a passive infrared (PIR) sensor and provides 5 independently configurable channels: presence with or without brightness control (automatic or semi-automatic) and constant brightness control, independent or presence dependent (automatic or semi-automatic activation). 12 logic blocks are available for simple logical/threshold expressions or complex algebraic/conditional expressions, and predefined algorithms (e.g., proportional temperature/humidity control, dew point calculation). The device integrates Virtual Holder Logic for hotel rooms: using a door magnetic contact connected to a digital input (also on the sensor), it manages accurate occupancy information, infers people presence using one or more dedicated sensors, detects unexpected presence, and differentiates behaviors. Ambient lighting is controlled based on measured illuminance; the optional “Circadian Rhythm” logic sets brightness and colour temperature using predefined curves or real sun position (terrestrial coordinates), recreating lighting comfort close to natural conditions. Illuminance measurement is indirect, therefore calibration is required. As the wall-mounted sensor reading may differ from the work plane, correction parameters can be set via ETS based on an on-site lux meter measurement. Avoid direct sunlight or artificial light shining onto the sensor. Detection depends on the temperature difference between ambient and moving people/objects (lower difference = lower sensitivity). For correct coverage, avoid obstacles (walls, including glass, furniture) or increase the number of sensors. Mount on a stable surface (no vibration/oscillation). Nearby lighting fixtures may cause false detections; minimize interference. Avoid heat sources (fan coils, printers, lamps, etc.) and objects moving due to air currents.

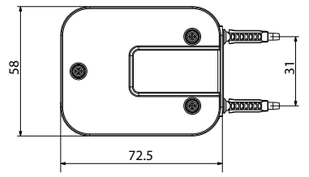




PD00E31KNX			
h	A	B	C
2.5 m	3.8 m	7.0 m	10.0 m
3.0 m	4.0 m	8.0 m	12.0 m
3.5 m	5.0 m	9.0 m	13.0 m
4.0 m	6.0 m	11.0 m	14.0 m

PD00E39KNX	
h	C
6.0 m	6.0 m
12.0 m	14.0 m
16.0 m	19.0 m





Technical Features

Mechanical data	• Dimensions: 73 x 58 x 43 mm
Mounting	• Ceiling mounting, surface installation
Supply	• Via EIB/KNX bus cable: 21 ÷ 32 V DC • ≤ 10 mA
Input - digital mode	• For free potential contacts (dry contacts) • Max. length of Connecting Cables ≤ 30 m (twisted cable)
Input - analog mode for temperature probe	For NTC temperature probe eelectron code: • TS01A01ACC (range from -20°C to +100°C) • TS01B01ACC (range from -50°C to +60°C) • TS01C01ACC (range from -40°C to +105°C) • TS01D01ACC (range from -5°C to +45°C) • Max. length of Connecting Cable: ≤ 30 m (twisted cable)

Order Codes

PD00E39KNX
KNX High Bay Presence Detector standard lighting control - Wall Mount - White

PD00E39KNX-3
KNX High Bay Presence Detector standard lighting control - Wall Mount - Black

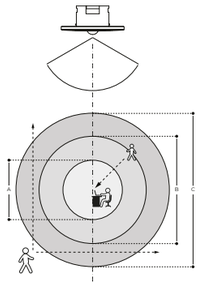
KNX Standard Presence Detector - MicroFL

WITH LIGHTING CONTROL

Eelectron MicroFL presence sensors for wall mounting with round lens (PD00M01KNX), available in white or black finish, suitable for installation up to 4 m.
Presence detection, based on a passive infrared (PIR) sensor, provides 5 independently configurable channels with selectable functions: presence with or without brightness control, with automatic or semi-automatic operation; constant brightness control, independent or presence dependent, with automatic or semi-automatic activation. 8 logic blocks are available to implement simple logical/threshold expressions or complex expressions with algebraic and conditional operators, and to run predefined algorithms (e.g., proportional temperature/humidity control, dew point calculation). The device integrates “Virtual Holder Logic”, designed for hospitality applications, for advanced and reliable occupancy management. It combines the status of a door magnetic contact (connected to a digital input) with data from one or more presence sensors to consistently infer actual occupancy, detect unexpected presence, and distinguish different occupant behaviors. Ambient lighting is managed based on measured illuminance; the “Circadian Rhythm” function can also be enabled to impose brightness and colour temperature using predefined curves or the real sun position during the day (terrestrial coordinates), recreating lighting comfort as close as possible to natural conditions. Illuminance measurement is indirect, therefore calibration is required. As the ceiling-mounted sensor reading may differ from the work-plane level, correction parameters can be set via ETS® and DCA (Sensor Calibration Tool) using an on-site lux meter measurement. Avoid direct sunlight or artificial light shining onto the sensor. Adjustable sensitivity levels are available: detection depends on the temperature difference between ambient and moving people/objects (lower difference = lower sensitivity). For correct coverage, avoid obstacles (walls, including glass, or furniture) or increase the number of sensors. Mount on a stable surface (no vibration/oscillation). Nearby lighting fixtures may cause false detections; minimize interference. Avoid heat sources (fan coils, printers, lamps, etc.) and moving objects caused by air currents. The device is configurable via ETS and supports KNX® Data Secure; KNX communication interface included.



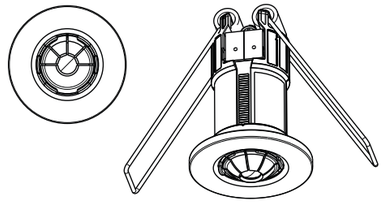




PD00M01KNX

h	A	B	C
2.5 m	3.8 m	7.0 m	10.0 m
3,0 m	4,0 m	8,0 m	12,0 m
3.5 m	5.0 m	9.0 m	13.0 m
4.0 m	6.0 m	11.0 m	14.0 m

A | Person working at the desk
B | Person moving towards the sensor
C | Person moving sideways with respect to the sensor



Technical Features

Mechanical data	• Dimensions: 35 x 53mm
Mounting	• Ceiling mounting, flush-mounted
Connections	• EIB / KNX connector
Supply	• Via EIB/KNX bus cable: 21 ÷ 32 V DC • ≤ 5 mA

Order Codes

PD00M01KNX
KNX Presence detector Standard - lighting control - MicroFL - White

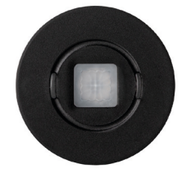
PD00M01KNX-3
KNX Presence detector Standard - lighting control - MicroFL - Black

KNXSENSORS

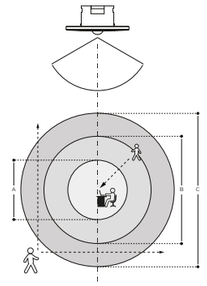
KNX Standard Presence Detector - MicroFL FLAT

WITH LIGHTING CONTROL

Eelectron MicroFL FLAT presence sensors for wall mounting with square lens (PD00M06KNX), available in white or black finish, suitable for installation up to 4 m.
Presence detection, based on a passive infrared (PIR) sensor, provides 5 independently configurable channels with selectable functions: presence with or without brightness control, with automatic or semi-automatic operation; constant brightness control, independent or presence dependent, with automatic or semi-automatic activation. 8 logic blocks are available to implement simple logical/threshold expressions or complex expressions with algebraic and conditional operators, and to run predefined algorithms (e.g., proportional temperature/humidity control, dew point calculation). The device integrates “Virtual Holder Logic”, designed for hospitality applications, for advanced and reliable occupancy management. It combines the status of a door magnetic contact (connected to a digital input) with data from one or more presence sensors to consistently infer actual occupancy, detect unexpected presence, and distinguish different occupant behaviors. Ambient lighting is managed based on measured illuminance; the “Circadian Rhythm” function can also be enabled to impose brightness and colour temperature using predefined curves or the real sun position during the day (terrestrial coordinates), recreating lighting comfort as close as possible to natural conditions. Illuminance measurement is indirect, therefore calibration is required. As the ceiling-mounted sensor reading may differ from the work-plane level, correction parameters can be set via ETS® and DCA (Sensor Calibration Tool) using an on-site lux meter measurement. Avoid direct sunlight or artificial light shining onto the sensor. Adjustable sensitivity levels are available: detection depends on the temperature difference between ambient and moving people/objects (lower difference = lower sensitivity). For correct coverage, avoid obstacles (walls, including glass, or furniture) or increase the number of sensors. Mount on a stable surface (no vibration/oscillation). Nearby lighting fixtures may cause false detections; minimize interference. Avoid heat sources (fan coils, printers, lamps, etc.) and moving objects caused by air currents. The device is configurable via ETS and supports KNX® Data Secure; KNX communication interface included.



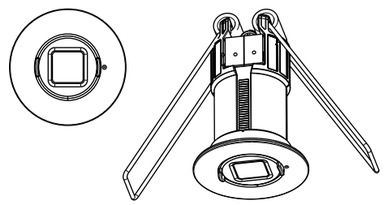




PD00M06KNX

h	A	B	C
2.5 m	2.5 m	3.0 m	6.5 m
3,0 m	3,0 m	4,0 m	8,0 m
3.5 m	3.5 m	4.5 m	9.0 m
4.0 m	4.0 m	5.0 m	10.5 m

A | Person working at the desk
B | Person moving towards the sensor
C | Person moving sideways with respect to the sensor



Technical Features

Mechanical data	• Dimensions: 35 x 53mm
Mounting	• Ceiling mounting, flush-mounted
Connections	• EIB / KNX connector
Supply	• Via EIB/KNX bus cable: 21 ÷ 32 V DC • ≤ 5 mA

Order Codes

PD00M06KNX
KNX Presence detector Standard - lighting control - MicroFL FLAT - White

PD00M06KNX-3
KNX Presence detector Standard - lighting control - MicroFL FLAT - Black

KNX High Bay Presence Detector

WITH LIGHTING CONTROL

The HIGH BAY version of Eelectron presence detectors range is suitable for ceiling mounting up to 16 m height and includes a brightness sensor for environmental lighting control. Presence detection, based on a passive infrared sensor, has 5 independently configurable channels with different functions that can be activated: presence with or without brightness control and with automatic or semi-automatic detection; constant brightness independent or presence dependent with automatic or semi-automatic activation.

The device has a rear connector with 3 digital inputs that can be connected to buttons or switches free of potential and used for on / off commands, dimming, shutters or blinds / scenarios, sequences, step commands, etc. One of the 3 inputs can be configured as analogue for the connection of NTC temperature probes (see eelectron probes code TS00A01ACC / TS00B01ACC) with which to send the temperature measurement on the bus. 12 logic blocks are available to implement simple expressions with logical or threshold operator or complex expressions with algebraic and conditional operators.

