



**eeelectron<sup>®</sup>**

Building & home evolution

PRODUCTS CATALOGUE





Eelectron is an Italian company that manufactures electronic devices, hardware and software on KNX and Bluetooth standard.

Its product range addresses building automation, hotel automation and home evolution sectors with a deep focus on complex environments management and experience in integrated solutions.

Eelectron's philosophy of comprehensive aesthetic design and engagement in developing highly innovative devices combines with KNX interoperability and compliance with the most stringent international quality standards.

Eelectron's experience is at the user's service for demanding clients that require training activities, assistance on products and continuous development that focuses on emerging needs and applications, energy saving and achievement of simple and efficient solutions for the benefit of occupants and managers.

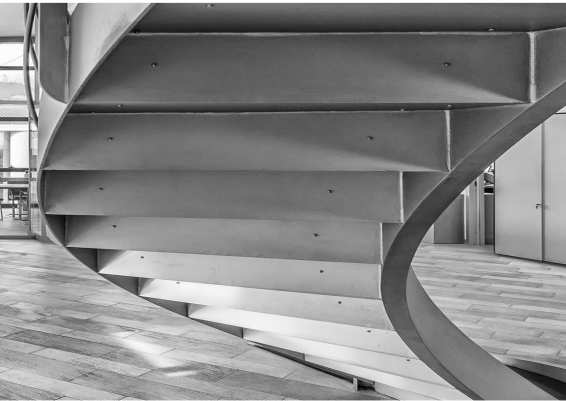
Today Eelectron is leading the market by following his roots and including new technologies.



Eelectron SpA is a Training Center certificated by KNX Association. For more informations concerning our courses, check our site:

[www.eelectron.com](http://www.eelectron.com)





Shareholder of KNX Association since 2005, Eelectron is an example of technological leadership in the application of the common European standard protocol.

The EIB/KNX technology standard is now the most widely used in the field of control for buildings with service and residential uses, covering more than 10,000 devices produced by some 130 leading manufacturers in electronics / devices, and more than 12 million nodes installed worldwide.

KNX is approved by:

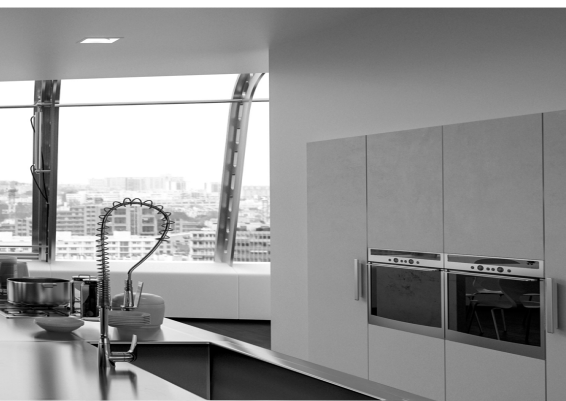
- European Standard (CENELEC EN 50090, CEN EN CEN 13321-1 and EN 1332-2 “KNXnet / IP”)
- International Standard (ISO / IEC 14543-3)
- Chinese Standard (GB / Z 20965)
- U.S. Standard (ANSI / ASHRAE 135)



It allows to combine Comfort and Savings, with long term investment protection, freedom of service provision and constant Technology Evolution.

Thanks to the KNX standard technology, various integrations are available on the system; therefore, together with Eelectron’s know-how, various technical requirements can be addressed.

KNX flexibility offers the possibility to add or reprogram new devices after installation and meets the needs of completion in renovations or extensions.



For more information see the Konnex website at:

[www.knx.org](http://www.knx.org)

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# Design Controls

Research, development, design, production. Made in Italy

## 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.

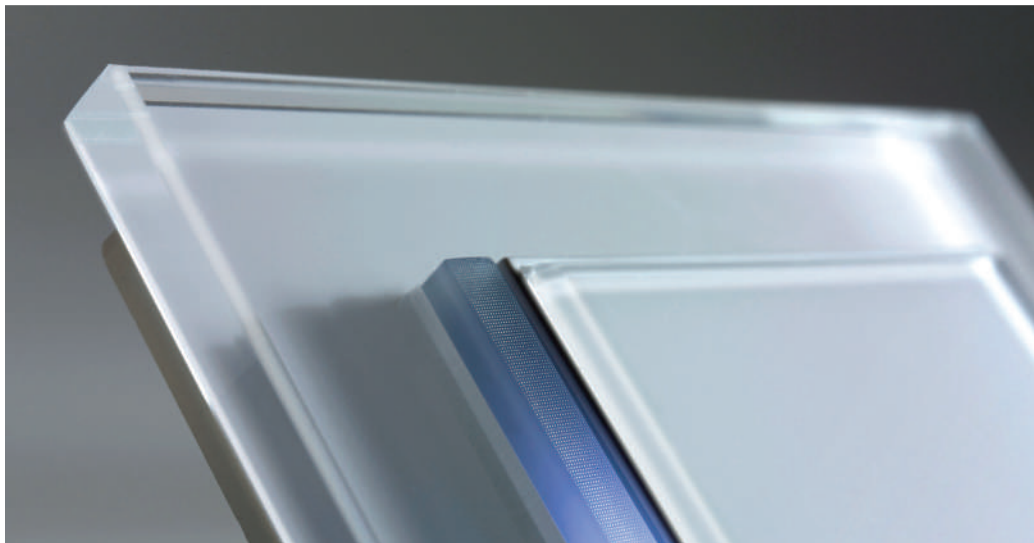
DESIGN PLUS  
powered by light+building



## 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 horny and environmental world

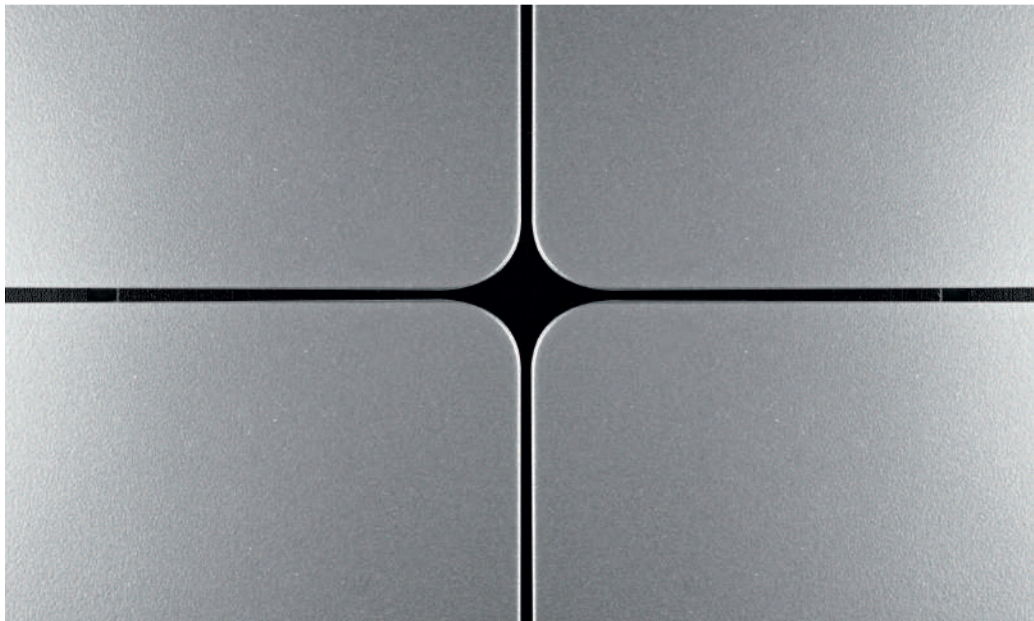
A product range dedicated to democratic, smart and creative design.

To the interaction between users and lighting control, energy saving, temperature control, entertainment.

DESIGN PLUS  
powered by light+building



reddot design award  
winner 2012



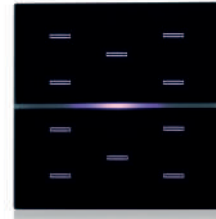
# KNX Capacitive Switch

The KNX® 9025 switch range consists of 2 – 4 – 6 - 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 or TS01B01ACC - 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: STANDARD and RGB; 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.

## 2 Modules Version



### Order Codes

#### KNX Capacitive Switch Boards

##### CS10A01KNX-1

KNX Capacitive switch - White

##### CS10A01KNX-3

KNX Capacitive switch - Black

#### Standard Range Covers

##### 9025GL02A01

Glass 2 channels - White

##### 9025GL04A01

Glass 4 channels - White

##### 9025GL06A01

Glass 6 channels - White

##### 9025GL08A01

Glass 8 channels - White

##### 9025GL10A01

Glass 10 channels - White

##### 9025GL02A03

Glass 2 channels - Black

##### 9025GL04A03

Glass 4 channels - Black

##### 9025GL06A03

Glass 6 channels - Black

##### 9025GL08A03

Glass 8 channels - Black

##### 9025GL10A03

Glass 10 channels - Black

#### RGB Range Covers

##### 9025GL02B01

Glass 2 channels - White

##### 9025GL04B01

Glass 4 channels - White

##### 9025GL06B01

Glass 6 channels - White

##### 9025GL08B01

Glass 8 channels - White

##### 9025GL10B01

Glass 10 channels - White

##### 9025GL02B03

Glass 2 channels - Black

##### 9025GL04B03

Glass 4 channels - Black

##### 9025GL06B03

Glass 6 channels - Black

##### 9025GL08B03

Glass 8 channels - Black

##### 9025GL10B03

Glass 10 channels - Black

#### CUSTOM Standard Range

##### 9025GL10C01

Custom glass - White

##### 9025GL10C03

Custom glass - Black

#### CUSTOM RGB Range

##### 9025GL10D01

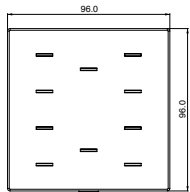
Custom double glass - White

##### 9025GL10D03

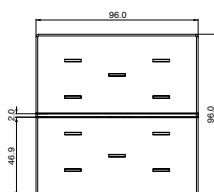
Custom double glass - Black

### Technical Features

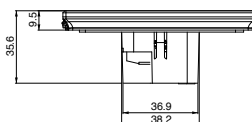
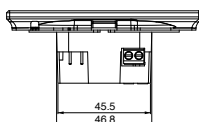
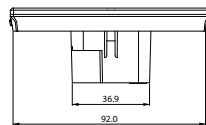
<b>Mechanical data</b>	<ul style="list-style-type: none"> <li>Dimensions: (W x H x D) 96 x 96 x 36 mm</li> </ul>
<b>Mounting</b>	<ul style="list-style-type: none"> <li>British box, German box or Italian 2 modules box</li> </ul>
<b>Supply</b>	<ul style="list-style-type: none"> <li>Via bus EIB/KNX cable: 21 ÷ 32 Vdc</li> </ul>
<b>Rear Input - digital mode</b>	<ul style="list-style-type: none"> <li>For free potential contacts (dry contacts)</li> <li>Max. length of Connecting Cables ≤ 10 m (twisted cable)</li> </ul>
<b>Rear input - analog mode for temperature probe</b>	<p>For NTC temperature probe eelectron code:</p> <ul style="list-style-type: none"> <li>TS01A01ACC (range from -20°C to +100°C)</li> <li>TS01B01ACC (range from -50°C to +60°C)</li> <li>Max. length of Connecting Cable: ≤ 20 m (twisted cable)</li> </ul>



STANDARD RANGE



RGB RANGE



## 2 Modules Version

### KNX Capacitive Switch Boards



**CS10A01KNX-1**  
Capacitive switch KNX - White



**CS10A01KNX-3**  
Capacitive switch KNX - Black

### Standard Range Covers



**9025GL02A01**  
Glass 2 channels - White



**9025GL04A01**  
Glass 4 channels - White



**9025GL06A01**  
Glass 6 channels - White



**9025GL08A01**  
Glass 8 channels - White



**9025GL10A01**  
Glass 10 channels - White



**9025GL02A03**  
Glass 2 channels - Black



**9025GL04A03**  
Glass 4 channels - Black



**9025GL06A03**  
Glass 6 channels - Black



**9025GL08A03**  
Glass 8 channels - Black



**9025GL10A03**  
Glass 10 channels - Black

### RGB Range Covers



**9025GL02B01**  
Double glass 2 ch. - White



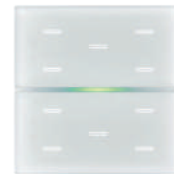
**9025GL04B01**  
Double glass 4 ch. - White



**9025GL06B01**  
Double glass 6 ch. - White



**9025GL08B01**  
Double glass 8 ch. - White



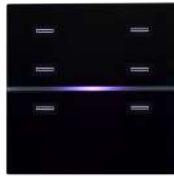
**9025GL10B01**  
Double glass 10 ch. - White



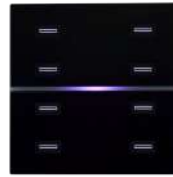
**9025GL02B03**  
Double glass 2 ch. - Black



**9025GL04B03**  
Double glass 4 ch. - Black



**9025GL06B03**  
Double glass 6 ch. - Black



**9025GL08B03**  
Double glass 8 ch. - Black



**9025GL10B03**  
Double glass 10 ch. - Black

### Standard & RGB Range Covers — CUSTOM



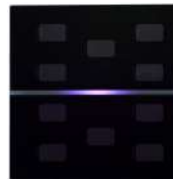
**9025GL10C01**  
CUSTOM glass  
White



**9025GL10C03**  
CUSTOM glass  
Black



**9025GL10D01**  
CUSTOM double glass  
White



**9025GL10D03**  
CUSTOM double 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 (electron codes TS01A01ACC or TS01B01ACC - 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: STANDARD and RGB; 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.



## Order Codes

### KNX Capacitive Switch Boards

#### CS10A01KNX-1-3M

KNX Capacitive switch - 3 Modules - White

#### CS10A01KNX-3-3M

KNX Capacitive switch - 3 Modules - Black

### Standard Range Covers

#### 9025GL304A01

Glass 4 channels - 3 Modules - White

#### 9025GL308A01

Glass 8 channels - 3 Modules - White

#### 9025GL310A01

Glass 10 channels - 3 Modules - White

#### 9025GL304A03

Glass 4 channels - 3 Modules - Black

#### 9025GL308A03

Glass 8 channels - 3 Modules - Black

#### 9025GL310A03

Glass 10 channels - 3 Modules - Black

### RGB Range Covers

#### 9025GL304B01

Glass 4 channels - 3 Modules - White

#### 9025GL308B01

Glass 8 channels - 3 Modules - White

#### 9025GL310B01

Glass 10 channels - 3 Modules - White

#### 9025GL304B03

Glass 4 channels - 3 Modules - Black

#### 9025GL308B03

Glass 8 channels - 3 Modules - Black

#### 9025GL310B03

Glass 10 channels - 3 Modules - Black

### CUSTOM Standard Range

#### 9025GL310C01

Custom glass - 3 Modules - White

#### 9025GL310C03

Custom glass - 3 Modules - Black

### CUSTOM RGB Range

#### 9025GL310D01

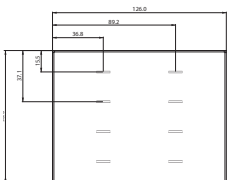
Custom double glass - 3 Modules - White

#### 9025GL310D03

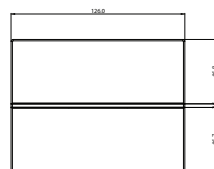
Custom double glass - 3 Modules - Black

## Technical Features

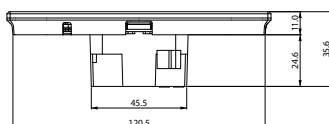
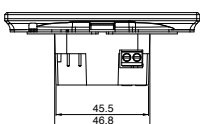
<b>Mechanical data</b>	<ul style="list-style-type: none"> <li>Dimensions: (W x H x D) 96 x 96 x 36 mm</li> </ul>
<b>Mounting</b>	<ul style="list-style-type: none"> <li>British box, German box or Italian 2/3 modules box</li> </ul>
<b>Supply</b>	<ul style="list-style-type: none"> <li>Via bus EIB/KNX cable: 21 ÷ 32 Vdc</li> </ul>
<b>Rear Input - digital mode</b>	<ul style="list-style-type: none"> <li>For free potential contacts (dry contacts)</li> <li>Max. length of Connecting Cables ≤ 10 m (twisted cable)</li> </ul>
<b>Rear input - analog mode for temperature probe</b>	<p>For NTC temperature probe electron code:</p> <ul style="list-style-type: none"> <li>TS01A01ACC (range from -20°C to +100°C)</li> <li>TS01B01ACC (range from -50°C to +60°C)</li> <li>Max. length of Connecting Cable: ≤ 20 m (twisted cable)</li> </ul>



STANDARD RANGE



RGB RANGE





### 3 Modules Version

### KNX Capacitive Switch Boards



**CS10A01KNX-1 - 3M**  
Capacitive switch KNX - White



**CS10A01KNX-3 - 3M**  
Capacitive switch KNX - Black

### Standard Range Covers



**9025GL304A01**  
Glass 4 channels - White



**9025GL308A01**  
Glass 8 channels - White



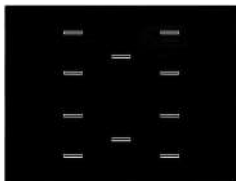
**9025GL310A01**  
Glass 10 channels - White



**9025GL304A03**  
Glass 4 channels - Black



**9025GL308A03**  
Glass 8 channels - Black



**9025GL310A03**  
Glass 10 channels - Black

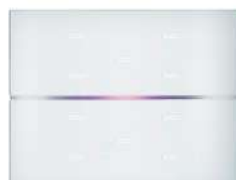
### RGB Range Covers



**9025GL304B01**  
Double glass 4 ch. - White



**9025GL308B01**  
Double glass 8 ch. - White



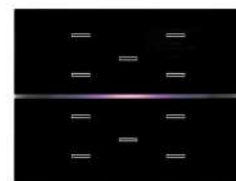
**9025GL310B01**  
Double glass 10 ch. - White



**9025GL304B03**  
Double glass 4 ch. - Black



**9025GL308B03**  
Double glass 8 ch. - Black



**9025GL310B03**  
Double glass 10 ch. - Black

### Standard & RGB Range Covers — CUSTOM



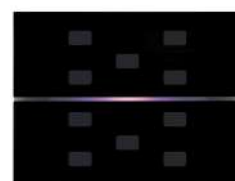
**9025GL310C01**  
CUSTOM glass  
White



**9025GL310C03**  
CUSTOM glass  
Black



**9025GL310D01**  
CUSTOM double glass  
White



**9025GL310D03**  
CUSTOM double glass  
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 mainstandards (British, German, Italian, etc).

Device is equipped with KNX communication interface.



## 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

#### 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 White

#### 9025GT07D03R

CUSTOM double glass RESIDENTIAL Black

#### 9025GT07D01H

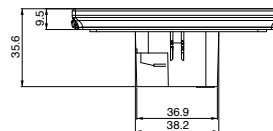
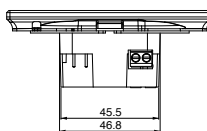
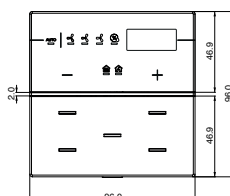
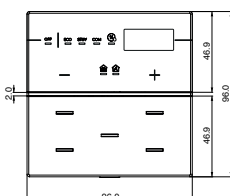
CUSTOM double glass HOTEL White

#### 9025GT07D03H

CUSTOM double glass HOTEL Black

## Technical Features

<b>Mechanical data</b>	<ul style="list-style-type: none"> <li>Dimensions: (W x H x D) 96 x 96 x 36 mm</li> </ul>
<b>Mounting</b>	<ul style="list-style-type: none"> <li>British box, German box or Italian 2 modules box</li> </ul>
<b>Supply</b>	<ul style="list-style-type: none"> <li>Via bus EIB/KNX cable: 21 ÷ 32 Vdc</li> </ul>
<b>Rear Input - digital mode</b>	<ul style="list-style-type: none"> <li>For free potential contacts (dry contacts)</li> <li>Max. length of Connecting Cables ≤ 10 m (twisted cable)</li> </ul>
<b>Rear input - analog mode for temperature probe</b>	<p>For NTC temperature probe eelectron code:</p> <ul style="list-style-type: none"> <li>TS01A01ACC (range from -20°C to +100°C)</li> <li>TS01B01ACC (range from -50°C to +60°C)</li> <li>Max. length of Connecting Cable: ≤ 20 m (twisted cable)</li> </ul>



## 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 Covers



**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

3 Modules Version

# KNX Thermostat / Humidistat



**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



## 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 Covers

**9025GT307B01-R**

Double glass RESIDENTIAL display - 3  
Modules - White

**9025GT307B01-H**

Double glass HOTEL display - 3 Modules  
White

**9025GT307B03-R**

Double glass RESIDENTIAL display - 3  
Modules - Black

**9025GT307B03-H**

Double glass HOTEL display - 3 Modules  
Black

### Custom Version Covers

**9025GT307D01-R**

CUSTOM double glass RESIDENTIAL - 3  
Modules - White

**9025GT307D03-R**

CUSTOM double glass RESIDENTIAL - 3  
Modules - Black

**9025GT307D01-H**

CUSTOM double glass HOTEL - 3  
Modules - White

**9025GT307D03-H**

CUSTOM double glass HOTEL - 3  
Modules - Black

## Thermostat/Humidistat Covers



**9025GT307B01-R**  
Double glass  
RESIDENTIAL display - White



**9025GT307B01-H**  
Double glass  
HOTEL display - White



**9025GT307B03-R**  
Double glass  
RESIDENTIAL display - Black



**9025GT307B03-H**  
Double glass  
HOTEL display - Black

## Custom Version — Residential



**9025GT307D01-R**  
CUSTOM double glass RESIDENTIAL  
White



**9025GT307D03-R**  
CUSTOM double glass RESIDENTIAL  
Black

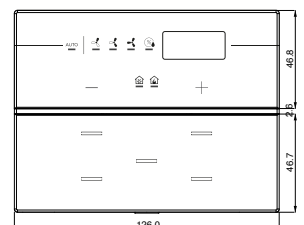
## Custom Version — Hotel



**9025GT307D01-H**  
CUSTOM double glass HOTEL - White



**9025GT307D03-H**  
CUSTOM double glass HOTEL - Black



## 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 or TS01B01ACC – 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

#### KNX Capacitive Switch Boards

##### CS05B01KNX-1

KNX Capacitive switch - White

##### CS05B01KNX-3

KNX Capacitive switch - Black

#### Door Panel Covers

##### 9025GL02E01

Door panel 2 ch. - White + RGB

##### 9025GL02E03

Door panel 2 ch. - Black + RGB



CS05B01KNX-1

KNX Capacitive switch door panel - White



CS05B01KNX-3

KNX Capacitive switch door panel - Black

### Door Panel RGB Covers



9025GL02E01

Door panel 2 ch. - White + RGB - DND/MUR + Bell



9025GL02E03

Door panel 2 ch. - Black + RGB - DND/MUR + Bell

## Technical Features

<b>Mechanical data</b>	<ul style="list-style-type: none"> <li>Dimensions: (W x H x D) 96 x 96 x 36 mm</li> </ul>
<b>Mounting</b>	<ul style="list-style-type: none"> <li>British box, german box or italian 2 modules box</li> </ul>
<b>Rear Input - digital mode</b>	<ul style="list-style-type: none"> <li>For free potential contacts (dry contacts)</li> <li>Max. length of Connecting Cables ≤ 10 m (twisted cable)</li> </ul>
<b>Rear input - analog mode for temperature probe</b>	<p>For NTC temperature probe eelectron code:</p> <ul style="list-style-type: none"> <li>TS01A01ACC (range from -20°C to +100°C)</li> <li>TS01B01ACC (range from -50°C to +60°C)</li> <li>Max. length of Connecting Cable: ≤ 20 m (twisted cable)</li> </ul>

# Bedside Panel

9025 custom Bedside Panel includes the features of the Standard 9025 switch: 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 (electron 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 fulfill the request of the hotel market including high possibility of customization through dedicated icons set, two sockets (not included) and a minimal elegant design.



## Order Codes

### KNX Capacitive Switch Boards

#### CS05B01KNX-1

KNX Capacitive switch - White

#### CS05B01KNX-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



CS10A01KNX-1  
Capacitive switch KNX - White



CS10A01KNX-3  
Capacitive switch KNX - Black

## Custom Bedside Panel Plate



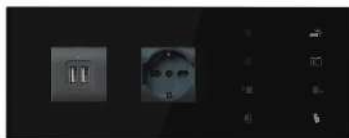
9025GL10C01-B2R  
Custom Bedside Panel Plate - 2 Sockets  
Right White



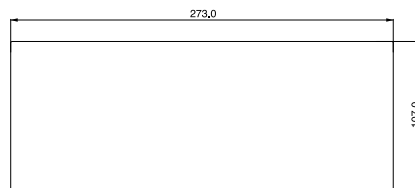
9025GL10C03-B2R  
Custom Bedside Panel Plate - 2 Sockets  
Right Black



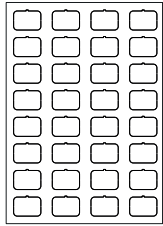
9025GL10C01-B2L  
Custom Bedside Panel Plate - 2 Sockets  
Left White



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

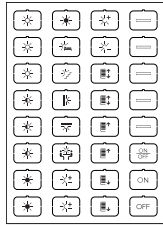


# Icons Sheet Sets



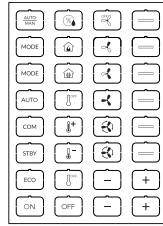
**9025ISA-1**

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



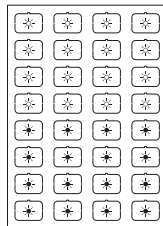
**9025ISD-1**

icon sheet  
SET D | White  
32 icons



**9025ISE-1**

icon sheet  
SET E | White  
32 icons



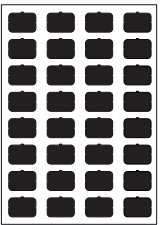
**9025ISF-1**

icon sheet  
SET F | White  
32 icons



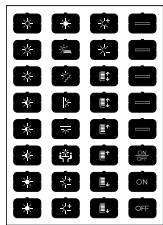
**9025ISH-1**

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



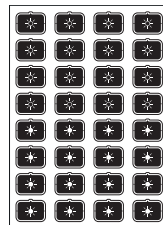
**9025ISD-3**

icon sheet  
SET D | Black  
32 icons



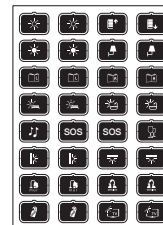
**9025ISE-3**

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 Humidity - Temperature Controller

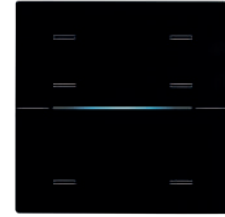
The environmental sensor HC06A01KNX is a device of the 9025 series, it is wall-mounted and finished with a white or black glass.

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 (electron code TS01A01ACC or TS01B01ACC - 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<sub>2</sub>) or other quantities available on the KNX bus.



## Order Codes

### KNX Capacitive Switch Boards

#### HC06A01KNX-3

Humidity Sensor + Thermostat - Inwall - No Display - White

#### HC06A01KNX-1

Humidity Sensor + Thermostat - Inwall - No Display - Black

### RGB Range Covers

#### 9025GH06L01

Single glass line 6 ch. - White

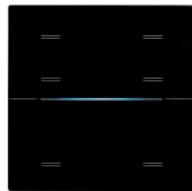
#### 9025GH06L03

Single glass line 6 ch. - Black



9025GH06 L01

Single glass line 6 ch. - White



9025GH06 L03

Single glass line 6 ch. - Black

## Technical Features

<b>Mechanical data</b>	<ul style="list-style-type: none"> <li>Dimensions: (W x H x D) 96 x 96 x 36 mm</li> </ul>
<b>Mounting</b>	<ul style="list-style-type: none"> <li>British box, German box or Italian 2 modules box</li> </ul>
<b>Supply</b>	<ul style="list-style-type: none"> <li>Via bus EIB/KNX cable: 21 ÷ 32 Vdc</li> </ul>
<b>Rear Input - digital mode</b>	<ul style="list-style-type: none"> <li>For free potential contacts (dry contacts)</li> <li>Max. length of Connecting Cables ≤ 10 m (twisted cable)</li> <li>Voltage Scanning 3,3 Vdc (internally generated)</li> </ul>
<b>Rear input - analog mode for temperature probe</b>	<p>For NTC temperature probe electron code:</p> <ul style="list-style-type: none"> <li>TS01A01ACC (range from -20°C to +100°C)</li> <li>TS01B01ACC (range from -50°C to +60°C)</li> <li>Max. length of Connecting Cable: ≤ 20 m (twisted cable)</li> </ul>



# 9025 Multisensor Controller

The environmental sensor MC06A01KNX is a device of the 9025 series, it is wall-mounted and finished with a white or black glass.

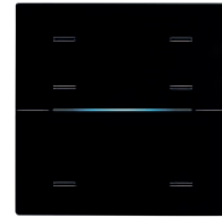
In the MC06A01KNX device there are 3 sensors available: temperature, humidity and CO<sub>2</sub>, this measure is detected by using an integrated probe specially designed to detect CO<sub>2</sub> data directly and not through calculations based on other sensors.

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 or TS01B01ACC - 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<sub>2</sub>) or other quantities available on the KNX bus.