The device also integrates the “Virtual Holder Logic”; the field of application is the hotel room: through a magnetic sensor installed on the door and connected to a digital input (also to the sensor itself), accurate presence information is managed. The presence detection solution can deduce the presence of people in the room using one or more dedicated sensors. It also detects an unexpected presence and is able to differentiate different behaviours.

The device manages the ambient lighting based on the measured illuminance; it is also possible to enable the logic called “Circadian Rhythm” with which brightness and colour temperature are imposed on the basis of predefined curves or on the basis of the real position of the sun during the day with respect to a terrestrial coordinate.

Technical Features

Mechanical data	• Dimensions: Ø × H 81 x 37 mm
Mounting	• Ceiling mounting, flush-mounted, surface installation
Supply	• Via EIB/KNX bus cable: 21 ÷ 32 V DC • Max 10 mA
Input - digital mode	• For free potential contacts (dry contacts) • Max. length of Connecting Cables ≤ 30 m (twisted cable)
Input - analog mode for temperature probe	For NTC temperature probe eelectron code: • TS01A01ACC (range from -20°C to +100°C) • TS01B01ACC (range from -50°C to +60°C) • TS01D01ACC (range from -40°C to 125°C) • Max. length of Connecting Cable: ≤ 30 m (twisted cable)



Detection range

h	Ø
5 m	6 m
12 m	14 m
16 m	19 m

Order Codes

PD00E09KNX
KNX High bay presence detector with lighting control - White

PD00E09KNX-3
KNX High bay presence detector with lighting control - Black

PD00E00ACC
Surface mounting enclosure - White

PD00E00ACC-3
Surface mounting enclosure - Black

PD00E01ACC
Box mounting frame

PD00E03ACC
Swiss box mounting frame - White

PD00E03ACC-3
Swiss box mounting frame - Black

KNXSENSORS

KNX High Bay Presence Detector IP54

WITH LIGHTING CONTROL

The HIGH BAY IP54 version of Eelectron presence detectors range is suitable for ceiling mounting up to 16 m height and includes a brightness sensor for environmental lighting control. Presence detection, based on a passive infrared sensor, has 5 independently configurable channels with different functions that can be activated: presence with or without brightness control and with automatic or semi-automatic detection; constant brightness independent or presence dependent with automatic or semi-automatic activation. The device has a rear connector with 3 digital inputs that can be connected to buttons or switches free of potential and used for on / off commands, dimming, shutters or blinds / scenarios, sequences, step commands, etc. One of the 3 inputs can be configured as analogue for the connection of NTC temperature probes (see eelectron probes code TS00A01ACC / TS00B01ACC) with which to send the temperature measurement on the bus. 12 logic blocks are available to implement simple expressions with logical or threshold operator or complex expressions with algebraic and conditional operators.

The device also integrates the “Virtual Holder Logic”; the field of application is the hotel room: through a magnetic sensor installed on the door and connected to a digital input (also to the sensor itself), accurate presence information is managed. The presence detection solution can deduce the presence of people in the room using one or more dedicated sensors. It also detects an unexpected presence and is able to differentiate different behaviours.

The device manages the ambient lighting based on the measured illuminance; it is also possible to enable the logic called “Circadian Rhythm” with which brightness and colour temperature are imposed on the basis of predefined curves or on the basis of the real position of the sun during the day with respect to a terrestrial coordinate.

Technical Features

Mechanical data	• Dimensions: Ø × H 81 x 37 mm
Mounting	• Ceiling mounting, flush-mounted, surface installation
Supply	• Via EIB/KNX bus cable: 21 ÷ 32 V DC • Max 10 mA
Input - digital mode	• For free potential contacts (dry contacts) • Max. length of Connecting Cables ≤ 30 m (twisted cable)
Input - analog mode for temperature probe	For NTC temperature probe eelectron code: • TS01A01ACC (range from -20°C to +100°C) • TS01B01ACC (range from -50°C to +60°C) • TS01D01ACC (range from -40°C to 125°C) • Max. length of Connecting Cable: ≤ 30 m (twisted cable)



Detection range

h	Ø
5 m	6 m
12 m	14 m
16 m	19 m

Order Codes

PD54E09KNX-1
KNX High bay presence detector with lighting control - White

PD54E09KNX-3
KNX High bay presence detector with lighting control - Black

PD54E00ACC-1
Surface mounting enclosure- White

PD54E00ACC-3
Surface mounting enclosure - Black

KNX Multi.Sensor
Presence Detector

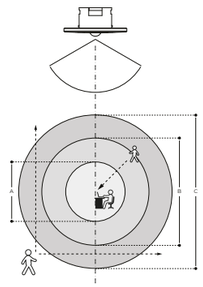
WITH LIGHTING CONTROL, TEMPERATURE, HUMIDITY, SOUND SENSOR

The MULTI.SENSOR of Eelectron presence detectors range is suitable for ceiling mounting up to 4 m height. The device includes a brightness sensor for environmental lighting control, humidity and temperature sensors with the relative control algorithms and a sound sensor that can be used in rooms with parts not totally visible to the infrared sensor.
Presence detection, based on a passive infrared sensor, has 5 independently configurable channels with different functions that can be activated: presence with or without brightness control and with automatic or semi-automatic detection; constant brightness independent or presence dependent with automatic or semi-automatic activation.
The device has a rear connector with 3 digital inputs that can be connected to buttons or switches free of potential and used for on / off commands, dimming, shutters or blinds / scenarios, sequences, step commands, etc. One of the 3 inputs can be configured as analogue for the connection of NTC temperature probes (see eelectron probes code TS00A01ACC / TS00B01ACC) with which to send the temperature measurement on the bus or manage a complete thermostat module. The thermostat manages 2 stages with an integrated PI controller for controlling heating and cooling equipment, valves, 2 and 4-pipe fan coils, etc.
The humidity sensor manages the measurement of the ambient relative humidity and allows the control with thresholds and hysteresis of humidification and dehumidification equipments.
12 logic blocks are available to implement simple expressions with logical or threshold operator or complex expressions with algebraic and conditional operators. The device also integrates the “Virtual Holder Logic”; the field of application is the hotel room: through a magnetic sensor installed on the door and connected to a digital input (also to the sensor itself), accurate presence information is managed. The presence detection solution can deduce the presence of people in the room using one or more dedicated sensors. It also detects an unexpected presence and is able to differentiate different behaviours. The device manages the ambient lighting based on the measured illuminance; it is also possible to enable the logic called “Circadian Rhythm” with which brightness and colour temperature are imposed on the basis of predefined curves or on the basis of the real position of the sun during the day with respect to a terrestrial coordinate.

Technical Features

Mechanical data	• Dimensions: Ø × H 81 x 37 mm
Mounting	• Ceiling mounting, flush-mounted, surface installation • Max 10 mA
Supply	• Via EIB/KNX bus cable: 21 ÷ 32 V DC • Max 10 mA
Input - digital mode	• For free potential contacts (dry contacts) • Max. length of Connecting Cables ≤ 30 m (twisted cable)
Input - analog mode for temperature probe	For NTC temperature probe eelectron code: • TS01A01ACC (range from -20°C to +100°C) • TS01B01ACC (range from -50°C to +60°C) • TS01D01ACC (range from -40°C to 125°C) • Max. length of Connecting Cable: ≤ 30 m (twisted cable)





BASIC - STANDARD - MULTI - SPACE

h	A	B	C
2.5 m	3.8 m	7.0 m	10.0 m
3.0 m	4.0 m	8.0 m	12.0 m
3.5 m	5.0 m	9.0 m	13.0 m
4.0 m	6.0 m	11.0 m	14.0 m

A | Person working at the desk
B | Person moving towards the sensor
C | Person moving sideways with respect to the sensor

Order Codes

PD00E02KNX
KNX Presence detector Multi.Sensor - lighting control, temperature, humidity, sound sensor - White
PD00E02KNX-3
KNX Presence detector Multi.Sensor - lighting control, temperature, humidity, sound sensor - Black
PD00E00ACC
Surface mounting enclosure - White
PD00E00ACC-3
Surface mounting enclosure - Black
PD00E01ACC
Box mounting frame
SM03E03ACC
Plug-in sensor CO_2 + VOC + Temp - White
SM03E03ACC-3
Plug-in sensor CO_2 + VOC + Temp - Black
SM03E02ACC
Plug-in sensor VOC + eCO_2 + Temperature - White
SM03E02ACC-3
Plug-in sensor VOC + eCO_2 + Temperature - Black
PD00E03ACC
Swiss box mounting frame - White
PD00E03ACC-3
Swiss box mounting frame - Black
PD00E07ACC-1
Double square ring mounting bracket - White
PD00E07ACC-3
Double square ring mounting accessory - Black

KNXSENSORS

KNX Space
Presence Detector

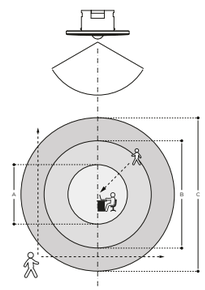
WITH LIGHTING CONTROL, TEMPERATURE, HUMIDITY, SOUND SENSOR, UTILIZATION RANGE AND OCCUPANCY

The SPACE sensor of Eelectron presence detectors range is suitable for ceiling mounting up to 4 m height. The device includes a brightness sensor for environmental lighting control, humidity and temperature sensors with the relative control algorithms and a sound sensor that can be used in rooms with parts not totally visible to the infrared sensor. Presence detection, based on a passive infrared sensor, has 5 independently configurable channels with different functions that can be activated: presence with or without brightness control and with automatic or semi-automatic detection; constant brightness independent or presence dependent with automatic or semi-automatic activation. The device has a rear connector with 3 digital inputs that can be connected to buttons or switches free of potential and used for on / off commands, dimming, shutters or blinds / scenarios, sequences, step commands, etc. One of the 3 inputs can be configured as analogue for the connection of NTC temperature probes (see eelectron probes code TS00A01ACC / TS00B01ACC) with which to send the temperature measurement on the bus or manage a complete thermostat module. The thermostat manages 2 stages with an integrated PI controller for controlling heating and cooling equipment, valves, 2 and 4-pipe fan coils, etc. The humidity sensor manages the measurement of the ambient relative humidity and allows the control with thresholds and hysteresis of humidification and dehumidification equipments. 12 logic blocks are available to implement simple expressions with logical or threshold operator or complex expressions with algebraic and conditional operators. The device also integrates the “Virtual Holder Logic”; the field of application is the hotel room: through a magnetic sensor installed on the door and connected to a digital input (also to the sensor itself), accurate presence information is managed. The presence detection solution can deduce the presence of people in the room using one or more dedicated sensors. It also detects an unexpected presence and is able to differentiate different behaviours. The device manages the ambient lighting based on the measured illuminance; it is also possible to enable the logic called “Circadian Rhythm” with which brightness and colour temperature are imposed on the basis of predefined curves or on the basis of the real position of the sun during the day with respect to a terrestrial coordinate.
To further integrate presence detection, the **Utilization function** can enable functionalities for mapping space status and related usage/availability i.e. space occupancy and % of utilization rates and can be used to create dashboards, analytics, etc. Moreover, the integrated **Occupancy function** detects useful data for the processing of information related to the intensity of the activity of occupants within the monitored areas allowing the generation of a “heat map” of the building areas.