## Order Codes

### KNX Capacitive Switch Boards

#### MC06A01KNX-1

Multisensor CO<sub>2</sub> + Humidity + Temperature  
- Inwall - No Display - White

#### MC06A01KNX-3

Multisensor CO<sub>2</sub> + Humidity + Temperature  
- Inwall - No Display - Black

### RGB Range Covers

#### 9025GM06L01

Single glass line 6 ch. - White

#### 9025GM06L03

Single glass line 6 ch. - Black



9025GM06L01

Single glass line 6 ch. - White



9025GM06L03

Single glass line 6 ch. - Black

## Technical Features

<b>Mechanical data</b>	<ul style="list-style-type: none"> <li>• Dimensions: (W x H x D) 96 x 96 x 40 mm</li> </ul>
<b>Mounting</b>	<ul style="list-style-type: none"> <li>• British box, German box or Italian 2 modules box</li> </ul>
<b>Supply</b>	<ul style="list-style-type: none"> <li>• Via bus EIB/KNX cable: 21 ÷ 32 Vdc</li> </ul>
<b>Rear Input - digital mode</b>	<ul style="list-style-type: none"> <li>• For free potential contacts (dry contacts)</li> <li>• Max. length of Connecting Cables ≤ 10 m (twisted cable)</li> <li>• Voltage Scanning 3,3 Vdc (internally generated)</li> </ul>
<b>Rear input - analog mode for temperature probe</b>	<p>For NTC temperature probe eelectron code:</p> <ul style="list-style-type: none"> <li>• TS01A01ACC (range from -20°C to +100°C)</li> <li>• TS01B01ACC (range from -50°C to +60°C)</li> <li>• Max. length of Connecting Cable: ≤ 20 m (twisted cable)</li> </ul>

# 55x55 KNX Switch

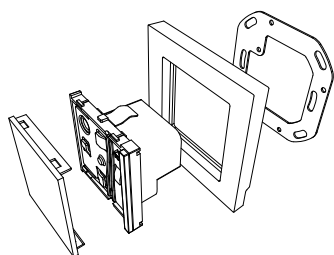
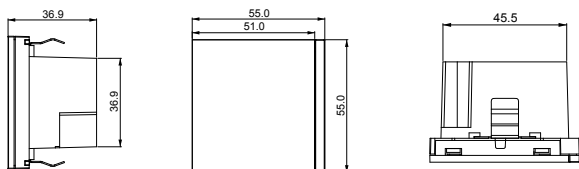
## 4 CHANNELS + THERMOSTAT

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 or TS01B01ACC - 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.



### Technical Features

<b>Mechanical data</b>	<ul style="list-style-type: none"> <li>• Dimensions: (H x W x D) : 55 x 55 x 37 mm</li> </ul>
<b>Mounting</b>	<ul style="list-style-type: none"> <li>• British box, German box or Italian 2 modules box</li> </ul>
<b>Supply</b>	<ul style="list-style-type: none"> <li>• Via bus EIB/KNX cable: 21 ÷ 32 Vdc</li> </ul>
<b>Rear Input - digital mode</b>	<ul style="list-style-type: none"> <li>• For free potential contacts (dry contacts)</li> <li>• Max. length of Connecting Cables ≤ 10 m (twisted cable)</li> </ul>
<b>Rear input - analog mode for temperature probe</b>	For NTC temperature probe eelectron code: <ul style="list-style-type: none"> <li>• TS01A01ACC (range from -20°C to +100°C)</li> <li>• TS01B01ACC (range from -50°C to +60°C)</li> <li>• Max. length of Connecting Cable: ≤ 20 m (twisted cable)</li> </ul>



### Order Codes

#### SB40A01KNXPLCR

Knx switch 4 channels + Thermostat  
55x55mm - Chromo - Plastic

#### SB40A11KNXPLBL

Knx switch 4 channels + Thermostat  
55x55mm - Black - Plastic

#### SB40A21KNXPLWH

Knx switch 4 channels + Thermostat  
55x55mm - White - Plastic

#### SB40A09KNXPLCR

Knx switch 4 channels + Thermostat  
55x55mm - Chromo - Plastic + Linemark

#### SB40A19KNXPLBL

Knx switch 4 channels + Thermostat  
55x55mm - Black - Plastic + Linemark

#### SB40A29KNXPLWH

Knx switch 4 channels + Thermostat  
55x55mm - White - Plastic + Linemark

#### SB40A21KNX-GL10

Knx switch 4 channels + Thermostat  
55x55mm - White + White glass

#### SB40A11KNX-GL15

Knx switch 4 channels + Thermostat  
55x55mm - Black + Black glass

#### SB40A01KNXMT60

Knx switch 4 channels + Thermostat  
55x55mm - Chromo + Alluminium

#### SB40A11KNX-WD50

Knx switch 4 channels + Thermostat  
55x55mm - Black + Wood oak

#### SB40A21KNX-WD50

Knx switch 4 channels + Thermostat  
55x55mm - White + Wood oak

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

Plastic

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Chromo  
SB40A01KNX-PLCR



Black  
SB40A11KNX-PLBL



White  
SB40A21KNX-PLWH

Plastic + Linemark

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Chromo  
SB40A09KNX-PLCR



Black  
SB40A19KNX-PLBL



White  
SB40A29KNX-PLWH

Glass



White  
SB40A21KNX-GL10



Black  
SB40A11KNX-GL15



Aluminium  
SB40A01KNX-MT60

Metal

Wood

---



White/Oak  
SB40A21KNX-WD50



Black/Oak  
SB40A11KNX-WD50

# Touch Panel 3,5"

The 3025 Touch Panel: powerful control in a distinctive shape. With a coloured display, dimming, status, values, lighting, shutters and timers are controlled and password protected when needed. Using the embedded temperature sensor, chrono or fancoil controlling functions are managed. DMX coloured Led or lights are controlled with the optional DMX interface, and load control with automatic cut off of prioritised functions is performed with the available power meter. Based on Linux® OS but Ets programmed, the 3,5" Touch Panel has Led indicator for status display and an audio signal for alarm functions and is available in three colours.



## Technical Features

<b>Mechanical data</b>	<ul style="list-style-type: none"> <li>• Dimensions: (H x W x D): 113 x 113 x 48 mm</li> </ul>
<b>Mounting</b>	<ul style="list-style-type: none"> <li>• British box, German box or Italian 2 or 3 modules box</li> </ul>
<b>Supply</b>	<ul style="list-style-type: none"> <li>• Via bus EIB/KNX cable: 21 ÷ 32 Vdc</li> <li>• Auxiliary power supply: 9 ÷ 32 Vdc</li> </ul>

## Order Codes

### VS00G10KNX

Touch Panel KNX 3,5 SQUARE  
White Glass

### VS00G11KNX

Touch Panel KNX 3,5 SQUARE  
Ice White Glass

### VS00G30KNX

Touch Panel KNX 3,5 SQUARE  
Black Glass

### VS00P10KNX

Touch Panel KNX 3,5 SQUARE  
Plexi Glass

### VS00P20KNX

Touch Panel KNX 3,5 SQUARE  
Plexi Chromo

### VS00P15KNX

Touch Panel KNX 3,5 SQUARE  
Plexi Black

### VS00W60KNX

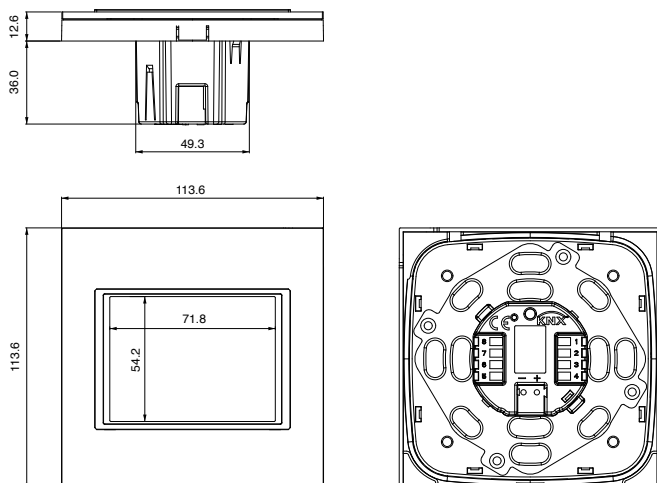
Touch Panel 3,5" SQUARE  
Metal

### VS00W50KNX

Touch panel 3,5" SQUARE  
Oak White

### VS00W51KNX

Touch panel 3,5" SQUARE  
Oak Black



Plexiglass

Glass



White  
VS00P10KNX



Chromo  
VS00P20KNX



Black  
VS00P30KNX



White  
VS00G10KNX



Ice White  
VS00G11KNX



Black  
VS00G30KNX

Metal



Aluminium  
VS00M60KNX

Wood



White/Oak  
VS00W50KNX



Black/Oak  
VS00W51KNX

# HomePad & MiniPad

Eeecta® HomePad and MiniPad pushbutton range of KNX devices is divided in 5 different models based on the number of switch, input and temperature sensors provided with the device.

Product has 4 (8) push buttons which can be configured to manage lights, dimmers, shutters, etc; and 4 inputs (where present) on the backside to interface free potential contacts (for example sensors, traditional buttons, etc.). It has 5 white led in the front side, each led freely configurable by ETS and 2 versions have a temperature sensor included which can be configured as a room thermostat.



## Order Codes

### HomePad

**PB40BxxKNX**  
4 channels KNX

**PB40CxxKNX**  
4 channels KNX + 4 inputs + Temperature sensor

**PB80AxxKNX**  
8 channels KNX + Temperature sensor

**PB80CxxKNX -**  
8 channels KNX + Temperature sensor + circular functions

### MiniPad

**MB40BxxKNX**  
4 channels KNX

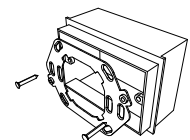
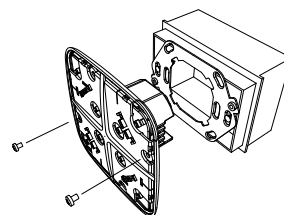
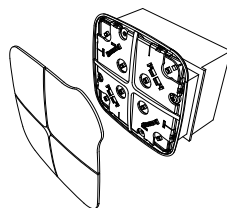
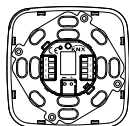
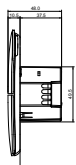
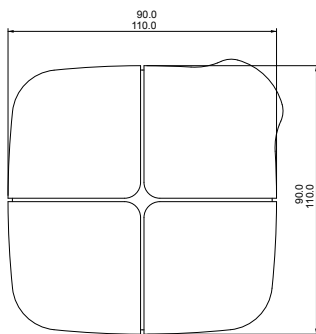
**MB40CxxKNX**  
4 channels KNX + 4 inputs + Temperature sensor

**MB80AxxKNX**  
8 channels KNX + Temperature sensor

**MB80CxxKNX -**  
8 channels KNX + Temperature sensor + circular functions

## Technical Features

<b>Mechanical data</b>	<ul style="list-style-type: none"> <li>• HomePad Dimensions (H. x W.) 110 x 110 mm</li> <li>• MiniPad Dimensions (H. x W.) 90 x 90 mm</li> </ul>
<b>Mounting</b>	<ul style="list-style-type: none"> <li>• Inwall box: 2 modules italian, german box, swiss box</li> </ul>
<b>Supply</b>	<ul style="list-style-type: none"> <li>• Via bus EIB/KNX cable: 21 ÷ 32 Vdc</li> </ul>
<b>Rear Input - digital mode</b>	<ul style="list-style-type: none"> <li>• For free potential contacts (dry contacts)</li> <li>• Max. length of Connecting Cables ≤ 10 m (twisted cable)</li> </ul>



Linear Cover



Ceramic White  
COAW

Black Matte  
COAA

Chromo  
COAS

Aluminium  
COAL

Wave Cover



Ceramic White  
COBW

Black Matte  
COBA

Chromo  
COBS

HomePad



Ceramic White - Black cross  
1C - WH

Ceramic White - White cross  
1A - WH

Black Matte - Black cross  
3C - BL

Chromo - Black cross  
2C - CR

Order codes are referred to colour palette and has to be completed with functional codes.  
(es. PB40B3DKNX-BL)

MiniPad



Ceramic White - Black cross  
1C - WH

Ceramic White - White cross  
1A - WH

Black Matte - Black cross  
3C - BL

Chromo - Black cross  
2C - CR

Order codes are referred to colour palette and has to be completed with functional codes.  
(es. MB40B3DKNX-BL)

**HomePad**

Codes	Description
PB40BxxKNX	• HomePad KNX 4 CH.
PB40CxxKNX	• HomePad KNX 4 CH. 4 IN - TS*
PB80AxxKNX	• HomePad KNX 8 CH. - TS*
PB80CxxKNX	• HomePad KNX 8 CH. - TS* - Circular functions

**MiniPad**

Codes	Description
MB40BxxKNX	• MiniPad KNX 4 CH.
MB40CxxKNX	• MiniPad KNX 4 CH. 4 IN - TS*
MB80AxxKNX	• MiniPad KNX 8 CH. - TS*
MB80CxxKNX	• MiniPad KNX 8 CH. - TS* - Circular functions

\* Integrated Thermostat

# MiniSwitch

## 1 - 2 - 4 CHANNELS

Miniswitch KNX is suitable with Eelecta and GlassPad 's frame. The range is composed by 3 models that include 1,2 or 4 channels switches with a dimension of 45x45 mm (frame not included).

Product has 1, 2 or 4 frontal led two coloured signalling (one for each channel) that can be programmed through ETS.

The switches are available in 2 different colours (white or anthracite) and the plates in 3 colours (white, silver e black).



### Order Codes

**WB10A30KNX**  
MiniSwitch 1 ch. KNX – Anthracite

**WB10A10KNX**  
MiniSwitch 1 ch. KNX – White

**WB20A30KNX**  
MiniSwitch 2 ch. KNX – Anthracite

**WB20A10KNX**  
MiniSwitch 2 ch. KNX – White

**WB40A30KNX**  
MiniSwitch 4 ch. KNX – Anthracite

**WB40A10KNX**  
MiniSwitch 4 ch. KNX – White

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

### Technical Features

<b>Mechanical data</b>	<ul style="list-style-type: none"> <li>• Dimensions: (W x H) 45 x 45 mm (without frames)</li> </ul>
<b>Mounting</b>	<ul style="list-style-type: none"> <li>• British box, german box or italian 2/3/4 modules</li> </ul>
<b>Supply</b>	<ul style="list-style-type: none"> <li>• Via bus EIB/KNX cable: 21 ÷ 32 Vdc</li> </ul>

### Socket Plate 2 Module



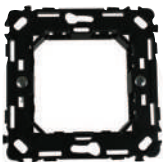
### Swiss Socket Plate 2 Module



### Double Socket Plate 2 Module



### Frame



SK01A00ACC

2 module 60mm. frame - Black



# Touch Panel 3,5"

The Eelecta touch panel: powerful control in a distinctive shape. With a coloured display, dimming, status, values, lighting, shutters and timers are controlled and password protected when needed. Using the embedded temperature sensor, chrono or fancoil controlling functions are managed. DMX coloured Led or lights are controlled with the optional DMX interface, and load control with automatic cut off of prioritised functions is performed with the available power meter. Based on Linux® OS but Ets programmed, the 3.5" touch panel has Led indicator for status display and an audio signal for alarm functions and is available in three colours.



## Order Codes

### VS00E10KNX

Touch Panel KNX 3,5 + Thermostat  
Ceramic White

### VS00E20KNX

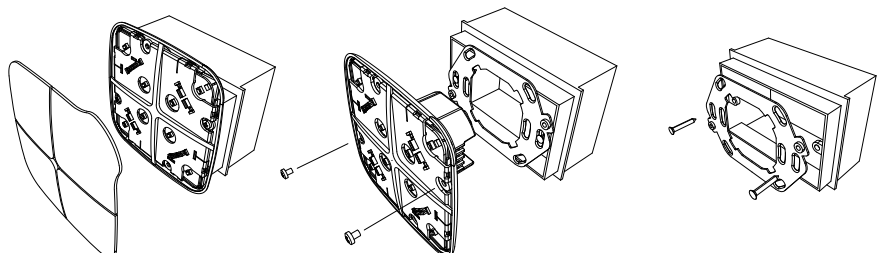
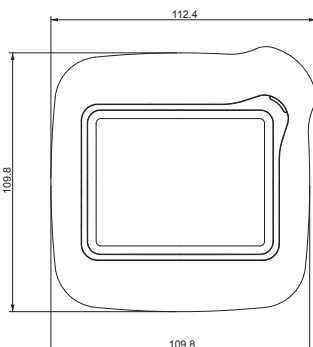
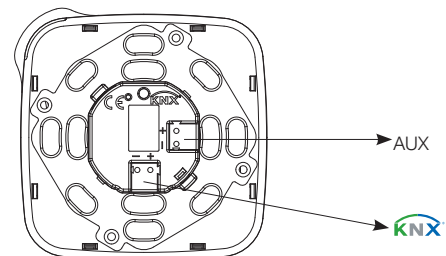
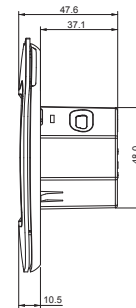
Touch Panel KNX 3,5 + Thermostat  
Chromo

### VS00E30KNX

Touch Panel KNX 3,5 + Thermostat  
Black Matte

## Technical Features

<b>Mechanical data</b>	<ul style="list-style-type: none"> <li>• Dimensions: (H x W x D) : 113 x 113 x 48mm</li> </ul>
<b>Mounting</b>	<ul style="list-style-type: none"> <li>• Inwall box: 2 or 3 modules italian, german box, swiss</li> <li>• box</li> </ul>
<b>Supply</b>	<ul style="list-style-type: none"> <li>• Auxiliary power supply: 9 ÷ 32 Vdc</li> <li>• Current Consumption (Aux): 55 mA @24 Vdc</li> <li>• Via bus EIB/KNX cable: 21 ÷ 32 Vdc</li> </ul>



# Horizone Web Server

HORIZONE is a webservice specifically engineered for supervision and monitoring of Home & Building Automation systems. Based on KNX standard and suitable for integration with Modbus standard and other technologies used in intelligent buildings, alarm systems, fire and smoke detections systems, audio/video distribution systems. Compatible with operating system Mac OS X, Microsoft Windows, Apple iOS and Google Android, the configuration and use of HORIZONE takes place directly through its web interface, which can be accessed through the most popular browser on the market browser from any device (pc/mac, smartphone e tablet) or with free app available on iOS and Android store.



## SIZES

	KNX GROUP ADDRESSES	SCENES	LOGICS	AREAS	LOADS	CAMERAS
Horizone Web Server 200 KNX group addresses	200	30	30	UNLIMITED	10	UNLIMITED
Upgrade up to 800 KNX group addresses	800	100	100	UNLIMITED	20	UNLIMITED
Upgrade up to 1400 KNX group addresses	1400	100	100	UNLIMITED	40	UNLIMITED

\*\*On demand Horizone Upgrade over 1400 KNX group addresses

## Order Codes

**IN00B02WEB**  
Web Server Horizone 200 points

**IN00B03UPG**  
Upgrade up to 800 points

**IN00B04UPG**  
Upgrade up to 1400 points

## Hardware Features

<b>Mechanical data</b>	<ul style="list-style-type: none"> <li>Dimensions: 5 DIN modules</li> </ul>
<b>Supply</b>	<ul style="list-style-type: none"> <li>Via bus EIB/KNX cable: 21 ÷ 32 Vdc</li> </ul>
<b>Aux Supply</b>	<ul style="list-style-type: none"> <li>12 ÷ 24 Vdc</li> <li>18 mA @12 V; 110 mA @24 V</li> </ul>
<b>Communication ports</b>	<ul style="list-style-type: none"> <li>KNX</li> <li>RS232 (1x) Screw connector</li> <li>RS485 (1x) Screw connector</li> <li>USB 2.0 (2x)</li> <li>LAN (1x) RJ-45 jack (10/100 Mbps)</li> </ul>

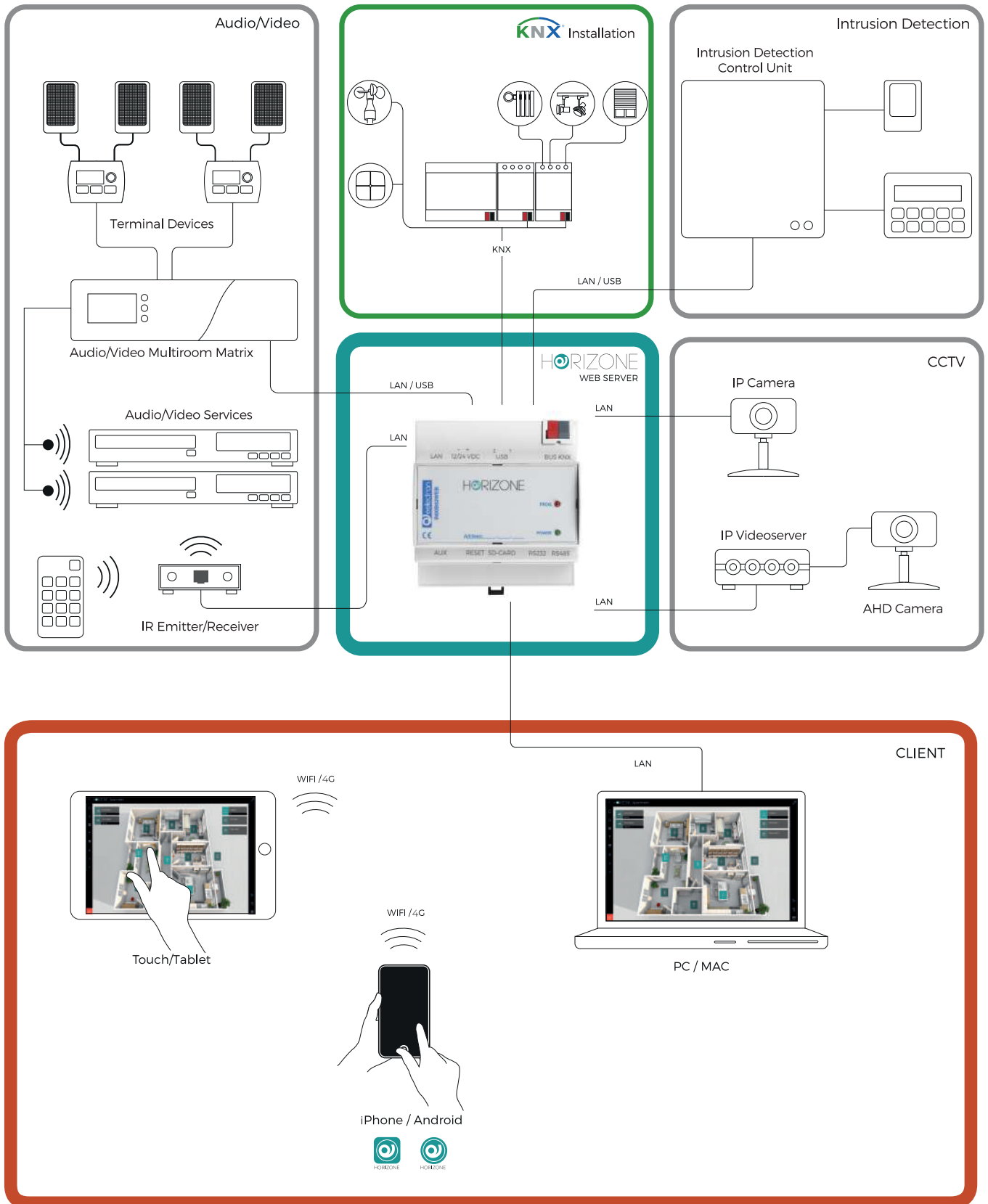
## Additional Software Modules

<b>IN00B02MBS</b>	<ul style="list-style-type: none"> <li>MODBUS Module for HORIZONE WS</li> </ul>
<b>IN00B02BEN</b>	<ul style="list-style-type: none"> <li>BENTEL Module for HORIZONE WS</li> </ul>
<b>IN00B02IES</b>	<ul style="list-style-type: none"> <li>ELMO/IESS Module for HORIZONE WS</li> </ul>
<b>IN00B02TEC</b>	<ul style="list-style-type: none"> <li>TECNOALARM Module for HORIZONE WS</li> </ul>
<b>IN00B02TUT</b>	<ul style="list-style-type: none"> <li>TUTONDO Module for HORIZONE WS</li> </ul>
<b>IN00B02VIV</b>	<ul style="list-style-type: none"> <li>VIVALDI Module for HORIZONE WS</li> </ul>
<b>IN00B02VOI</b>	<ul style="list-style-type: none"> <li>VOIP Module for HORIZONE WS</li> </ul>
<b>IN00B02SON</b>	<ul style="list-style-type: none"> <li>SONOS Module for HORIZONE WS</li> </ul>
<b>IN00B02DAT</b>	<ul style="list-style-type: none"> <li>Report and Accounting Module for HORIZONE WS</li> </ul>

## Software Features

<b>Standard technologies</b>	<ul style="list-style-type: none"> <li>KNX</li> <li>RS232 / RS485 / TCP</li> </ul>
<b>User interface</b>	<ul style="list-style-type: none"> <li>Web / HTML5</li> <li>App iOS / Android</li> </ul>
<b>Number of clients</b>	<ul style="list-style-type: none"> <li>Unlimited</li> </ul>
<b>Simultaneous connections</b>	<ul style="list-style-type: none"> <li>Up to 20</li> </ul>
<b>Features</b>	<ul style="list-style-type: none"> <li>Lighting</li> <li>HVAC</li> <li>Blinds / Shutters</li> <li>Irrigation</li> <li>Alarms</li> <li>Power consumption</li> <li>Load management</li> <li>Weather</li> <li>IP Camera</li> <li>Door intercom system (with SIP standard)</li> <li>Cloud services</li> <li>Voice control</li> <li>IFTTT</li> </ul>
<b>Advanced functions</b>	<ul style="list-style-type: none"> <li>Scenarios with parametrical wait functions</li> <li>Boolean logics</li> <li>Thresholds and values comparators</li> <li>Mathematical operations</li> <li>Scheduler</li> <li>Notifications</li> <li>Advanced logic module</li> </ul>
<b>Users and security</b>	<ul style="list-style-type: none"> <li>Unlimited users</li> <li>SSL Internet secure access</li> </ul>

# Horizon Web Server



# Horizone Virtual Badge

Virtual Badge is an innovative access control system, which allows the opening of gates with your smartphone, without the need for keys or badge readers physically installed in front of each door. The management of permission of the users, and the sending of virtual access keys, is entirely manageable via app, both locally and remotely, and is therefore ideal also for unattended structures.



Virtual Badge



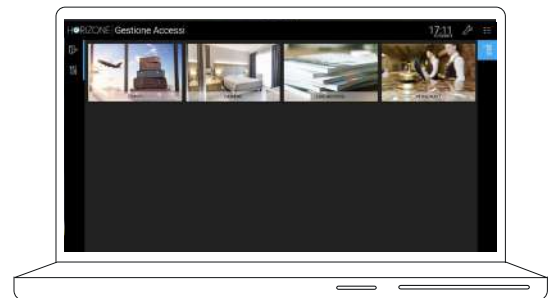
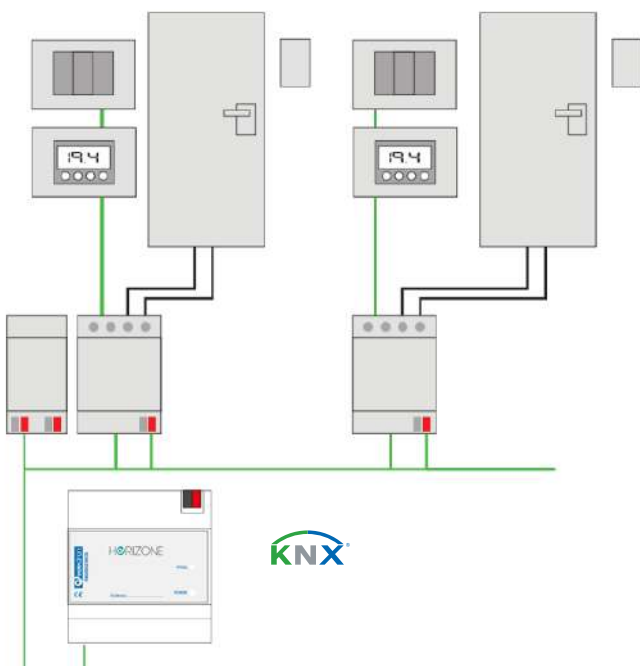
## Virtual Badge + Horizone Server

<b>Target</b>	<ul style="list-style-type: none"> <li>• Access Control</li> <li>• Home automation management</li> <li>• Integration of bus and technological systems</li> </ul>
<b>Technology</b>	<ul style="list-style-type: none"> <li>• KNX</li> <li>• Anti-Intrusion Systems *</li> <li>• Audio Systems *</li> <li>• IP cameras *</li> <li>• Modbus *</li> </ul>
<b>Room 1-4</b>	<ul style="list-style-type: none"> <li>• Horizone Web Server +</li> <li>• Virtual Badge License +</li> <li>• Other license if required</li> </ul>
<b>Every 4 room</b>	<ul style="list-style-type: none"> <li>• Additional Virtual Badge License</li> </ul>

## Order Codes

- IN00B02RAC-04**  
Access control module - 4 zones
- IN00B02RAC-08**  
Access control module - 8 zones
- IN00B02RAC-12**  
Access control module - 12 zones
- IN00B02RAC-16**  
Access control module - 16 zones
- IN00B02RAC-20**  
Access control module - 20 zones
- IN00B02RAC-24**  
Access control module - 24 zones
- IN00B02RAC-28**  
Access control module - 28 zones
- IN00B02RAC-30**  
Access control module - 30 zones
- IN00B02RAC-32**  
Access control module - 32 zones
- IN00B02RAC-34**  
Access control module - 34 zones
- IN00B02RAC-38**  
Access control module - 38 zones
- IN00B02RAC-40**  
Access control module - 40 zones

\* For compatibility list, see technical documentation for Horizone Web Server



# Horizone MINI Web Server

HORIZONE MINI is a webserver specifically engineered for supervision and monitoring of Home & Building Automation systems. Based on KNX standard and suitable for integration with Modbus standard\*. Compatible with operating system Mac OS X, Microsoft Windows, Apple iOS and Google Android, the configuration and use of HORIZONE takes place directly through its web interface, which can be accessed through a the most popular browser on the market browser from any device (pc/mac, smartphone e tablet) or with free app available on iOS and Android store.