Technical Features

Mechanical data	• Dimensions: Ø × H 81 x 37 mm
Mounting	• Ceiling mounting, flush-mounted, surface installation
Supply	• Via EIB/KNX bus cable: 21 ÷ 32 V DC • Max 10 mA
Input - digital mode	• For free potential contacts (dry contacts) • Max. length of Connecting Cables ≤ 30 m (twisted cable)
Input - analog mode for temperature probe	For NTC temperature probe eelectron code: • TS01A01ACC (range from -20°C to +100°C) • TS01B01ACC (range from -50°C to +60°C) • TS01D01ACC (range from -40°C to 125°C) • Max. length of Connecting Cable: ≤ 30 m (twisted cable)





BASIC - STANDARD - MULTI - SPACE

h	A	B	C
2.5 m	3.8 m	7.0 m	10.0 m
3.0 m	4.0 m	8.0 m	12.0 m
3.5 m	5.0 m	9.0 m	13.0 m
4.0 m	6.0 m	11.0 m	14.0 m

A | Person working at the desk
B | Person moving towards the sensor
C | Person moving sideways with respect to the sensor

Order Codes

PD00E03KNX
KNX Presence detector Space - lighting control, temperature, humidity, sound sensor, utilization range and occupancy - White
PD00E03KNX-3
KNX Presence detector Space - lighting control, temperature, humidity, sound sensor, utilization range and occupancy - Black
PD00E00ACC
Surface mounting enclosure - White
PD00E00ACC-3
Surface mounting enclosure - Black
PD00E01ACC
Box mounting frame
SM03E03ACC
Plug-in sensor CO_2 + VOC + Temp - White
SM03E03ACC-3
Plug-in sensor CO_2 + VOC + Temp - Black
SM03E02ACC
Plug-in sensor VOC + eCO_2 + Temp - White
SM03E02ACC-3
Plug-in sensor VOC + eCO_2 + Temp - Black
PD00E03ACC
Swiss box mounting frame - White
PD00E03ACC-3
Swiss box mounting frame - Black
PD00E07ACC-1
Double square ring mounting bracket - White
PD00E07ACC-3
Double square ring mounting accessory - Black

KNX presence sensor Standard BLE

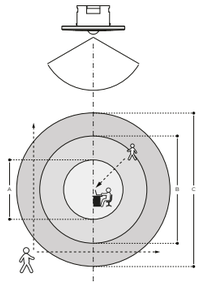
WITH LIGHT CONTROL

The STANDARD BLE sensor include a brightness sensor for environmental lighting control. Its has a rear connector with 3 digital inputs that can be connected to buttons or switches free of potential and used for on / off commands, dimming, shutters or blinds / scenarios, sequences, step commands, etc.
One of the 3 inputs can be configured as analogue for the connection of NTC temperature probes (see eelectron probes code TS00A01ACC / TS00B01ACC / TS00D01ACC) with which to send the temperature measurement on the bus or manage a complete thermostat module. The thermostat manages 2 stages with an integrated PI controller for controlling heating and cooling equipment, valves, 2 and 4-pipe fan coils, etc.
The device allow integration with the Plug-in wireless door lock system interface (IC01H10DLS) for the detection of door opening / closing data and the management of an automated room KNX. The plug-in can manage up to 8 doors and allows the wiring of the three rear inputs which remain available even if the plug-in is connected to the rear connector.
It also integrate an antenna with BEACON BLE (Bluetooth Low Energy) function. Data format compatible with iBeacon® and Eddystone®The devices allow you to set the transmission frequency and signal strength.
BLE technology allows the sending of messages to mobile devices. These devices must have an app that allows them to retrieve information from BLE beacons.
Presence detection, based on a passive infrared sensor, has 5 independently configurable channels with different functions that can be activated: presence with or without brightness control and with automatic or semi-automatic detection; constant brightness independent or presence dependent with automatic or semi-automatic activation.
Moreover, 12 logic blocks are available to implement simple expressions with logical or threshold operator or complex expressions with algebraic and conditional operators; It's possible to use predefined algorithms as proportional controls of temperature and humidity or dew point calculation.
The device also integrates the "Virtual Holder Logic"; the field of application is the hotel room: through a magnetic sensor installed on the door and connected to a digital input (also to the sensor itself), accurate presence information is managed. The presence detection solution can deduce the presence of people in the room using one or more dedicated sensors. It also detects an unexpected presence and is able to differentiate different behaviours.
The device manages the ambient lighting based on the measured illuminance; it is also possible to enable the logic called "Circadian Rhythm" with which brightness and colour temperature are imposed on the basis of predefined curves or on the basis of the real position of the sun during the day with respect to a terrestrial coordinate. This function allows you to recreate lighting comfort in an environment as close as possible to reality.
The measurement of lighting in the environment is carried out indirectly and it is therefore necessary to carry out a calibration. The sensor is installed on the ceiling and the detected brightness may differ significantly from that of the work surface; using the ETS software it is possible to set correction parameters for the device basing on a local measurement using the lux meter.
Avoid direct sunlight or artificial light radiating the sensor directly.

Technical Features

Mechanical data	• Dimensions: Ø × H 81 x 37 mm
Mounting	• Ceiling mounting, flush-mounted, surface installation
Supply	• Via bus EIB/KNX cable 21÷ 32 V DC • Max 10 mA • Current consumption PD00E1x + IC01H10DLS: ≤ 15 mA
Input - digital mode	• For free potential contacts (dry contacts) • Max. length of Connecting Cables ≤ 30 m (twisted cable)
Input - analog mode for temperature probe	For NTC temperature probe eelectron code: • TS01A01ACC (range from -20°C to +100°C) • TS01B01ACC (range from -50°C to +60°C) • TS01D01ACC (range from -40°C to 125°C) • Max. length of Connecting Cable: ≤ 30 m (twisted cable)





BASIC - STANDARD - MULTI - SPACE

h	A	B	C
2.5 m	3.8 m	7.0 m	10.0 m
3.0 m	4.0 m	8.0 m	12.0 m
3.5 m	5.0 m	9.0 m	13.0 m
4.0 m	6.0 m	11.0 m	14.0 m

A | Person working at desk
B | Person moving to sensor
C | Person moving sideways relative to sensor

Order Codes

PD00E11KNX
KNX Standard BLE presence sensor - White

PD00E11KNX-3
KNX Standard BLE Presence Sensor - Black

PD00E00ACC
Surface-mounting accessory

PD00E00ACC-3
Surface Mounting Accessory - Black

PD00E01ACC
Surface Mounting Accessory - Black

PD00E03ACC
Swiss Flush Mounting Box Accessory - White

PD00E03ACC-3
Swiss Flush Mounting Box Accessory - Black

PD00E07ACC-1
Double square ring mounting accessory - White

PD00E07ACC-3
Double square ring mounting accessory - Black

KNXSENSORS

KNX presence sensor Space BLE

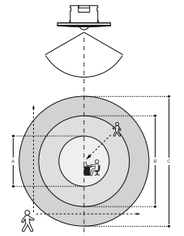
WITH BRIGHTNESS CONTROL, TEMPERATURE, HUMIDITY, SOUND, USE INDICATOR AND ACTIVITY

The SPACE BLE sensor includes a brightness sensor for environmental lighting control, humidity and temperature sensors with the relative control algorithms and a sound sensor that can be used in rooms with parts not totally visible to the infrared sensor. A rear connector with 3 digital inputs that can be connected to buttons or switches free of potential and used for on / off commands, dimming, shutters or blinds / scenarios, sequences, step commands, etc.
One of the 3 inputs can be configured as analogue for the connection of NTC temperature probes (see eelectron probes code TS00A01ACC / TS00B01ACC / TS00D01ACC) with which to send the temperature measurement on the bus or manage a complete thermostat module. The thermostat manages 2 stages with an integrated PI controller for controlling heating and cooling equipment, valves, 2 and 4-pipe fan coils, etc.
The device allow integration with the Plug-in wireless door lock system interface (IC01H10DLS) for the detection of door opening / closing data and the management of an automated room KNX. The plug-in can manage up to 8 doors and allows the wiring of the three rear inputs which remain available even if the plug-in is connected to the rear connector.
It integrate an antenna with BEACON BLE (Bluetooth Low Energy) function. Data format compatible with iBeacon® and Eddystone®The devices allow you to set the transmission frequency and signal strength. BLE technology allows the sending of messages to mobile devices. These devices must have an app that allows them to retrieve information from BLE beacons. The humidity sensor manages the measurement of the ambient relative humidity and allows the control with thresholds and hysteresis of humidification and dehumidification equipments.
The presence detection is based on a passive infrared sensor, it has 5 independently configurable channels with different functions that can be activated: presence with or without brightness control and with automatic or semi-automatic detection; constant brightness independent or presence dependent with automatic or semi-automatic activation. Moreover, 12 logic blocks are available to implement simple expressions with logical or threshold operator or complex expressions with algebraic and conditional operators; It's possible to use predefined algorithms as proportional controls of temperature and humidity or dew point calculation.
The device also integrates the "Virtual Holder Logic"; the field of application is the hotel room: through a magnetic sensor installed on the door and connected to a digital input (also to the sensor itself), accurate presence information is managed. The presence detection solution can deduce the presence of people in the room using one or more dedicated sensors. It also detects an unexpected presence and is able to differentiate different behaviours.
The device manages the ambient lighting based on the measured illuminance; it is also possible to enable the logic called "Circadian Rhythm" with which brightness and colour temperature are imposed on the basis of predefined curves or on the basis of the real position of the sun during the day with respect to a terrestrial coordinate. This function allows you to recreate lighting comfort in an environment as close as possible to reality.
The measurement of lighting in the environment is carried out indirectly and it is therefore necessary to carry out a calibration. The sensor is installed on the ceiling and the detected brightness may differ significantly from that of the work surface; using the ETS software it is possible to set correction parameters for the device basing on a local measurement using the lux meter. Avoid direct sunlight or artificial light radiating the sensor directly.
The SPACE BLE sensor integrates the "Utilization function" which enables functionalities for mapping space status and related usage/availability (eg occupancy index and % of utilization rates) and the "Occupancy function" that detects useful data for the processing of information related to the intensity of the activity of the occupants within the monitored areas (to generate a 'heat map' of the building areas).