\*Only for Modbus energy meter

## Order Codes

**IN00M02WEB**  
Horizone MINI Web Server 200 points

## Software Features

<b>Standard technologies</b>	<ul style="list-style-type: none"> <li>• KNX (max 200 group addresses)</li> <li>• RS485 / TCP</li> <li>• Energy meter USB</li> </ul>
<b>User interface</b>	<ul style="list-style-type: none"> <li>• Web / HTML5</li> <li>• App iOS / Android</li> </ul>
<b>Number of clients</b>	<ul style="list-style-type: none"> <li>• Unlimited</li> </ul>
<b>Simultaneous connections</b>	<ul style="list-style-type: none"> <li>• Up to 20</li> </ul>
<b>Features</b>	<ul style="list-style-type: none"> <li>• Lighting</li> <li>• HVAC</li> <li>• Blinds / Shutters</li> <li>• Irrigation</li> <li>• Alarms</li> <li>• Energy management</li> <li>• Load management</li> <li>• Weather</li> <li>• Door intercom system (with SIP standard)</li> <li>• SONOS</li> <li>• Cloud services</li> <li>• Voice control</li> <li>• IFTTT</li> </ul>
<b>Advanced functions</b>	<ul style="list-style-type: none"> <li>• Scenarios with parametrical wait functions</li> <li>• Boolean logics</li> <li>• Thresholds and values comparators</li> <li>• Mathematical operations</li> <li>• Scheduler</li> <li>• Programmable events</li> <li>• Notifications</li> </ul>

## SIZES

	KNX GROUP ADDRESSES	SCENES	LOGICS	PAGES	LOADS
Horizone Web Server 200 KNX group addresses	200	30	30	12	10

## Hardware Features

<b>Dimensions</b>	<ul style="list-style-type: none"> <li>• 90,5 x 62 x 36 mm</li> <li>• 2 DIN rail Module</li> </ul>
<b>Aux Supply</b>	<ul style="list-style-type: none"> <li>• 12 ÷ 24 Vdc</li> <li>• 18 mA @12 V; 110 mA @24 V</li> </ul>
<b>Communication ports</b>	<ul style="list-style-type: none"> <li>• KNX</li> <li>• RS485 (1x) Screw connector</li> <li>• USB 2.0 (1x)</li> <li>• LAN (1x) RJ-45 jack (10/100 Mbps)</li> </ul>

# Energy Meter USB

## USB ENERGY METER

This is an indirect insertion single-phase energy meter for DIN rail mounting and the connection is made via USB with the Horizone webserver or Horizone Mini.

Through the user interface of the web server to which it is connected, it allows monitoring of the power, voltage and current relative to the point where it is mounted. Thanks to the amperometric clamp supplied, with opening insertion, it is possible to measure any electrical phase available in the electrical panel, without having to intervene directly in the relative wiring. To work requires a free USB port on the Horizone or Horizone Mini webserver.

## Order Codes

**PM10M01USB**  
USB Energy Meter

# IP Touch Panel 5"

Horizone IP Touch Panel is an Android based touch panel with a coloured 5" display in which can be installed third-party applications for the integration of different systems.

## Technical Features

<b>Dimensions:</b>	<ul style="list-style-type: none"> <li>• 81x132x14 mm</li> <li>• Inwall Box 2M – Ex. Bticino 502E</li> <li>• Inwall Box Round 60 Diameter – Ex. Gewiss 24232</li> <li>• Inwall Box 3M – Ex. Bticino 503E</li> </ul>
<b>Orientation</b>	<ul style="list-style-type: none"> <li>• Horizontal or Vertical</li> </ul>
<b>Supply</b>	<ul style="list-style-type: none"> <li>• POE (Power Over Ethernet)</li> </ul>
<b>Monitor</b>	<ul style="list-style-type: none"> <li>• LCD HD IPS 5"</li> </ul>
<b>Resolution</b>	<ul style="list-style-type: none"> <li>• 1280x720 px</li> </ul>
<b>Color</b>	<ul style="list-style-type: none"> <li>• 16,7 Millions Colors ( True Colors)</li> </ul>
<b>Brightness</b>	<ul style="list-style-type: none"> <li>• 400 nits</li> </ul>
<b>Touch Screen</b>	<ul style="list-style-type: none"> <li>• Capacitive with multi touch &amp; gestures support</li> </ul>
<b>Speakers</b>	<ul style="list-style-type: none"> <li>• High definition audio through incorporated amps - 2 W</li> </ul>
<b>Microphone</b>	<ul style="list-style-type: none"> <li>• Integrated – echo canceling high resolution</li> </ul>
<b>Gyroscope</b>	<ul style="list-style-type: none"> <li>• Auto survey orientation</li> </ul>
<b>Proximity</b>	<ul style="list-style-type: none"> <li>• Integrated</li> </ul>
<b>Brightness Sensor</b>	<ul style="list-style-type: none"> <li>• Integrated</li> </ul>
<b>Connectivity</b>	<ul style="list-style-type: none"> <li>• LAN 100 baseIT</li> </ul>
<b>Certification</b>	<ul style="list-style-type: none"> <li>• CE / FCC CLASS B / FCC part15 / ROHS / WEEE</li> </ul>
<b>Operating System</b>	<ul style="list-style-type: none"> <li>• Android 6</li> </ul>

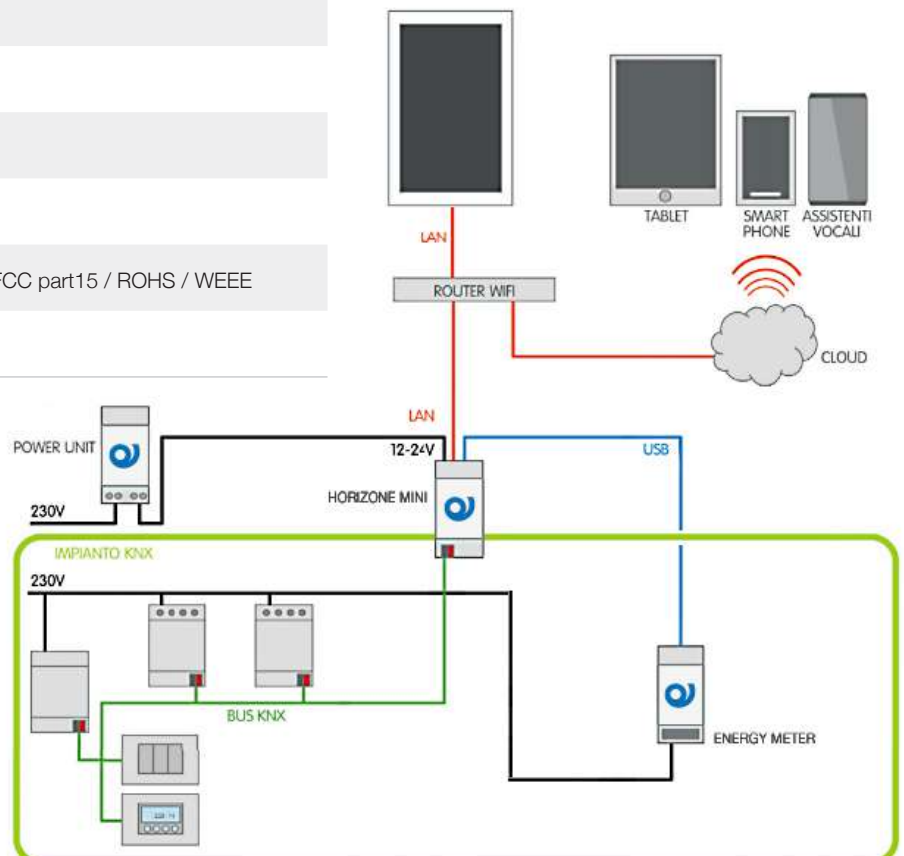
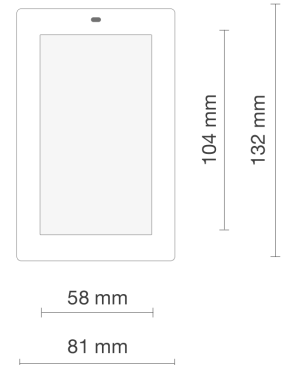
## Order Codes

### WS05H10WEB

Horizone Touch Panel 5" - Black

### WS05H20WEB

Horizone Touch Panel 5" - White



# IP Touch Panel 8"

Horzone IP Touch Panel is an Android based touch panel with a coloured 8" display in which can be installed third-party applications for the integration of different systems.

## Technical Features

<b>Dimensions:</b>	<ul style="list-style-type: none"> <li>• 224x149x16</li> </ul>
<b>Orientation</b>	<ul style="list-style-type: none"> <li>• Horizontal or Vertical</li> </ul>
<b>Supply</b>	<ul style="list-style-type: none"> <li>• POE (Power Over Ethernet)</li> </ul>
<b>Type</b>	<ul style="list-style-type: none"> <li>• LCD HD IPS 8"</li> </ul>
<b>Resolution</b>	<ul style="list-style-type: none"> <li>• 1280x720 px</li> </ul>
<b>Color</b>	<ul style="list-style-type: none"> <li>• 16,7 Millions Colors ( True Colors)</li> </ul>
<b>Brightness</b>	<ul style="list-style-type: none"> <li>• 400 nits</li> </ul>
<b>Touch Screen</b>	<ul style="list-style-type: none"> <li>• Capacitive with multi touch &amp; gestures support</li> </ul>
<b>Speakers</b>	<ul style="list-style-type: none"> <li>• High definition audio through incorporated amps - 2 W</li> </ul>
<b>Microphone</b>	<ul style="list-style-type: none"> <li>• Integrated – echo canceling high resolution</li> </ul>
<b>Gyroscope</b>	<ul style="list-style-type: none"> <li>• Auto survey orientation</li> </ul>
<b>Proximity</b>	<ul style="list-style-type: none"> <li>• Integrated</li> </ul>
<b>Brightness Sensor</b>	<ul style="list-style-type: none"> <li>• Integrated</li> </ul>
<b>Connectivity</b>	<ul style="list-style-type: none"> <li>• LAN 100 baseT</li> </ul>
<b>Certification</b>	<ul style="list-style-type: none"> <li>• CE / FCC CLASS B / FCC part15 / ROHS / WEEE</li> </ul>
<b>Operating System</b>	<ul style="list-style-type: none"> <li>• Android 6</li> </ul>

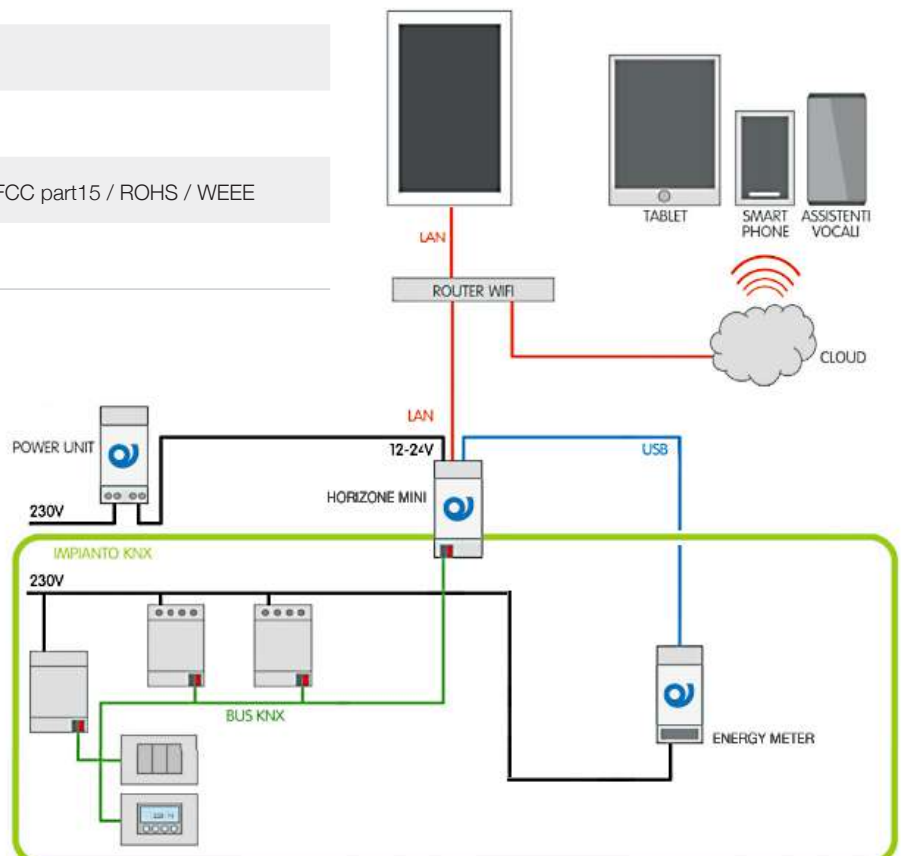
## Order Codes

### WS05H10WEB

Horzone Touch Panel 8" - Black

### WS05H20WEB

Horzone Touch Panel 8" - White



# DockingStation

iPad Air 2 / iPad Pro 9,7" & iPad mini 2 / iPad mini 4 Docking Station can hold and charge your iPad.  
Without any visible cables you can power your Docking Station by an inwall power supply.

## Order Codes



Docking Station for iPad Air 2 /  
iPad Pro 9,7" Metal\*  
**DS00A60ACC**



Docking Station for iPad Air 2 /  
iPad Pro 9,7" Metal - Black\*  
**DS00A62ACC**



Docking Station for iPad Air 2 /  
iPad Pro 9,7" White\*  
**DS00A21ACC**



Docking Station for iPad Mini 2 /  
Mini 4 Metal\*  
**DS00B60ACC**



Docking Station for iPad Mini 2 /  
Mini 4 Metal - Black\*  
**DS00B62ACC**



Docking Station for iPad Mini 2 /  
iPad Mini 4 White\*  
**DS00B21ACC**



# Esuite Software

ESuite software is dedicated for hotel management, for the supervision of KNX environments, access control and alarms. The software can be interfaced with BMS. Client remote management can be done via Internet or Ethernet. The package is available with Embedded PC including 2 clients.

## Technical Features

- Number of pages according to installed license.
- Number of clients according to installed license
- Up to 10 profiling groups
- Unlimited users
- Advanced ETS project data import
- Interfaced to third parties PMS



## Order Codes

### SW00D04KNX

eSuite interface to management systems

### SW01D05KNX

Embedded PC with eSuite - up to 10 pages - 2 clients

### SW02D05KNX

Embedded PC with eSuite up to 25 pages - 2 clients

### SW03D05KNX

Embedded PC with eSuite up to 40 pages - 2 clients

### SW04D05KNX

Embedded PC with eSuite up to 100 pages - 2 clients

### SW05D05KNX

Embedded PC with eSuite up to 150 pages - 2 clients

### SW06D05KNX

Embedded PC with eSuite up to 200 pages - 2 clients

### SW07D05KNX

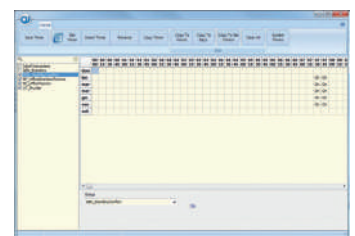
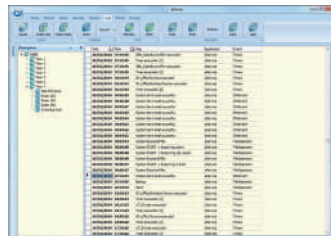
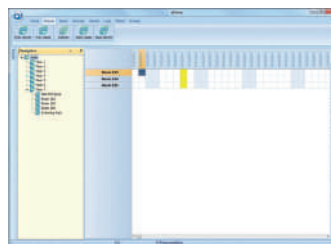
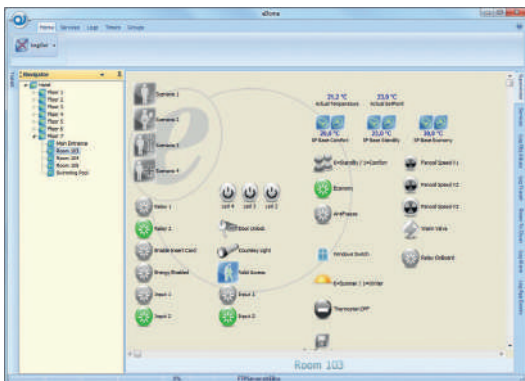
Upgrade rack PC

### SW00D03KNX

eSuite additional client

### SW01T05KNX

Tunneling module



# Thermostat HVAC

## 1 IN / 1 OUT – BASE

The TM11CxxKNX thermostat is an EIB / KNX device for controlling temperature applications in Home & Building Automation, and is characterized by the possibility of being installed on backboxes 2 or 3 modules rectangular or round.

It is available in a range of colours for the plexiglass cover and glass cover (to be ordered separately), which allow you to match the thermostat to all types of environments.

The thermostat features a large LCD for displaying the current temperature or the setpoint, fan speed, summer / winter mode and the 4 operating states. The unit is equipped with a physical ON / OFF input which can be used to interface a sensor for a window or some other devices, and an output relay to control the speed 1 of the fan coil or even a zone valve. The thermostat can also be configured for being used in combination with a switching actuator to control the three fan coil speeds. Control elements available for the user include two buttons for increasing or decreasing the setpoint temperature (current setting), and two buttons for increasing or decreasing the fan speed.



## Order Codes

### TM11C01KNX

Thermostat HVAC 1 IN - 1 OUT - Light gray

### TM11C11KNX

Thermostat HVAC 1 IN - 1 OUT - Anthracite

### TM11C21KNX

Thermostat HVAC 1 IN - 1 OUT - White

(Codes referred without glass or plexi frame).

## Technical Features

<b>Mechanical data</b>	<ul style="list-style-type: none"> <li>Dimensions: (W x H x D) 78 x 110 x 39,8 mm</li> </ul>
<b>Mounting</b>	<ul style="list-style-type: none"> <li>British box, german box or italian 2/3 modules box</li> </ul>
<b>Supply</b>	<ul style="list-style-type: none"> <li>Via bus EIB/KNX cable: 21 ÷ 32 Vdc</li> </ul>
<b>Rear Input - digital mode</b>	<ul style="list-style-type: none"> <li>For free potential contacts (dry contacts)</li> <li>Max. length of Connecting Cables ≤ 10 m (twisted cable)</li> </ul>
<b>Output rate</b>	<ul style="list-style-type: none"> <li>Max load 24 Vac/dc, 1 A</li> </ul>

# Thermostat Hotel

## HVAC 1 IN – BASE

The TM10DxxKNX thermostat is an EIB/KNX wall mounting device designed for HVAC applications in Home and Building installations (i.e. offices, hospitals, hotels, private houses, etc.). The device is equipped with one binary input (potential free contact) that can be used, for instance, to start/stop the HVAC units when a window has been opened (or closed) or for a general purpose usage.

The thermostat features a large LCD for displaying the current temperature or the setpoint, fan speed, summer / winter mode and the 4 operating states. The unit is equipped with a physical ON / OFF input which can be used to interface a sensor for a window or some other devices, and an output relay to control the speed 1 of the fan coil or even a zone valve. The thermostat can also be configured for being used in combination with a switching actuator to control the three fan coil speeds. Control elements available for the user include two buttons for increasing or decreasing the setpoint temperature (current setting), and two buttons for increasing or decreasing the fan speed.



## Order Codes

### TM10D01KNX

Thermostat Hotel HVAC 1 IN – Light Gray

### TM10D11KNX

Thermostat Hotel HVAC 1 IN – Black

### TM10D21KNX

Thermostat Hotel HVAC 1 IN – White

(Codes referred without glass or plexi frame).

## Technical Features

<b>Mechanical data</b>	<ul style="list-style-type: none"> <li>• Dimensions: (W x H x D) 78 x 110 x 39,8 mm</li> </ul>
<b>Mounting</b>	<ul style="list-style-type: none"> <li>• British box, german box or italian 2/3 modules box</li> </ul>
<b>Supply</b>	<ul style="list-style-type: none"> <li>• Via bus EIB/KNX cable: 21 ÷ 32 Vdc</li> </ul>
<b>Rear Input - digital mode</b>	<ul style="list-style-type: none"> <li>• For free potential contacts (dry contacts)</li> <li>• Max. length of Connecting Cables ≤ 10 m (twisted cable)</li> </ul>

# Transponder Reader

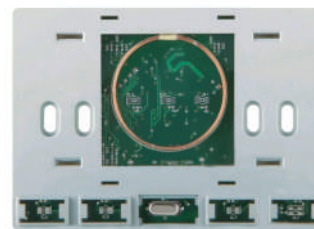
## 2 IN / 2 OUT - BASE

The Transponder Reader TR22AxxKNX is an EIB/KNX wall mounting device suitable to access control applications.

This device can be used in any kind of building (Hotel, Hospital, Offices, Parking, etc.) where the access control application is required. The device is equipped with two binary inputs (dry contacts) that can be used, for instance, to control the door status or other signals coming from external switches/contacts (i.e. windows, bathroom emergency alarms, etc.). The transponder reader is equipped also with two output relays which can be used for general purposes, typically to open the door or turning on the courtesy light inside the room. The product provides on the front side four LEDs in order to enlighten 4 icons to display the following states (e.g. in case of Hotel management):

- SOS request
- Service Call (clean room, etc.)
- Client status ("Busy room" or "Do not Disturb")

The LEDs and icons can be configured in association with other alarms or events. The transponder reader can read cards or keys at a maximum distance of 30mm from the front side.



## Order Codes

### TR22A01KNX

Transponder reader 2 IN - 2 OUT Light gray

### TR22A11KNX

Transponder reader 2 IN - 2 OUT Anthracite

### TR22A21KNX

Transponder reader 2 IN - 2 OUT White

(Codes referred without glass or plexi frame).

## Technical Features

<b>Mechanical data</b>	<ul style="list-style-type: none"> <li>• Dimensions: (W x H x D) 78 x 110 x 37 mm</li> </ul>
<b>Mounting</b>	<ul style="list-style-type: none"> <li>• British box, german box or italian 2/3 modules box</li> </ul>
<b>Supply</b>	<ul style="list-style-type: none"> <li>• Via bus EIB/KNX cable: 21 ÷ 32 Vdc</li> <li>• Supplementary 12 ÷ 24 Vac/dc ± 10% 150 mA Max</li> </ul>
<b>Rear Input - digital mode</b>	<ul style="list-style-type: none"> <li>• For free potential contacts (dry contacts)</li> <li>• Max. length of Connecting Cables ≤ 10 m (twisted cable)</li> </ul>
<b>Output rate</b>	<ul style="list-style-type: none"> <li>• Max load 24 Vac/dc, 2 A</li> </ul>

## Transformers for Access Control

Codes	DIN	Supply	Output
PS00T10TRA	2 Mod	230 Vac	12/24 Vac 10 VA
PS00T24TRA	3 Mod	230 Vac	12/24 Vac 24 VA
PS00T40TRA	3 Mod	230 Vac	12/24 Vac 40 VA

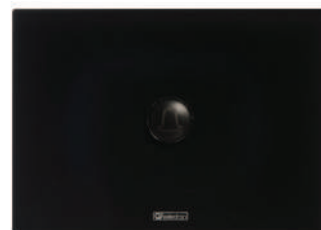
# Transponder Reader

## WITH BELL - 2 IN / 2 OUT

The Transponder Reader TR32Ax9KNX is an EIB/KNX wall mounting device suitable to access control applications. This device can be used in any kind of building (Hotel, Hospital, Offices, Parking, etc.) where the access control application is required. The device is equipped with two binary inputs (dry contacts) that can be used, for instance, to control the door status or other signals coming from external switches/contacts (i.e. windows, bathroom emergency alarms, etc.) and with one frontal button freely configurable by ETS. The transponder reader is equipped also with two output relays which can be used for general purposes, typically to open the door or turning on the courtesy light inside the room. The product provides on the front side four LEDs in order to enlighten 4 icons to display the following states (e.g. in case of Hotel management):

- SOS request
- Service Call (clean room, etc.)
- Client status ("Busy room" or "Do not Disturb")

The LEDs and icons can be configured in association with other alarms or events. The transponder reader can read cards or keys at a maximum distance of 30 mm from the front side.



### Order Codes

#### TR32A09KNX

Transponder reader with bell 2 IN - 2 OUT  
Silver

#### TR32A19KNX

Transponder reader with bell 2 IN - 2 OUT  
Black

#### TR32A29KNX

Transponder reader with bell 2 IN - 2 OUT  
White

### Technical Features

<b>Mechanical data</b>	<ul style="list-style-type: none"> <li>• Dimensions: (W x H x D) 78 x 110 x 37 mm</li> </ul>
<b>Mounting</b>	<ul style="list-style-type: none"> <li>• British box, german box or italian 2/3 modules box</li> </ul>
<b>Supply</b>	<ul style="list-style-type: none"> <li>• Via bus EIB/KNX cable: 21 ÷ 32 Vdc</li> <li>• Supplementary 12 ÷ 24 Vac/dc ± 10% 150 mA Max</li> </ul>
<b>Rear Input - digital mode</b>	<ul style="list-style-type: none"> <li>• For free potential contacts (dry contacts)</li> <li>• Max. length of Connecting Cables ≤ 10 m (twisted cable)</li> </ul>
<b>Output rate</b>	<ul style="list-style-type: none"> <li>• Max load 24 Vac/dc, 2 A</li> </ul>

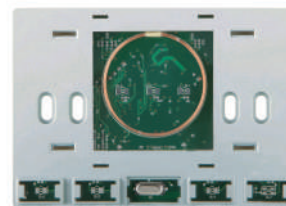
### Transformers for Access Control

Codes	DIN	Supply	Output
PS00T10TRA	2 Mod	230 Vac	12/24 Vac 10 VA
PS00T24TRA	3 Mod	230 Vac	12/24 Vac 24 VA
PS00T40TRA	3 Mod	230 Vac	12/24 Vac 40 VA

# Transponder Reader

## EXTERNAL - 1 IN / 1 OUT – BASE

The Transponder Reader TR22AxxKNX is an EIB/KNX wall mounting device suitable to access control applications. This device can be used in any kind of building (Hotel, Hospital, Offices, Parking, etc.) where the access control application is required. The device is equipped with two binary inputs (dry contacts) that can be used, for instance, to control the door status or other signals coming from external switches/contacts (i.e. windows, bathroom emergency alarms, etc.). The transponder reader is equipped also with two output relays which can be used for general purposes, typically to open the door or turning on the courtesy light inside the room. The product provides on the front side four LEDs in order to enlighten 4 icons to display the following states (e.g. in case of Hotel management): • Access Allowed/ Not Allowed • SOS request • Service Call (clean room, etc.) • Client status (“Busy room” or “Do not Disturb”) The LEDs and icons can be configured in association with other alarms or events. The transponder reader can read cards or keys at a maximum distance of 30mm from the front side. IP42 Protection class.



### Order Codes

#### TR22A11KNX-EXT

External Transponder Reader 2 IN - 2 OUT

(Codes referred without glass or plexi frame).

### Technical Features

<b>Mechanical data</b>	<ul style="list-style-type: none"> <li>• Dimensions: (W x H x D) 78 x 110 x 39,8 mm</li> </ul>
<b>Mounting</b>	<ul style="list-style-type: none"> <li>• British box, german box or italian 2/3 modules box</li> </ul>
<b>Supply</b>	<ul style="list-style-type: none"> <li>• Via bus EIB/KNX cable: 21 ÷ 32 Vdc</li> <li>• Supplementary 12 ÷ 24 Vac/dc ± 10% 150 mA Max</li> </ul>
<b>Rear Input - digital mode</b>	<ul style="list-style-type: none"> <li>• For free potential contacts (dry contacts)</li> <li>• Max. length of Connecting Cables ≤ 10 m (twisted cable)</li> </ul>
<b>Output rate</b>	<ul style="list-style-type: none"> <li>• Max load 24 Vac/dc, 2 A</li> </ul>

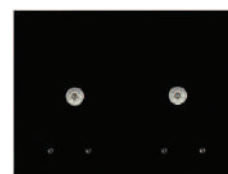
### Transformers for Access Control

Codes	DIN	Supply	Output
PS00T10TRA	2 Mod	230 Vac	12/24 Vac 10 VA
PS00T24TRA	3 Mod	230 Vac	12/24 Vac 24 VA
PS00T40TRA	3 Mod	230 Vac	12/24 Vac 40 VA

# Plexiglass Plate

## FOR EXTERNAL TRANSPONDER READER 2 IN - 2 OUT

Plexiglass Plate for the code TR22A11KNX-EXT



### Order Codes

#### PX15A14ACC

Plexiglass plate for External Transponder Reader 2IN - 2 OUT - Black

#### PX10A24ACC

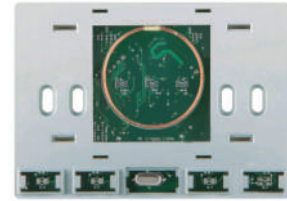
Plexiglass plate for External Transponder Reader 2IN - 2 OUT - White

# Transponder Holder

## 2 IN / 2 OUT - BASE

The Transponder Holder TH22AxxKNX is an EIB/KNX wall mounting device suitable to access control applications. It can be used for detecting and monitoring the presence of guests or service staff in a room. The device is equipped with two binary inputs (dry contacts) that can be used, for instance, to control the door status or other signals coming from external switches/contacts (i.e. windows, bathroom emergency alarms, etc.).