Technical Features

Mechanical data	• Dimensions: Ø × H 81 x 37 mm
Mounting	• Ceiling mounting, flush-mounted, surface installation
Supply	• Via EIB/KNX bus 21 ÷ 32 V DC • Max 10 mA • Current consumption PD00E1x + IC01H10DLS: ≤ 15 mA
Input - digital mode	• For free potential contacts (dry contacts) • Max. length of Connecting Cables ≤ 30 m (twisted cable)
Input - analog mode for temperature probe	For NTC temperature probe eelectron code: • TS01A01ACC (range from -20°C to +100°C) • TS01B01ACC (range from -50°C to +60°C) • TS01D01ACC (range from -40°C to 125°C) • Max. length of Connecting Cable: ≤ 30 m (twisted cable)





BASIC - STANDARD - MULTI - SPACE

h	A	B	C
2.5 m	3.8 m	7.0 m	10.0 m
3.0 m	4.0 m	8.0 m	12.0 m
3.5 m	5.0 m	9.0 m	13.0 m
4.0 m	6.0 m	11.0 m	14.0 m

A | Person working at desk
B | Person moving to sensor
C | Person moving sideways relative to sensor

Order Codes

PD00E13KNX
KNX Space BLE presence sensor with brightness, temperature, humidity, sound sensor, usage and activity index control White

PD00E13KNX-3
KNX Space BLE presence sensor with brightness control, temperature, humidity, sound sensor, utilisation and activity index Black

PD00E00ACC
Surface mount accessory - White

PD00E00ACC-3
Surface mount accessory - Black

PD00E01ACC
Flush mount accessory

SM03E03ACC
Plug-in CO_2 + VOC + Temp - White

SM03E03ACC-3
Plug-in CO_2 + VOC + Temp - Black

SM03E02ACC
Plug-in VOC + eCO_2 + Temp - White

SM03E02ACC-3
Plug-in VOC + eCO_2 + Temp - Black

PD00E03ACC
Swiss flush mount box - White

PD00E03ACC-3
Flush mount Swiss box - Black

PD00E07ACC-1
Double square ring mounting bracket - White

PD00E07ACC-3
Double square ring mounting accessory - Black

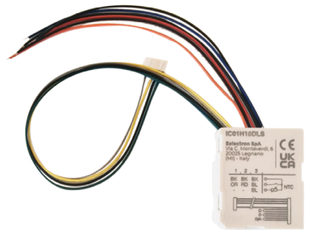
Plug-in interface

FOR E-LOCKS

The device can only work if connected to a BLE presence sensor and connects wirelessly an eLock interface (PD00E11KNX – PD00E13KNX).

The IC01H10DLS plug-in wireless door lock system interface has three inputs: two digital inputs for dry contacts and an input that can be configured as analog or digital.

The plug-in can manage up to 8 doors and allows the wiring of the three rear inputs to a device of the range of BLE presence sensors with Eelectron eLock interface for the detection of door opening / closing data and the management of a room automated KNX.



Technical Features

Mechanical data	• Dimensions: 43 x 36 x 24 mm
Supply	• Via PD00E1xKNX 21÷ 32 V DC • Max 10 mA • Current consumption PD00E1x + IC01H10DLS: ≤ 15 mA
Input - digital mode	• For free potential contacts (dry contacts) • Max. length of Cables (twisted): ≤ 30 m • Voltage Scanning: 3,3V DC
Input - analog mode for temperature probe	For NTC temperature probe eelectron code • TS01A01ACC (range from -20°C to +100°C) • TS01B01ACC (range from -50°C to +60°C) • TS01D01ACC (range from -5°C to +45°C) • Max. length of Connecting Cable: ≤ 30 m (twisted cable)

Order Codes

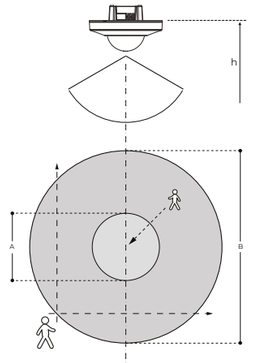
IC01H10DLS
Plug-in wireless door lock interface room level (for PD00E1xKNX)

KNX Wide Range Presence Detector

WITH LIGHTING CONTROL

The device KNX Wide Range (PD00E20KNX) is an extended range presence and motion sensor suitable for use in indoor environments where a wide range coverage is required. It is equipped with a rear connector with 2 digital inputs that can be connected to potential-free buttons or switches and used for on / off, dimming, rolling shutters or blinds / scenarios, sequences, step-by-step commands, etc. The second input can be configured as analog for the connection of NTC temperature probes (see probes eelectron code TS00A01ACC / TS00B01ACC) to send the temperature measurement on the bus or manage a complete thermostat module. The thermostat manages 2 stages with integrated PI controller for driving heating and cooling equipment, valves, 2 and 4 pipe fan coils, etc.
Presence detection, based on a passive infrared sensor, has 5 independently configurable channels with different functions that can be activated: presence with or without brightness control and with automatic or semi-automatic detection; constant brightness independent or presence dependent with automatic or semi-automatic activation. The PD00E20KNX Wide Range sensor uses 3 distinct sensing elements; by means of the ETS parameterization it is possible to assign different behaviors to the different elements.
Moreover, 12 logic blocks are available to implement simple expressions with logical or threshold operator or complex expressions with algebraic and conditional operators; It's possible to use predefined algorithms as proportional controls of temperature and humidity or dew point calculation. The device also integrates the "Virtual Holder Logic" and it is also possible to enable the logic called "Circadian Rhythm".





A	h = 2.5 m	B	h = 2.5 m
	ø = 7 m		ø = 24 m

A | Person working at the desk
B | Person moving towards the sensor

Technical Features

Mechanical data	• Dimensions: Ø × H 105 x 66.5 mm
Mounting	• Ceiling mounting, flush-mounted, surface installation
Supply	• Via EIB/KNX bus cable: 21 ÷ 32 V DC • Max 10 mA
Input - digital mode	• For free potential contacts (dry contacts) • Max. length of Connecting Cables ≤ 30 m (twisted cable)
Input - analog mode for temperature probe	For NTC temperature probe eelectron code: • TS01A01ACC (range from -20°C to +100°C) • TS01B01ACC (range from -50°C to +60°C) • TS01D01ACC (range from -40°C to 125°C) • Max. length of Connecting Cable: ≤ 30 m (twisted cable)

Order Codes

PD00E20KNX
KNX Wide Range Presence detector - lighting control - White

PD00E20KNX-3
KNX Wide Range Presence detector - lighting control - Black

PD00E05ACC
Surface mounting enclosure

SM03E03ACC-x
Plug-in sensor CO_2 + VOC + Temperature - White or black

SM03E02ACC-x
Plug-in sensor VOC + eCO_2 + Temperature - White or black

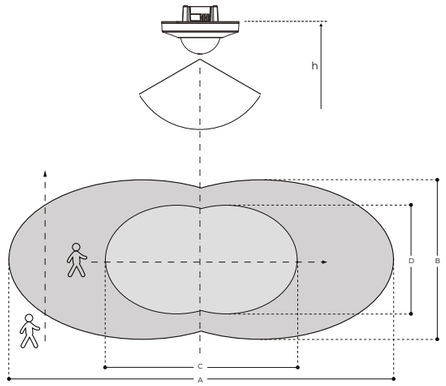
KNX Corridor
Presence Detector
WITH LIGHTING CONTROL

The device KNX Corridor (PD00E21KNX) is an extended range presence and motion sensor for corridors suitable for use in indoor environments where a wide range coverage is required. It is equipped with a rear connector with 2 digital inputs that can be connected to potential-free buttons or switches and used for on / off, dimming, rolling shutters or blinds/scenarios, sequences, step-by-step commands, etc. The second input can be configured as analog for the connection of NTC temperature probes (see probes eelectron code TS00A01ACC / TS00B01ACC) to send the temperature measurement on the bus or manage a complete thermostat module. The thermostat manages 2 stages with integrated PI controller for driving heating and cooling equipment, valves, 2 and 4 pipe fan coils, etc.

Presence detection, based on a passive infrared sensor, has 5 independently configurable channels with different functions that can be activated: presence with or without brightness control and with automatic or semi-automatic detection; constant brightness independent or presence dependent with automatic or semi-automatic activation. The PD00E21KNX Wide Range sensor uses 2 distinct sensing elements; by means of the ETS parameterization it is possible to assign different behaviors to the different elements.

Moreover, 12 logic blocks are available to implement simple expressions with logical or threshold operator or complex expressions with algebraic and conditional operators; It's possible to use predefined algorithms as proportional controls of temperature and humidity or dew point calculation. The device also integrates the "Virtual Holder Logic" and it is also possible to enable the logic called "Circadian Rhythm".





A	40 m	B	5 m
h	2.5 m	h	2.5 m
C	16 m	D	3 m
h	2.5 m	h	2.5 m

Technical Features

Mechanical data	• Dimensions: Ø × H 105 x 66.5 mm
Mounting	• Ceiling mounting, flush-mounted, surface installation
Supply	• Via EIB/KNX bus cable: 21 ÷ 32 V DC • Max 10 mA
Input - digital mode	• For free potential contacts (dry contacts) • Max. length of Connecting Cables ≤ 30 m (twisted cable)
Input - analog mode for temperature probe	For NTC temperature probe eelectron code: • TS01A01ACC (range from -20°C to +100°C) • TS01B01ACC (range from -50°C to +60°C) • TS01D01ACC (range from -40°C to 125°C) • Max. length of Connecting Cable: ≤ 30 m (twisted cable)

Order Codes

PD00E21KNX
KNX Corridor Presence detector lighting control - White

PD00E21KNX-3
KNX Corridor Presence detector lighting control - Black

PD00E05ACC
Surface mounting enclosure

SM03E03ACC-x
Plug-in sensor CO_2 + VOC + Temperature - White or black

SM03E02ACC-x
Plug-in sensor VOC + eCO_2 + Temperature - White or black

KNXSENSORS

Plug-in Sensor
CO_2 + VOC + Temperature

The code SM03E03ACC identifies the accessory of the devices code: PD00E02KNX – KNX MULTI presence detector – lighting, temperature, humidity, sound. PD00E03KNX – KNX Space presence detector- lighting, temperature, humidity, sound , occupancy and utilization.
PD00E20KNX – wide range presence detector with lighting control.
PD00E21KNX – presence detector for corridor with lighting control.

This accessory includes a temperature probe (range from -5 ° C to +50 ° C) and a CO_2 + VOC sensor.





Technical Features

Mechanical data	• Dimensions: Ø × H 81 x 37 mm
Mounting	• Ceiling mounting, flush-mounted, surface installation
Supply	• Aux supply: 9 ÷ 32 V DC 9 ÷ 24V AC • Max 5 mA
Input - digital mode	• For free potential contacts (dry contacts) • Max. length of Connecting Cables ≤ 30 m (twisted cable)
Input - analog mode for temperature probe	For NTC temperature probe eelectron code: • TS01A01ACC (range from -20°C to +100°C) • TS01B01ACC (range from -50°C to +60°C) • TS01D01ACC (range from -40°C to 125°C) • Max. length of Connecting Cable: ≤ 30 m (twisted cable)

Order Codes

SM03E03ACC
Plug-in sensor CO_2 + VOC + Temperature - White

SM03E03ACC-3
Plug-in sensor CO_2 + VOC + Temperature - Black

PD00E00ACC
Surface mounting enclosure

PD00E00ACC-3
Surface mounting enclosure - Black

PD00E01ACC
Box mounting frame

PD00E03ACC
Swiss box mounting frame - White

PD00E03ACC-3
Swiss box mounting frame - Black

PD00E07ACC-1
Double square ring mounting bracket - White

PD00E07ACC-3
Double square ring mounting accessory - Black

Plug-in Sensor
VOC + eCO_2 + Temperature

The code SM03E02ACC identifies the accessory of the devices code: PD00E02KNX – KNX MULTI presence detector – lighting, temperature, humidity, sound. PD00E03KNX – KNX Space presence detector- lighting, temperature, humidity, sound , occupancy and utilization.
PD00E20KNX – wide range presence detector with lighting control.
PD00E21KNX – presence detector for corridor with lighting control.

This accessory includes a temperature probe (range from -5 ° C to + 50 ° C) and a CO_2 sensor.





Technical Features

Mechanical data	• Dimensions: Ø × H 81 x 37 mm
Mounting	• Ceiling mounting, flush-mounted, surface installation
Supply	• Aux supply: 9 ÷ 32 V DC 9 ÷ 24V AC • Max 5 mA
Input - digital mode	• For free potential contacts (dry contacts) • Max. length of Connecting Cables ≤ 30 m (twisted cable)
Input - analog mode for temperature probe	For NTC temperature probe eelectron code: • TS01A01ACC (range from -20°C to +100°C) • TS01B01ACC (range from -50°C to +60°C) • TS01D01ACC (range from -40°C to 125°C) • Max. length of Connecting Cable: ≤ 30 m (twisted cable)

Order Codes

SM03E02ACC
Plug-in sensor VOC + eCO_2 + Temperature - White

SM03E02ACC-3
Plug-in sensor VOC + eCO_2 + Temperature - Black

PD00E00ACC
Surface mounting enclosure

PD00E00ACC-3
Surface mounting enclosure - Black

PD00E01ACC
Box mounting frame

PD00E03ACC
Swiss box mounting frame - White

PD00E03ACC-3
Swiss box mounting frame - Black

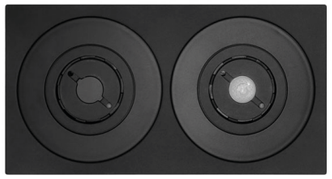
PD00E07ACC-1
Double square ring mounting bracket - White

PD00E07ACC-3
Double square ring mounting accessory - Black

Mounting Accessory
for Multi.Sensor

Double square ring mounting accessory for PD00ExxKNX and SM range available in black and white.





Technical Features

Mechanical data	• Dimensions: 180 x 95 mm

Order Codes

PD00E07ACC-1
Double square ring mounting accessory White

PD00E07ACC-3
Double square ring mounting accessory Black

Conventional Presence Detector

2 CH. CEILING MOUNTING PIR DETECTOR

The device is a ceiling flush mount PIR detector. The load will be switched on automatically when the movement is detected and the ambient light level is below the Lux setting value. Until there is no movement detected and the pre-set delay time has been expired, load will be switched off automatically. User can pre-set the desired Lux and Time values by VR or IR setting for automatic control lighting on / off with low initial cost and great energy saving potential. Can also be used in many different places for automation control. It can be widely used in home, office, conference room, classrooms, hotel, corridor, underground parking lots, etc.





Technical Features

Mechanical data	• Dimensions: (H x W x D): 64x80x80 mm
Mounting	• Ceiling mounting, surface installation
Range	• Up to Ø12 m at height of 2.5 m • Operating temperature: -20° C to +50° C
Output rate CH1 - for lighting	• Incandescent Lamp: Max. 2000 W • AC Halogen Lamp: Max. 1000 W • LV Halogen Lamp: Max. 1000 VA / 600 W (traditional Max. 1000VA / 900 W (electronics) • Fluorescent Lamp: - Max. 1000 VA / 600 W (uncompensated) - Max. 900 VA / 100 µF - 25 x (1 x 18 W); 12 x (2 x 18 W); - 15 x (1 x 36 W); 7 x (2 x 36 W); - 10 x (1 x 58 W); 5 x (2 x 58 W) • LED Lamp : Max. 400 W • Energy Saving Lamp: Max. 600 VA / 400 W (include CFL and PL lamp)
Output rate CH2 - for Automation Control	• (Lux is invalid): - Max. 5 A (cos ϕ = 1) for 250V AC - Max. 5 A for 30 V DC - Max. 1A (cos ϕ = 0.4) for 250V AC

Order Codes

PD02X01CON
Presence and light sensor 2 channels 230 V AC - ø 12m

PD02X01ACC
Surface mounting enclosure for PD02X01CON

PD02X02CON
Presence and light sensor 2 channels 230 V AC - ø 24m

KNX Parking outdoor PIR motion detector IP54



The PD00F01KNX is an outdoor PIR motion detector designed for integration into KNX TP systems and intended for the automatic control of lighting, HVAC, and alarm functions. Power is supplied via the bus with a voltage of 21–30 VDC, with a current consumption of approximately 10 mA during operation and 5 mA in standby. The device provides five output channels: two for lighting, two for HVAC, and one dedicated to the alarm.

The lens offers 360° coverage up to 32 m (16 m radius at a height of 2.5 m), with sensitivity adjustable in four levels via ETS. The sensor includes ambient light measurement from 10 to 2000 lux, enabling control logics based on illuminance and functions such as constant light control, 2-level mode (Standby Light), and intelligent delays to prevent unwanted switching caused by rapid changes in brightness.

Configuration via ETS allows the setting of Auto/Semiauto modes, Test mode, Master/Slave operation, timing parameters, and intervention thresholds. The device also supports defining the number of movements required to trigger the alarm.

The white plastic housing ensures IP55 protection for wall mounting and IP54 for ceiling mounting, providing resistance to weather conditions. Installation is facilitated by an anti-drop base, removable terminals, and the possibility of mounting on walls, ceilings, corners, or European junction boxes. Three lens shields are supplied to adjust the detection area.

The PD00F01KNX is a complete and configurable solution for intelligent outdoor control, offering high detection performance and native integration within the KNX environment.

Technical Features

Mechanical data	• Dimensions: 166 x 90 x 84mm
Mounting	• Ceiling mounting, wall mount
Detection Range	• 360°, up to 32m (R=16m) at height of 2.5m
Output	• 5 channels (2 channels for lighting, 2 channels for HVAC and 1 channel for alarm)
Environmental Protection	IP55 (wall mount) IP54 (ceiling mount)

Order Codes

PD00F01KNX
KNX Parking outdoor PIR motion detector IP54

Energy Meter

SINGLE PHASE - MID

The device PM10E02IRE – Single-phase Digital Energy meter – Direct connection 80A integrates all the measurement functions necessary to monitor a single-phase electrical installation:

- 0.25-5 (80) A, Class B, 230 V AC 50 Hz, -25 °C ÷ +55 °C, 4 Quadrants, 2 Tariffs
- Active Energy Class B (according to EN-50470) and Reactive Energy Class 2 (according to IEC 62053-23)
- Direct connected (up to 80A)
- Backlightet LCD display and 3 push-button keys (to read Energies, V, I, PF, F, P, Q and to configure some parameters)
- Display with 8 digits.
- Self supplied (by the input voltage itself)
- DIN modules width (36 mm)
- 2 Tariffs controlled by a 230 V AC digital input
- 2 S0 standard low voltage pulse outputs MID certified





Technical Features

Mechanical data	• Dimensions: 2 DIN Modules (PM10E02IRE) • Dimensions: 1 DIN Module (PM00A00IRI)
Supply	• Via EIB/KNX bus cable: 21 ÷ 32 V DC • Operating supply voltage range: 92 ÷ 276V AC • Reference current 5 A / max current 63A / min. current 0.25 A / starting current 0.015 A • Nominal frequency 50 Hz / frequency range: 45 ÷ 65 Hz • Max Power consumption (voltage circuit) < 2VA (1 W)
Functionality	• Connection to single-phase network (2-wires) • Tariff for active and reactive energy: n° 2 - T1 / T2
Overload capability	• Permanent voltage 276V AC / temporary (1 s) 300V AC • Permanent current 63 A / temporary (10 ms) 1890A
Protective class	Class II

Order Codes

PM10E02IRE
Energy meter single phase 80A - MID

PM00A00IRI
KNX interface for energy meters

Energy Meter

ENERGY METER **THREE-PHASE**
ENERGY METER 80A – MID

Devices provide all relevant measures for the evaluation of an electrical network: I, U, PF, F, THD%, Powers (displayed for each phase and 3 phase), and Imported/Exported Active/Reactive Energies.