On the front of the transponder holder there is a blue light LED that is useful to help the guest to insert card in the device. Removing the card, after a programmable time, all the room services are switched off to preserve energy.



### Order Codes

**TH22A01KNX**

Transponder Holder 2 IN - 2 OUT - Light Gray

**TH22A11KNX**

Transponder Holder 2 IN - 2 OUT - Anthracit

**TH22A21KNX**

Transponder Holder 2 IN - 2 OUT - White

(Codes referred without glass or plexi frame).

### Technical Features

<b>Mechanical data</b>	<ul style="list-style-type: none"> <li>• Dimensions: (W x H x D) 78 x 110 x 39,8 mm</li> </ul>
<b>Mounting</b>	<ul style="list-style-type: none"> <li>• British box, german box or italian 2/3 modules box</li> </ul>
<b>Supply</b>	<ul style="list-style-type: none"> <li>• Via bus EIB/KNX cable: 21 ÷ 32 Vdc</li> <li>• Supplementary 12 ÷ 24 Vac/dc ± 10% 150 mA Max</li> </ul>
<b>Rear Input - digital mode</b>	<ul style="list-style-type: none"> <li>• For free potential contacts (dry contacts)</li> <li>• Max. length of Connecting Cables ≤ 10 m (twisted cable)</li> </ul>
<b>Output rate</b>	<ul style="list-style-type: none"> <li>• Max load 24 Vac/dc, 2 A</li> </ul>

# Transponder Encoder



The encoder is a device that writes / reads RFID tag. The device is surface mounting in on a 3 modules special box, equipped with a USB interface that also provide the power supply. The device is provided with a driver to allow writing and reading functionality.

## Order Codes

**TE00A01KNX**  
Transponder Encoder

## Technical Features

<b>Mechanical data</b>	<ul style="list-style-type: none"> <li>• Dimensions: (W x H x D) 78 x 110 x 39,8 mm</li> </ul>
<b>Mounting</b>	<ul style="list-style-type: none"> <li>• Placed on desk</li> </ul>
<b>Supply</b>	<ul style="list-style-type: none"> <li>• USB port: 5 V - 150 mA</li> </ul>
<b>Connection</b>	<ul style="list-style-type: none"> <li>• USB Connector type A</li> </ul>

# Transponder Cards and Key Holder



### Dimensions and characteristics of the Card

- Complies with ISO 7810 (85.6 x 54 x 0.76 mm)
- Possibility of serigraphy on both sides (on request)
- Dual technology version (RFID and magnetic stripe on request)

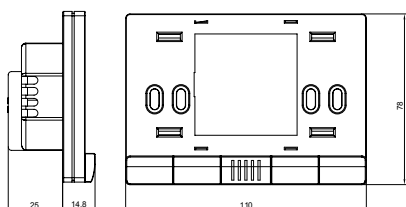
### Dimensions and characteristics of Key chains

- Dimensions and Material: ABS 38 x 34 x 6 mm
- Frequency: 125 KHz-
- Temperature: from -10°C to 50°C

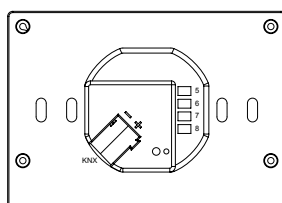
## Order Codes

**CD00A02TRC**  
Transponder Cards Blank - 50 pcs  
**CD00A03TRC**  
Transponder Cards Blank - 250 pcs  
**CD00B02TRC**  
Transponder Keyholder - 50 pcs

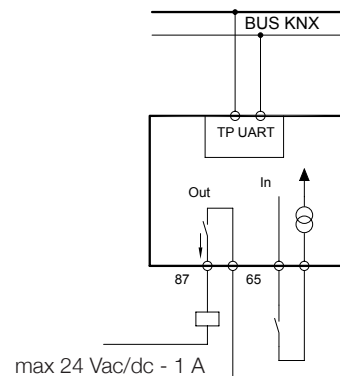
## Thermostat



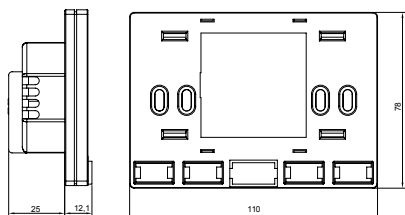
TM11C01KNX - TM11C11KNX - TM11C21KNX



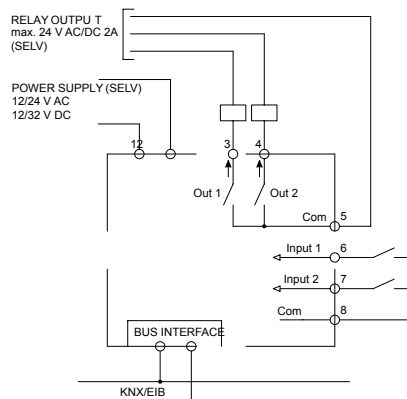
TM11C01KNX - TM11C11KNX - TM11C21KNX  
TM10D01KNX - TM10D11KNX - TM10D21KNX



## Transponder Reader & Holder



TR22A01KNX  
TR22A11KNX  
TR22A21KNX  
TH22A01KNX  
TH22A11KNX  
TH22A21KNX



TR22A01KNX -  
TR22A11KNX  
TR22A21KNX TH22A01KNX  
TH22A11KNX -  
TH22A21KNX



## Plexiglass Range

## Glass Range



Transponder reader  
Silver TR22A09KNX



Transponder holder  
Silver TH22A09KNX



Transponder reader  
Black TR22A19KNX



Transponder holder  
Black TH22A19KNX



Transponder reader  
White TR22A29KNX



Transponder holder  
White TH22A29KNX



Thermostat HVAC  
Silver TM11C09KNX



Thermostat HVAC Hotel  
Silver TM10D09KNX



Thermostat HVAC  
Black TM11C19KNX



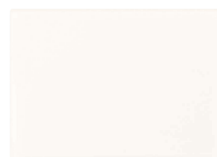
Thermostat HVAC Hotel Black  
TM10D19KNX



Thermostat HVAC  
White TM11C29KNX



Thermostat HVAC Hotel  
White TM10D29KNX



Glass VT12 Oyster White



Glass VT15 Black



Glass VT23 Iron



Glass VT24 Gold

COLORS	TM11C/TM10D	TR22A	TH22A
Silver	VT00A01ACC	VT00A02ACC	VT00A03ACC
Black	VT00A11ACC	VT00A12ACC	VT00A13ACC
White	VT00A21ACC	VT00A22ACC	VT00A23ACC

Glass cover for the codes:

TM11CxxKNX

TM10DxxKNX

TR22AxxKNX

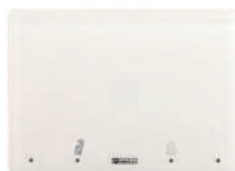
TH22AxxKNX

For colour order number to insert in pos. 00

See the section glass colour range

## Customization

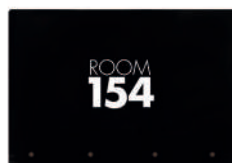
Customization on demand is possible for the frames (glass or plexi) for the codes TR22A and TH22A (es. Hotel Logo, number of room...).



Icons



Hotel Logo



Room number

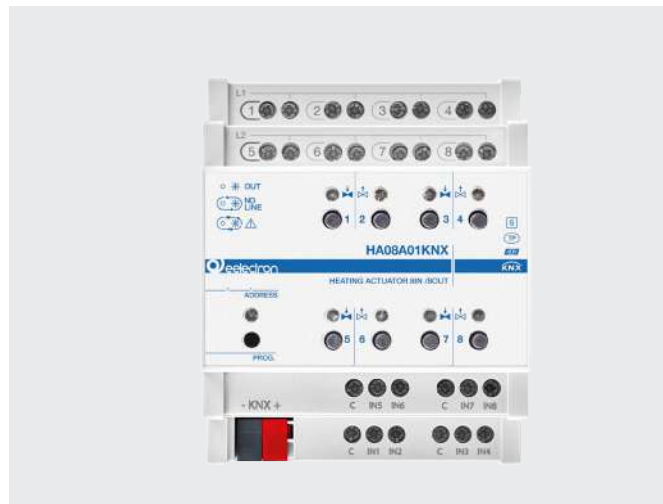
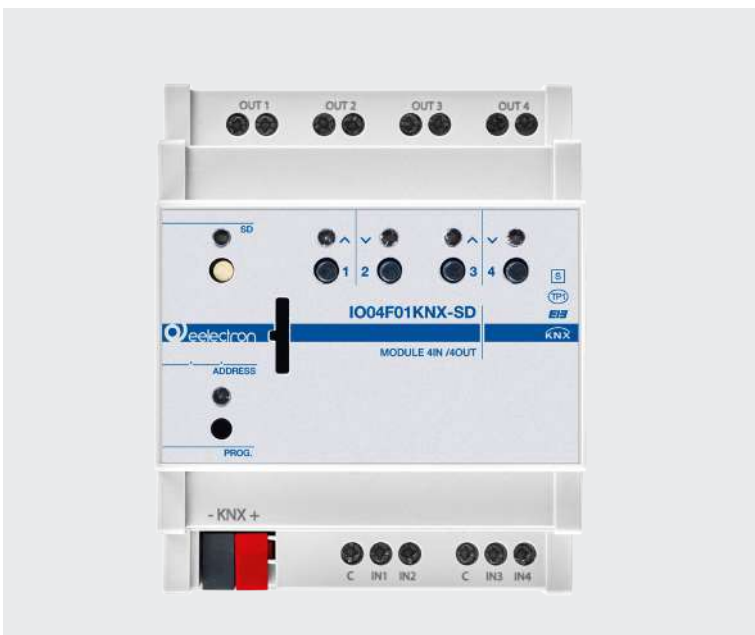
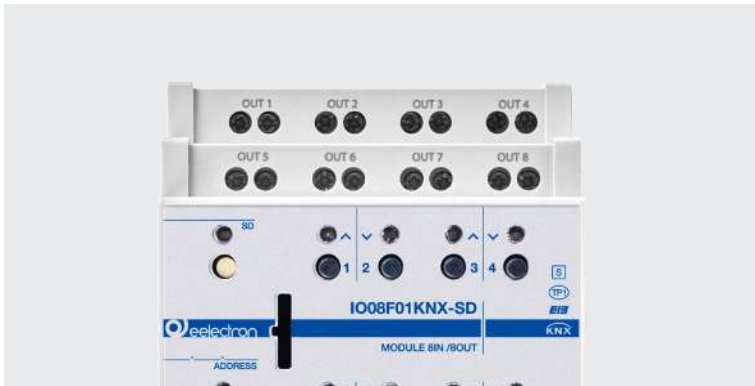
# Actuators



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



Actuators, Dimmers, Presence Detectors, System components



Universal actuator  
16 IN / 16 OUT with  
manual control

Universal actuator  
4 IN / 4 OUT with  
manual control

Heating actuator  
8 IN / 8 OUT with  
manual control

Universal actuator  
16 OUT with  
manual control

Dimmer 2 / 4 channels  
x 300 W

Multi.Sensor

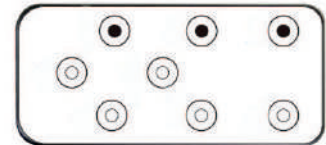


# Inwall Actuator

3 IN / 2 OUT

IO32D01KNX module includes: 2 digital inputs, 1 analog input, 2 relay outputs (bistable).

Digital inputs are intended to be connected to free potential contacts and can interface sensors, conventional push buttons, etc; they can be used for on/off controls, dimming, shutter control, scene recall and control, sequences of 3 objects. Analog input, can manage one temperature probe (with On/Off threshold) or one thermostats to control heating and cooling equipments, valves, 2 and 4 pipes fan coils; etc. Analog input, alternatively to the temperature sensor, can manage a Infrared Receiver (IRX) in order to forward to the bus up to 8 functions coming from a Infrared Remote Control (IRC) with on/off commands, scenes, sequences of 2 objects, dimmers and shutters. Outputs include switching functions with timed delays, stair-case functions, scene recall, lock or logic functions.



## Technical Features

<b>Mechanical data</b>	<ul style="list-style-type: none"> <li>Dimensions: (Ø x H) 52 x 28 mm</li> </ul>
<b>Mounting</b>	<ul style="list-style-type: none"> <li>Inwall</li> </ul>
<b>Supply</b>	<ul style="list-style-type: none"> <li>Via bus EIB/KNX cable: 21 ÷ 32 Vdc</li> </ul>
<b>Input - digital mode</b>	<ul style="list-style-type: none"> <li>For free potential contacts (dry contacts)</li> <li>Max. length of Connecting Cables ≤ 30 m (twisted cable)</li> </ul>
<b>Input - analog mode for temperature probe</b>	<ul style="list-style-type: none"> <li>For NTC temperature probe eelectron code:                             <ul style="list-style-type: none"> <li>TS01A01ACC (range from -20°C to +100°C)</li> <li>TS01B01ACC (range from -50°C to +60°C)</li> </ul> </li> <li>Max. length of Connecting Cable: ≤ 20 m (twisted cable)</li> </ul>
<b>Input - analog mode for Infrared Receiver (IRX)</b>	<ul style="list-style-type: none"> <li>These accessories must be used:                             <ul style="list-style-type: none"> <li>IR01A01ACC (IRX with cable and connector)</li> <li>RC80A01IRC (IR remote control 8 channels)</li> </ul> </li> </ul>
<b>Output rate</b>	<ul style="list-style-type: none"> <li>10 A cos φ 1 - 230 Vac</li> <li>Max capacitance @230 V: 21 µF 5.000 cycles</li> <li>Incandescent lamps max load: 1500 W 50.000 cycles</li> <li>Fluorescent lamps max load: 6 x18 W 25.000 cycles</li> <li>Halogen lamps max load: 500 W 50.000 cycles</li> <li>Gas discharge lamps max load: 200 W 25.000 cycles</li> </ul>

## Order Codes

**IO32D01KNX**  
Inwall Actuator 3 IN / 2 OUT

**IR00A01ACC**  
IRX Cabling

**RC80A01IRC**  
IRC Device

# Universal Actuator

4 IN / 4 OUT PLUS

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 signalling 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