- Direct connection (80A)
- Current range 0.25-5(80) A
- 2 tariffs and with IR lateral communication available
- 2 S0 Pulse outputs **MID certified**

Devices are intended to be installed on DIN rail.





Technical Features

Mechanical data	• Dimensions: 4 DIN Modules • Dimensions: 1 DIN Module
Supply	• Via EIB/KNX bus cable: 21 ÷ 32 V DC • Reference voltage Line to Neutral: 230 V AC • Reference voltage Line to Line: 400V AC • Operating supply voltage range: 92 ÷ 276 / 160 ÷ 480V AC • Reference current 5 A / maximum current 63 A / minimum current 0.25 A / starting current 0.015 A • Nominal frequency 50 A / frequency range: 45 ÷ 65 Hz • Max Power consumption (voltage circuit) ≤2 VA (0.6 W)
Functionality	• Connection to three-phase network (4-wires) • Tariff for active energy: n° 2 - T1 / T2
Overload capability	Voltage: • continuous phase-phase 480V AC • 1 second phase-phase 800V AC • continuous phase-N 276V AC • 1 second phase-N 300V AC Current: - continuous 80A - 10ms 2400 A

Order Codes

PM30E01IRE
Energy meter three phase 80A - MID

PM00A00IRI
KNX interface for energy meters

Energy Meter

ENERGY METER **THREE PHASE WITH EXTERNAL TA** 1-5A – MID

Devices provide all relevant measures for the evaluation of an electrical network: I, U, PF, F, THD%, Powers (displayed for each phase and 3 phase), and Imported/Exported Active/Reactive Energies.

- Direct connection (80A)
- Current range 0.25-5(80) A
- 2 tariffs and with IR lateral communication available
- 2 S0 Pulse outputs **MID certified**

Devices are intended to be installed on DIN rail.





Technical Features

Mechanical data	• Dimensions: 4 DIN Modules • Dimensions: 1 DIN Module
Supply	• Via EIB/KNX bus cable: 21 ÷ 32 V DC • Reference voltage Line to Neutral: 230 V AC • Reference voltage Line to Line: 400V AC • Operating supply voltage range: 92 ÷ 276 / 160 ÷ 480V AC • Reference current 1A / maximum current 6A / minimum current 0.01A / starting current 0.001A • Max CT ratio 10000/5 A or 2000/1A; ratio adjusting step 5 or 1A • Nominal frequency 50 A / frequency range: 45 ÷ 65 Hz • Max Power consumption (voltage circuit) ≤2 VA (0.6 W)
Functionality	• Connection to three-phase network (4-wires) • Tariff for active energy: n° 2 - T1 / T2
Overload capability	Voltage: • continuous phase-phase 480V AC • 1 second phase-phase 800V AC • continuous phase-N 800V AC • 1 second phase-N 300V AC Current: - continuous 6A - 0,5 ms 120A

Order Codes

PM30E02IRE
Energy meter three phase with ext. ta 1-5A - MID

PM00A00IRI
KNX interface for energy meters

KNX Time/Astronomical Master

ES01A00KNX is a digital electronic switch for time management of electrical utilities. It allows time programming (daily, weekly or yearly) or astronomical. ES01A00KNX can control 9 different channels on bus KNX. The programming of channel 1 is also replicated on the relay located on the device. Each channel can be associated with a different programming (time or astronomical). ES01A00KNX also offers the possibility of connecting via BUS a GPS module, ES01A00ACC (available as an accessory), which allows the acquisition of the time and the position through the satellite system, ensuring greater accuracy over time. The backup battery allows you to keep the settings even in case of blackout and can be replaced through the cover (sealable).



Technical Features

Mechanical data	• Dimensions: 3 DIN Modules
Supply	• Via EIB/KNX bus cable: 21 ÷ 32 V DC • Auxiliary supply: 115 ÷ 230 V AC 50/60 Hz
Output rate	• Capacity at 250V AC 16A • Lamp loads • Incandescent lamps 2000 W • Fluorescent lamps (compensated) 250 VA • Low voltage halogen lamps 11000 VA • Halogen lamps at 240 V 2000 W • Low consumption lamps (CFL) 200 VA • Low consumption lamps (Downlights) 200 VA • LED 25VA

Order Codes

ES01A00KNX
KNX time/astronomical master



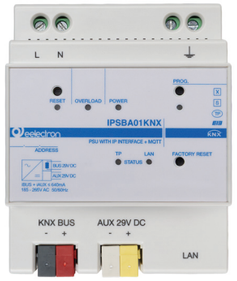
Order Codes

ES01A00ACC
Additional GPS module for ES01A00KNX

Bridge

KNX BRIDGE WITH IP INTERFACE AND POWER SUPPLY
KNX + AUX 640MA - MQTTS

The IPSBA01KNX device integrates a KNX power supply with auxiliary output with a total current of 640mA, and an IP interface, allowing KNX installations to be implemented quickly and efficiently. Device can be linked to a Cloud platform, through MQTT protocol, and share relevant data detected from connected KNX devices. The voltage of the bus output as well as that of the auxiliary output is 30 V DC. The device is compact having a size of only 4 DIN modules. The KNX IP interface allows you to connect a KNX network to an IP backbone; the IP address can be obtained via DHCP server or manually configured via ETS®. The device works in accordance with the KNXnet / IP specifications; up to 5 different IP addresses can be assigned. The device is also a KNX bus node, with its own application program and can be configured with ETS® to communicate using KNX Data Secure protocol. Logic blocks are available to implement simple expressions with logical or threshold operator or complex expressions with algebraic and conditional operators; It's possible to use predefined algorithms as proportional controls of temperature and humidity or dew point calculation. The device also integrates the "Virtual Holder Logic"; the field of application is the hotel room: through a magnetic sensor installed on the door and connected to a digital input (also to the sensor itself), accurate presence information is managed. The presence detection solution can deduce the presence of people in the room using one or more dedicated sensors. It also detects an unexpected presence and is able to differentiate different behaviours. It is also implemented the control logic called "OnLine-OffLine" that checks all KNX TP devices of the subnet connected to the power supply are operating "On Line", alerting the backbone if one of them goes into "Off Line" status. On the device there are pushbuttons and signaling LEDs for bus reset operations as well as for Factory Reset or for displaying activity on the KNX bus and on the IP backbone. The device is intended for installation on DIN bar in LV distribution switchboards.



Technical Features

Mechanical data	• Dimensions: 4 DIN Modules
Supply	• Input voltage: 180 ..264 V AC, 50/60 Hz • Output voltage: DC 30V (SELV) • Output current: 640 mA (KNX+AUX)

Order Codes

IPSBA01KNX
KNX Bridge with IP interface and power supply KNX + AUX 640mA - MQTTs

SYSTEMCOMPONENTS

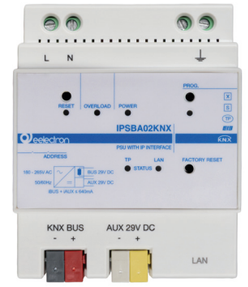
Bridge

KNX BRIDGE WITH IP INTERFACE AND POWER SUPPLY KNX + AUX 640MA

The IPSBA02KNX device integrates a KNX power supply with auxiliary output with a a total current of 640mA, and an IP interface, allowing KNX installations to be implemented quickly and efficiently. The voltage of the bus output as well as that of the auxiliary output is 29V DC.
The IP address can be obtained via DHCP server or manually configured via ETS®. The KNX power supply with IP interface works in accordance with the KNXnet / IP specifications; up to 5 different IP addresses can be assigned. The device is also a KNX bus node, with its own application program and can be configured with ETS® to communicate using KNX Data Secure protocol. By enabling the ETS "Other power supplies on the BUS line" parameter, it is possible to install two devices on the same bus line, at a minimum distance of 200 metres.

Moreover, 48 logic blocks are available to implement simple expressions with logical or threshold operator or complex expressions with algebraic and conditional operators; It is possible to use predefined algorithms as proportional controls of temperature and humidity or dew point calculation. The device also integrates the "Virtual Holder Logic"; the field of application is the hotel room: through a magnetic sensor installed on the door and connected to a digital input, accurate presence information is managed. The presence detection solution can deduce the presence of people in the room using one or more dedicated sensors. It also detects an unexpected presence and is able to differentiate different behaviours.

It is also implemented the control logic called "OnLine-OffLine" that checks if KNX TP devices (up to 128) of the subnet connected to the power supply are operating "On Line", alerting the backbone if one of them goes into "Off Line" status.



Technical Features

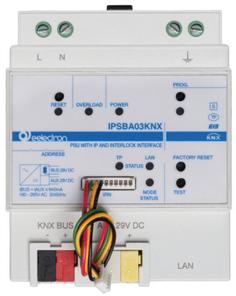
Mechanical data	• Dimensions: 4 DIN Modules
Supply	• Input voltage: 180 ..264 V AC, 50/60 Hz • Output voltage: DC 30V (SELV) • Output current: 640 mA (KNX+AUX)

Order Codes

IPSBA02KNX
KNX Bridge with IP interface and power supply KNX + AUX 640mA

Bridge

KNX BRIDGE WITH SALTO INTERFACE, IP INTERFACE AND POWER SUPPLY KNX + AUX 640MA



The IPSBA03KNX device integrates a KNX power supply with auxiliary output with a a total current of 640mA, and an IP interface, allowing KNX installations to be implemented quickly and efficiently.

The voltage of the bus output as well as that of the auxiliary output is 29V DC. The IP address can be obtained via DHCP server or manually configured via ETS®. The device works in accordance with the KNXnet / IP specifications; up to 5 different IP addresses can be assigned. The device is also a KNX bus node, with its own application program and can be configured with ETS® to communicate using KNX Data Secure protocol.

By enabling the ETS “Other power supplies on the BUS line” parameter, it is possible to install two devices on the same bus line, at a minimum distance of 200 metres. The bridge also has an input for wiring an inRoomNode (IRN) module for wireless control of SALTO® locks. Moreover, 48 logic blocks are available to implement simple expressions with logical or threshold operator or complex expressions with algebraic and conditional operators; It is possible to use predefined algorithms as proportional controls of temperature and humidity or dew point calculation. The device also integrates the “Virtual Holder Logic”; the field of application is the hotel room: through a magnetic sensor installed on the door and connected to a digital input, accurate presence information is managed. The presence detection solution can deduce the presence of people in the room using one or more dedicated sensors. It also detects an unexpected presence and is able to differentiate different behaviours. It is also implemented the control logic called “Surveillance” that checks if KNX TP devices (up to 128) of the subnet connected to the power supply are operating “On Line”, alerting the backbone if one of them goes into “Off Line” status.

On the device there are pushbuttons and signaling LEDs for bus reset operations as well as for Factory Reset or for displaying activity on the KNX bus and on the IP backbone. There is also a test button for the simulation of the opening/closing of the locks.

The device is compact, with a size of only 4 DIN modules and is intended for installation on DIN bar in LV distribution switchboards.

Technical Features

Mechanical data	• Dimensions: 4 DIN Modules
Supply	• Input voltage: 180 ..264 V AC, 50/60 Hz • Output voltage: DC 29V (SELV) • Output current: 640 mA (KNX+AUX)

salto
INSPIRED ACCESS

Order Codes

IPSBA03KNX
KNX Bridge with SALTO Interface, IP Interface and power supply KNX + AUX 640mA

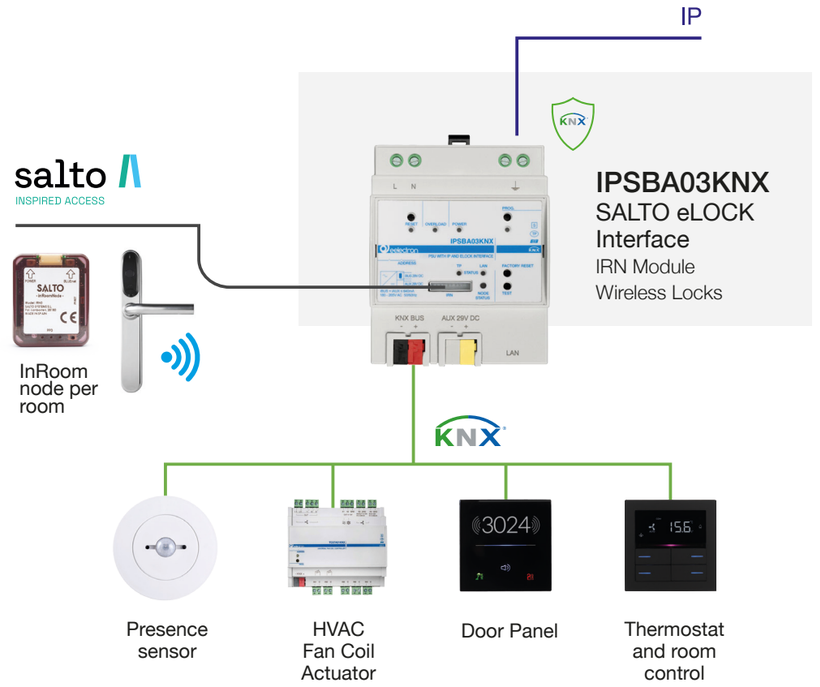
Projects installing IPSBA03KNX require eelectron software codes:

SW02S01LIC Licence Software to interface Salto Server - per room / until 50 - HW not included

SW02S02LIC Licence Software to interface Salto Server - extension per room / from 51 to 1000 - HW not included

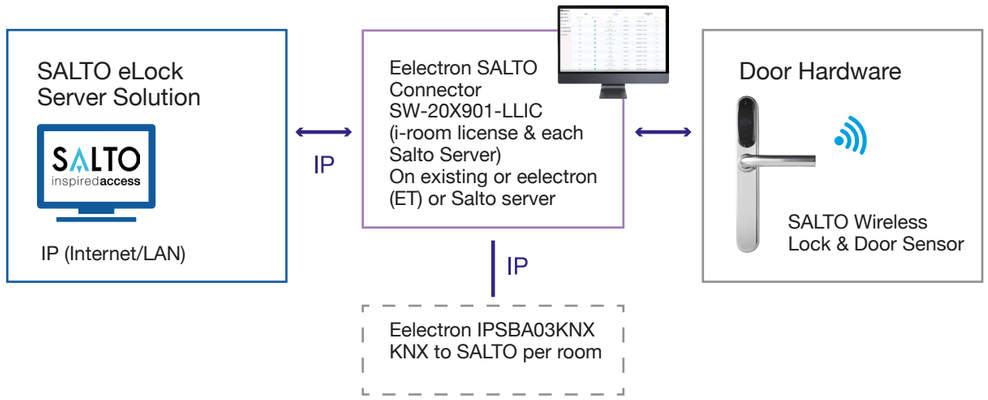
SYSTEMCOMPONENTS

Bridge layout with eLOCK interface



Integrated Logic
- Temperature Control
- Humidity Control
- Dew Point Calculation
- Conditional Logic

Room Presence Management
- Virtual Holder
- Real vs Accidental Presence
- Door Sensor & Environmental Sensors



Bridge

KNX BRIDGE WITH IP INTERFACE AND POWER SUPPLY
KNX + AUX 640MA - MQTTS + MODBUS CONNECTIVITY

The IPSBA04KNX device integrates a KNX power supply with auxiliary output with a a total current of 640mA, and an IP interface, allowing KNX installations to be implemented quickly and efficiently. The voltage of the bus output as well as that of the auxiliary output is 29V DC. The IP address can be obtained via DHCP server or manually configured via ETS®. The device works in accordance with the KNXnet / IP specifications; up to 5 different IP addresses can be assigned. The device is also a KNX bus node, with its own application program and can be configured with ETS® to communicate using KNX Data Secure protocol. By enabling the ETS® “Other power supplies on the BUS line” parameter, it is possible to install two devices on the same bus line, at a minimum distance of 200 metres. The device integrates the MQTT protocol in client mode, which can manage publications and subscriptions of a server up to 160 objects. By enabling the specific parameter on ETS, the MQTT version with TLS is available, which features mutual authentication based on certificate (server and device) and encryption. Moreover, 48 logic blocks are available to implement simple expressions with logical or threshold operator or complex expressions with algebraic and conditional operators; It is possible to use predefined algorithms as proportional controls of temperature and humidity or dew point calculation. The device also integrates up to 8 the “Virtual Holder Logic”; the field of application is the hotel room: through a magnetic sensor installed on the door and connected to a digital input, accurate presence information is managed. The presence detection solution can deduce the presence of people in the room using one or more dedicated sensors. It also detects an unexpected presence and is able to differentiate different behaviours. It is also implemented the control logic called “Surveillance” that checks if KNX TP devices (up to 128) of the subnet connected to the power supply are operating “On Line”, alerting the backbone if one of them goes into “Off Line” status. On the device there are pushbuttons and signaling LEDs for bus reset operations as well as for Factory Reset or for displaying activity on the KNX bus and on the IP backbone. There is also a test button for the simulation of the opening/closing of the locks.
The device is compact, with a size of only 4 DIN modules and is intended for installation on DIN bar in LV distribution switchboards.

Technical Features

Mechanical data	• Dimensions: 4 DIN Modules
Supply	• Input voltage: 180 ..265V AC, 50/60 Hz • Output voltage: DC 29V (SELV) • Output current: 640 mA (KNX+AUX)



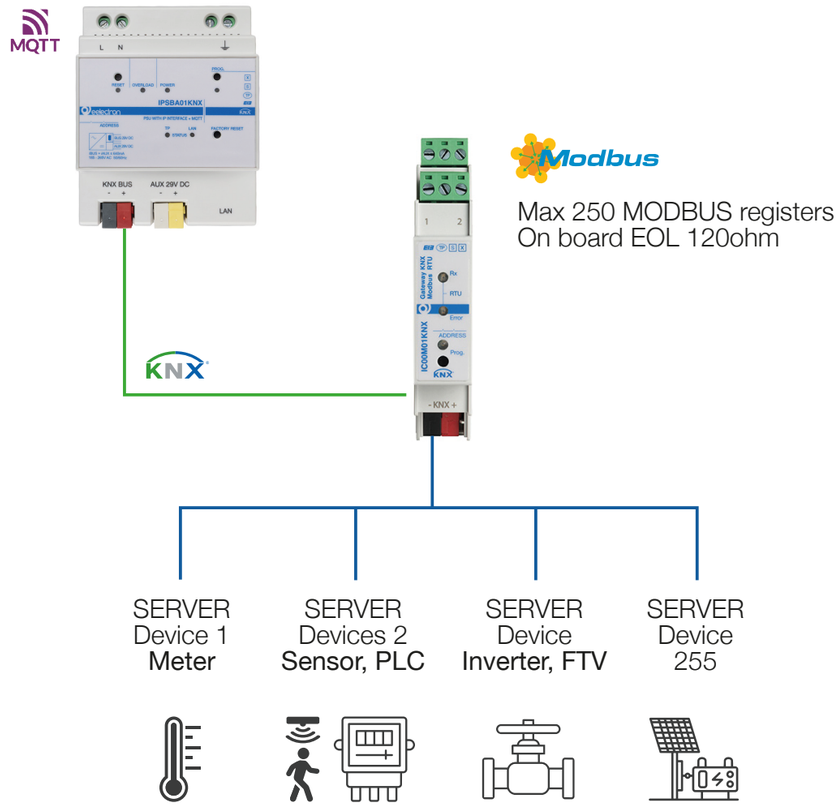


Order Codes

IPSBA04KNX
KNX Bridge with IP interface and power supply KNX + AUX 640mA - MQTTs + Modbus connectivity

IC00M01ACC
KNX-Modbus RTU Accessory for Bridge IPSBA04

Bridge layout with IP interface



(Client/Server naming is replacing Master/Slave)

Power Supply
640 mA

Power supply for generating bus voltage on a line with a maximum current of 640 mA. With integrated choke to decouple the power supply voltage from the bus. Connection with screw terminals.
Mounting on DIN rails EN 50022. Bus connection via bus terminal.



Technical Features

Mechanical data	• Dimensions: 3 DIN Modules
Supply	• Input voltage: 180 ÷ 264 V AC • Output voltage: Rated voltage 30 V DC • Output current: Rated current 640 mA

Order Codes

PS00D03KNX
Power Supply 640 mA
Rated voltage AC 180 ÷ 264V
- 50 ÷ 60HZ

Power Supply
1280 mA

The power supply unit PS00D04KNX provides the system power necessary for the KNX/EIB bus. The connection to the bus line is via the bus connection block located on the front side. The integrated choke prevents the data telegrams from short-circuiting on the bus line. When the built-in reset button is operated (press the RESET button for at least 20 seconds to reset the KNX Bus), the bus devices are returned to their initial state. For each bus line, at least one power supply unit PS00D04KNX is needed. Up to two power supply units may be attached to a single bus line. The distance between power supply unit PS00D04KNX and any of its bus devices must not exceed 350 m. The power supply unit PS00D04KNX has a voltage and current regulation and is therefore short-circuit proof. Short power failures can be bridged with a backup interval of approximately 200 ms. The power supply unit PS00D04KNX can supply DC 30V power from an additional pair of terminals.



Technical Features

Mechanical data	• Dimensions: 4 DIN Modules
Supply	• Input voltage: AC 180 ÷ 264V, 50 / 60 Hz • Output voltage: DC 30V (SELV) • Output current: 1280 mA

Order Codes

PS00D04KNX
Power Supply 1280 mA
Rated voltage AC 180 ÷ 264V
- 50 ÷ 60HZ

Power Supply
640 mA

The power supply unit PS00E03KNX provides the system power necessary for the KNX/EIB bus. The connection to the bus line is via the bus connection block located on the front side. The integrated choke prevents the data telegrams from short-circuiting on the bus line. When the built-in reset button is operated, the bus devices are returned to their initial state. For each bus line, at least one power supply unit PS00E03KNX is needed. Up to two power supply units may be attached to a single bus line. The distance between power supply unit PS00E03KNX and any of its bus devices must not exceed 350 m. The power supply unit PS00E03KNX has a voltage and current regulation and is therefore short-circuit proof. Short power failures can be bridged with a backup interval of approximately 200ms. The power supply unit PS00E03KNX can supply 30 V DC power from an additional pair of terminals.



Technical Features

Mechanical data	• Dimensions: 5 DIN Modules
Supply	• Input voltage: 180 ÷ 264 V AC • Output voltage: Rated voltage 30 V DC • Output current: Rated current 640 mA

Order Codes

PS00E03KNX
Power Supply 640 mA
Rated voltage AC 180 ÷ 264V
- 50 ÷ 60HZ

Surveillance Module KNX

The LM00B01KNX logic module permits to monitor the status of the devices connected to a BUS line.
It is possible to enable the notification mode of the correct functionality of the device via a communication object.

256 surveillance blocks are available through which 3 basic functions can be activated individually or in different combinations: Alive, Alarm and Warning.

- The “On line” function sends a message on the bus as long as the monitored device is active on the bus.
- The “Alarm” function sends an alarm message when the monitored device does not send any message for a time exceeding the surveillance time.
- The “Warning” function can be used to prompt the monitored device.

A little before the alarm is sent, a reading value is generated on the communication object that must be connected to a readable group object of the monitored device (for ex. temperature, a status).

Moreover, 16 logic blocks are available to implement simple expressions with logical or threshold operator or complex expressions with algebraic and conditional operators; It is possible to use predefined algorithms as proportional controls of temperature and humidity or dew point calculation.

For greater security, it is possible to install two LM00B01KNX logic modules on the same BUS line, configuring them as primary and secondary. When the primary device goes out of service, the secondary takes over control of the line; when the operation of the primary device resumes, the secondary returns to the control status of the primary device only. Device is equipped with KNX communication interface and is intended for installation on DIN rail in LV distribution switchboards.



Technical Features

Mechanical data	• Plastic enclosure: PC-GF • Dimensions: DIN rail / 1 • Module Weight: ca. 40 g
Supply	• Via EIB/KNX cable 21 ÷ 32 V DC • Max 5 mA

Order Codes

LM00B01KNX
Surveillance Module KNX

KNX-IP Interface

The KNX IP Interface IN00S01IPI is a compact interface used to connect a PC to the KNX network. The connection is made through LAN (IP). Power is supplied via the KNX bus. The IP address can be obtained by a DHCP server or by manual configuration (ETS®) respectively. This device works according to the KNXnet/IP specification using the core, the device management and the tunneling part. The device supports KNX Security which can be enabled in ETS. With its interface functionality (tunneling) KNX security prevents from unauthorized access. The buttons are for diagnostic purposes. The LEDs indicate the operating status and communication errors on the bus.



Technical Features

Mechanical data	• Dimensions: 1 DIN Modules
Supply	• Via EIB/KNX bus cable: 21 ÷ 32 V DC • Max 20 mA
Lan connection	• RJ-45 socket • Up to 8 simultaneous tunneling connection

Order Codes

IN00S01IPI
KNX - IP Interface

Router IP-KNX
INTERFACE

With the KNX / IP router, a bidirectional communication among more KNX bus lines is possible through LAN networks. If the device is connected to a PC with an appropriate software (for example, ETS), it can also be used like a programming interface for KNX bus system. The IP address can be dynamically assigned via a DHCP server, or manually configured using ETS parameters. Communications are made in accordance with KNXnet / IP specifications. During the data transfer, it is possible to configure a filter table and keep up to 150 messages in the “buffer” memory.



Technical Features

Mechanical data	• Dimensions: 1 DIN Modules
Supply	• Via EIB/KNX bus cable: 21 ÷ 32 V DC • Max 20 mA
Lan connection	• RJ-45 socket • Up to 8 simultaneous tunneling connection

Order Codes

IN00S01RIP
Router IP-KNX Interface

KNX - Line Coupler

INTERFACE

The KNX Line Coupler LC00S01KNX Secure is a KNX line coupler in a compact design. It connects two KNX bus segments (for example, a KNX line with a KNX area).The device has an extended filter table for main group 0...31 and ensures a galvanic isolation between the lines. The coupler supports KNX Data Security and KNX Long Frames. It is compatible with the ETS® software ETS 5 or higher. The functionality of Security Proxy and Segment Coupler is only supported with the ETS 6 database.The buttons on the front panel allow disabling the telegram filter for testing purposes. The LEDs indicate operating conditions as well as communication errors on the KNX bus.The power is supplied via the KNX bus (main line).



Technical Features

Mechanical data	• Dimensions: 1 DIN Modules
Supply	• KNX main line approx. 5 mA • KNX sub line approx. 3 mA
Connectors	• Connectors Connector for KNX-TP main line • Connector for KNX-TP sub line

LC00S01KNX
DIN Rail BUS Coupler unit - KNX

DIN Rail USB KNX

INTERFACE

The KNX USB IN00C01USB Interface is a data interface between a PC or laptop and the KNX installation bus.

It can be used as a programming interface for ETS® Software Version 5 (or higher) and supports KNX long frames. Long telegrams enable a faster download to devices that can receive these telegrams.

The LEDs on the device indicate the operating status and communication errors on the bus. The USB connector is galvanic isolated from the KNX® bus.



Technical Features

Mechanical data	• Dimensions: 1 DIN Modules
Supply	• USB < 15 mA • KNX < 3 mA
Connectors	• Connector for KNX TP Bus (red/black) • USB: Connector type C • Max. cable length: 5 m

Order Codes

IN00C01USB
USB-KNX Interface - Type C

Weather Station Plus

KNX

Measurement and evaluation of weather data: Wind speed, Wind direction, Precipitation, Brightness, Global radiation Twilight, Temperature, Relative air humidity and Air pressure

- Installation on the outside of buildings, preferable in the roof and facade area
- Operation with additional power supply Product characteristics
- Integrated GPS/GLONASS receiver for automated positioning
- Calculation of additional weather data: Absolute air humidity, chill temperature, comfort
- Function for shading control
- Integrated KNX bus coupling unit
- Measurement data acquisition and limit value monitoring
- Software logic modules for linking events
- Integrated heating



Technical Features

Mechanical data	• Dimensions: Ø×H 130×68 mm
Supply	• Via EIB/KNX bus cable: 21 ÷ 32 V DC • Auxiliary power supply: 21 ÷ 32 V DC, Current consumption 100 ÷ 400 mA (dependent on the weather)
Degree of protection	• IP44

Order Codes

WS00A01KNX
Weather Station KNX Plus

PS00T24TRA
Transformer AC 230 V-12/24 VAC 24 VA

KNX
BUS CABLE

It is used for installation in “smart” building applications. Guarantees perfect communication in accordance with specifications established by EIB / KNX, and is suitable for applications with fixed wiring inside channels and under plaster.



Technical Features

Inner Conductor	• Solid bare copper wire
Construction	• 1 x 2 x 0,8 or 2 x 2 x 0,8 mm
Dielectric	• Low smoke zero halogen fire retardant compound (LSZHFRNC)
Colours	• Red, black or red, black, yellow, white
Outer Jacket	• Low smoke zero halogen fire retardant compound (LSZHFRNC)
Classified	• CEI 20-11 M1
According to	• IEC 60332-1, IEC 61034-1= IEC 61034-2
Diameter	• 5,20 mm ± 0,20 colour
Colour	• Green (RAL 6018)
Risk Class	• Classe Eca – CPR UE 305/2011

Order Codes

CV00A01KNX
KNX Bus cable 1x2x0,8 - 100 MT

CV00A02KNX
KNX Bus cable 2x2x0,8 - 100 MT

KNX Connector
RED / BLACK

BUS Connector Red / Black for EIB / KNX, with direct plug connection. They can be connected up to 4 pairs of wires to a KNX device, it can also be used as a branch terminal.



Technical Features

Dimension	• (H. x W. x D.) 11.5 x 10 x 10 mm
Features	• Wire 22 to 18 AWG (0.6 - 1 mm) • EN detected voltage 100V • Rated current 6A • Stripping length from 5 to 6 mm

Order Codes

WG00A01ACC
KNX Connector Red / Black Box 100 pcs.

Miniature LED Lamps
3V BLUE OR WHITE

Packages of 20 or 60 pcs. LED with Blue or White light 3V wired red/black.



Dimension	• 3 mm x 4.3 mm (width and height) and 3.85 mm (radius) • Current: 20 mA • Reverse Voltage: 5V • Luminous Intensity: 4000 Min - Max 9000 mcd

LD00A01ACC
Miniature LED Lamps Blue 3V 20 pcs.

LD00A11ACC
Miniature LED Lamps White 3V 20 pcs.

Temperature Probe
INTERNAL/ EXTERNAL



Order Codes

TS01A04ACC
Temperature probe
4 pcs.

TS01B04ACC
External temperature probe
4 pcs.

TS01C01ACC
External temperature probe
metal case
1 pc.

For more information, visit www.eelectron.com

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From device layer to user experience.

Eelectron integrates hardware technologies, system control and advanced supervision to create a unified Smart Building Ecosystem.

With the contribution of IPAS and xxter, the platform combines reliability, scalability and advanced user interaction.

KNX Bluetooth DALI MQTT matter ItalianDesign

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