<b>Mechanical data</b>	<ul style="list-style-type: none"> <li>• Dimensions: 4 DIN modules</li> </ul>
<b>Supply</b>	<ul style="list-style-type: none"> <li>• Via bus EIB/KNX cable: 21 ÷ 32 Vdc</li> </ul>
<b>Input - digital mode</b>	<ul style="list-style-type: none"> <li>• For free potential contacts (dry contacts)</li> <li>• Max. length of Connecting Cables ≤ 30 m (twisted cable)</li> </ul>
<b>Input - analog mode for temperature probe</b>	<ul style="list-style-type: none"> <li>• For NTC temperature probe eelectron code:</li> <li>• TS01A01ACC (range from -20°C to +100°C)</li> <li>• TS01B01ACC (range from -50°C to +60°C)</li> <li>• Max. length of Connecting Cable: ≤ 20 m (twisted cable)</li> </ul>
<b>Output rate</b>	<ul style="list-style-type: none"> <li>• 16 A cos φ 1 - 230 Vac</li> <li>• 8 A cos φ 0.6 - 230 Vac</li> <li>• Max current relay output: 16 A/16 AX (140 μF)</li> <li>• Max peak current: 165 A / 20 ms</li> <li>• Incandescent lamps: max 10 A</li> <li>• Motors e motor reduction units: max 10 A</li> <li>• Fluorescent lamps (max 140 μF) max 3 A (700 W)</li> <li>• Electronic ballast: max 6 A</li> <li>• 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</li> </ul>

## Order Codes

### IO04F01KNX

Universal Actuator 4 IN / 4 OUT Plus

### IO04F01KNX-SD

Universal Actuator 4 IN / 4 OUT + SD Card

# Universal Actuator

8 IN / 8 OUT PLUS

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 signalling 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

<b>Mechanical data</b>	<ul style="list-style-type: none"> <li>• Dimensions: 4 DIN modules</li> </ul>
<b>Supply</b>	<ul style="list-style-type: none"> <li>• Via bus EIB/KNX cable: 21 ÷ 32 Vdc</li> </ul>
<b>Input - digital mode</b>	<ul style="list-style-type: none"> <li>• For free potential contacts (dry contacts)</li> <li>• Max. length of Connecting Cables ≤ 30 m (twisted cable)</li> </ul>
<b>Input - analog mode for temperature probe</b>	<ul style="list-style-type: none"> <li>• For NTC temperature probe eelectron code:</li> <li>• TS01A01ACC (range from -20°C to +100°C)</li> <li>• TS01B01ACC (range from -50°C to +60°C)</li> <li>• Max. length of Connecting Cable: ≤ 20 m (twisted cable)</li> </ul>
<b>Output rate</b>	<ul style="list-style-type: none"> <li>• 16 A cos φ 1 - 230 Vac</li> <li>• 8 A cos φ 0.6 - 230 Vac</li> <li>• Max current relay output: 16 A/16 AX (140 μF)</li> <li>• Max peak current: 165 A / 20 ms</li> <li>• Incandescent lamps: max 10 A</li> <li>• Motors e motor reduction units: max 10 A</li> <li>• Fluorescent lamps (max 140 μF) max 3 A (700 W)</li> <li>• Electronic ballast: max 6 A</li> <li>• 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</li> </ul>

## Order Codes

**IO08F01KNX**  
Universal Actuator 8 IN / 8 OUT Plus

**IO08F01KNX-SD**  
Universal Actuator 8 IN / 8 OUT + SD Card

# Universal Actuator

16 IN / 16 OUT PLUS

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 signalling 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 ÷ 16 are 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

<b>Mechanical data</b>	<ul style="list-style-type: none"> <li>• Dimensions: 4 DIN modules</li> </ul>
<b>Supply</b>	<ul style="list-style-type: none"> <li>• Via bus EIB/KNX cable: 21 ÷ 32 Vdc</li> </ul>
<b>Input - digital mode</b>	<ul style="list-style-type: none"> <li>• For free potential contacts (dry contacts)</li> <li>• Max. length of Connecting Cables ≤ 30 m (twisted cable)</li> </ul>
<b>Input - analog mode for temperature probe</b>	<ul style="list-style-type: none"> <li>• For NTC temperature probe eelectron code:</li> <li>• TS01A01ACC (range from -20°C to +100°C)</li> <li>• TS01B01ACC (range from -50°C to +60°C)</li> <li>• Max. length of Connecting Cable: ≤ 20 m (twisted cable)</li> </ul>
<b>Output rate</b>	<ul style="list-style-type: none"> <li>• 16 A cos φ 1 - 230 Vac</li> <li>• 8 A cos φ 0.6 - 230 Vac</li> <li>• Max current relay output: 16 A/16 AX (140 μF)</li> <li>• Max peak current: 165 A / 20 ms</li> <li>• Incandescent lamps: max 10 A</li> <li>• Motors e motor reduction units: max 10 A</li> <li>• Fluorescent lamps (max 140 μF) max 3 A (700 W)</li> <li>• Electronic ballast: max 6 A</li> <li>• 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</li> </ul>

## Order Codes

**IO16F01KNX**  
Universal Actuator 16 IN / 16 OUT Plus

**IO16F01KNX-SD**  
Universal Actuator 16 IN / 16 OUT + SD Card

# Module 16 Digital Inputs

16 IN

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

<b>Mechanical data</b>	<ul style="list-style-type: none"> <li>• Dimensions: 8 DIN modules</li> </ul>
<b>Supply</b>	<ul style="list-style-type: none"> <li>• Via bus EIB/KNX cable: 21 ÷ 32 Vdc</li> <li>• Auxiliary supply: 230 Vac</li> </ul>
<b>Input - digital mode</b>	<ul style="list-style-type: none"> <li>• For free potential contacts (dry contacts)</li> <li>• Max. length of Connecting Cables ≤ 100 m (twisted cable)</li> </ul>

## Order Codes

**BI16F01KNX**  
Din Module 16 Digital Inputs



# Universal Actuator

## 4 OUT - PLUS

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

<b>Mechanical data</b>	<ul style="list-style-type: none"> <li>• Dimensions: 4 DIN modules</li> </ul>
<b>Supply</b>	<ul style="list-style-type: none"> <li>• Via bus EIB/KNX cable: 21 ÷ 32 Vdc</li> </ul>
<b>Output rate</b>	<ul style="list-style-type: none"> <li>• 16 A cos <math>\phi</math> 1 - 230 Vac</li> <li>• 8 A cos <math>\phi</math> 0.6 - 230 Vac</li> <li>• Max current relay output: 16 A/16 AX (140 <math>\mu</math>F)</li> <li>• Max peak current: 165 A / 20 ms</li> <li>• Incandescent lamps: max 10 A</li> <li>• Motors e motor reduction units: max 10 A</li> <li>• Fluorescent lamps (max 140 <math>\mu</math>F) max 3 A (700 W)</li> <li>• Electronic ballast: max 6 A</li> <li>• 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</li> </ul>

### Order Codes

- BO04F01KNX**  
Universal Actuator 4 OUT Plus
- BO04F01KNX - SD**  
Universal Actuator 4 OUT + SD Card

# Universal Actuator

## 8 OUT - PLUS

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

<b>Mechanical data</b>	<ul style="list-style-type: none"> <li>• Dimensions: 4 DIN modules</li> </ul>
<b>Supply</b>	<ul style="list-style-type: none"> <li>• Via bus EIB/KNX cable: 21 ÷ 32 Vdc</li> </ul>
<b>Output rate</b>	<ul style="list-style-type: none"> <li>• 16 A cos <math>\phi</math> 1 - 230 Vac</li> <li>• 8 A cos <math>\phi</math> 0.6 - 230 Vac</li> <li>• Max current relay output: 16 A/16 AX (140 <math>\mu</math>F)</li> <li>• Max peak current: 165 A / 20 ms</li> <li>• Incandescent lamps: max 10 A</li> <li>• Motors e motor reduction units: max 10 A</li> <li>• Fluorescent lamps (max 140 <math>\mu</math>F) max 3 A (700 W)</li> <li>• Electronic ballast: max 6 A</li> <li>• 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</li> </ul>

### Order Codes

- BO08F01KNX**  
Universal Actuator 8 OUT Plus
- BO08F01KNX - SD**  
Universal Actuator 8 OUT + SD Card

# Universal Actuator

16 OUT - PLUS

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

<b>Mechanical data</b>	<ul style="list-style-type: none"> <li>• Dimensions: 8 DIN modules</li> </ul>
<b>Supply</b>	<ul style="list-style-type: none"> <li>• Via bus EIB/KNX cable: 21 ÷ 32 Vdc</li> </ul>
<b>Output rate</b>	<ul style="list-style-type: none"> <li>• 16 A cos <math>\phi</math> 1 - 230 Vac</li> <li>• 8 A cos <math>\phi</math> 0.6 - 230 Vac</li> <li>• Max current relay output: 16 A/16 AX (140 <math>\mu</math>F)</li> <li>• Max peak current: 165 A / 20 ms</li> <li>• Incandescent lamps: max 10 A</li> <li>• Motors e motor reduction units: max 10 A</li> <li>• Fluorescent lamps (max 140 <math>\mu</math>F) max 3 A (700 W)</li> <li>• Electronic ballast: max 6 A</li> <li>• 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</li> </ul>

## Order Codes

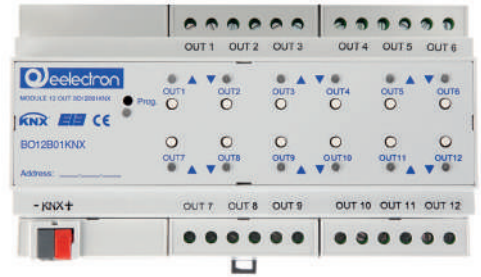
- BO16F01KNX**  
Universal Actuator 16 OUT Plus
- BO16F01KNX - SD**  
Universal Actuator 16 OUT + SD Card

# Universal Actuator

12 OUT - MANUAL CONTROL

BO12B01KNX is a Din Rail 12 output 16 A actuator and can be used to:

- Control up to 12 independent loads / lights
- Control up to 6 independent blind / roller shutters with mechanical end position Device is intended to be installed on DIN rail.



## Technical Features

<b>Mechanical data</b>	<ul style="list-style-type: none"> <li>• Dimensions: 9 DIN modules</li> </ul>
<b>Supply</b>	<ul style="list-style-type: none"> <li>• Via bus EIB/KNX cable: 21 ÷ 32 Vdc</li> </ul>
<b>Output rate</b>	<ul style="list-style-type: none"> <li>• 16 A cos <math>\phi</math> 1 - 230 Vac</li> <li>• 8 A cos <math>\phi</math> 0.6 - 230 Vac</li> <li>• Max current relay output: 16 A/16 AX (140 <math>\mu</math>F)</li> <li>• Max peak current: 165 A / 20 ms</li> <li>• Incandescent lamps: max 10 A</li> <li>• Motors e motor reduction units: max 10 A</li> <li>• Fluorescent lamps (max 140 <math>\mu</math>F) max 3 A (700 W)</li> <li>• Electronic ballast: max 6 A</li> <li>• 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</li> </ul>

## Order Codes

**BO12B01KNX**  
 Universal Actuator 12 OUT – Manual control

# 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 Vac between phase and neutral.



Technical Features	
<b>Mechanical data</b>	<ul style="list-style-type: none"> <li>• Dimensions: 4 DIN modules</li> </ul>
<b>Supply</b>	<ul style="list-style-type: none"> <li>• Via bus EIB/KNX cable: 21 ÷ 32 Vdc</li> <li>• Input power supply: 230 Vac 50/60 Hz</li> </ul>
<b>Connections</b>	<ul style="list-style-type: none"> <li>• Power supply &amp; load cable: max 2,5 mm<sup>2</sup></li> <li>• Local bus length: max 2 m between 2 modules</li> </ul>
<b>Output rate</b>	<ul style="list-style-type: none"> <li>• Incandescent or halogen lamps: 20-700 W</li> <li>• Ferromagnetic transformer 20-700 VA</li> <li>• Electronic transformer: 20-700 VA</li> <li>• Dimmable LED Lamps: Max 160 W</li> <li>• Compact fluorescent lamps (ESL/CFL): Max 160 W</li> </ul>

Order Codes
<p><b>DM01D01KNX</b> Universal Dimmer 1 Channel 700 W Master</p> <p><b>DM01D01ACC</b> Universal Dimmer 1 Channel 700 W Slave</p>

# 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

<b>Mechanical data</b>	<ul style="list-style-type: none"> <li>• Dimensions: 4 DIN modules</li> </ul>		
<b>Supply</b>	<ul style="list-style-type: none"> <li>• Via bus EIB/KNX cable: 21 ÷ 32 Vdc</li> <li>• Input power supply: 230 Vac 50/60 Hz</li> </ul>		
<b>Output rate</b>		Single	Paired
	Incandescent or halogen lamps (230 V~ 50/60 Hz) 300 W 600 W RC LIN	300 W	600 W
	Ferromagnetic transformer (Halogen lamps 12/24 V ~ 50/60 Hz) 200 VA 400 VA L (1) LIN	200 VA	400 VA
	Electronic transformers (Halogen lamps 12/24 V ~ 50/60 Hz)	60 VA	100 VA
	Dimmable LED lamps (230 V~ 50/60 Hz) - L	60 W	100 W
	Dimmable LED lamps (230 V~ 50/60 Hz) - RC	120 W	200 W
	Compact Fluorescent Lamps (ESL/CFL)	60 W	100 W

## Order Codes

**DM02A02KNX**  
 Universal DIN Dimmer 2 Channels x 300 W

# 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

<b>Mechanical data</b>	• Dimensions: 8 DIN modules		
<b>Supply</b>	<ul style="list-style-type: none"> <li>• Via bus EIB/KNX cable: 21 ÷ 32 Vdc</li> <li>• Input power supply: 230 Vac 50/60 Hz</li> </ul>		
<b>Output rate</b>		Single	Paired
	Incandescent or halogen lamps (230 V~ 50/60 Hz) 300 W 600 W RC LIN	300 W	600 W
	Ferromagnetic transformer (Halogen lamps 12/24 V ~ 50/60 Hz) 200 VA 400 VA L (1) LIN	200 VA	400 VA
	Electronic transformers (Halogen lamps 12/24 V ~ 50/60 Hz)	60 VA	100 VA
	Dimmable LED lamps (230 V~ 50/60 Hz) - L	60 W	100 W
	Dimmable LED lamps (230 V~ 50/60 Hz) - RC	120 W	200 W
	Compact Fluorescent Lamps (ESL/CFL)	60 W	100 W

## Order Codes

**DM04A02KNX**  
 Universal DIN Dimmer 4 Channels x 300 W

# Led Dimmer

CV 4 CHANNELS KNX

DL04A01KNX 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 color channel or 1 channel RGBW. Module can be powered from 12 to 48 Vdc and consequently can manage the outputs (LED strips) with voltage from 12 to 48 Vdc. The device includes a 16 A 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.

Available functions include block, logic, scenes, color sequences, etc.

Device is equipped with KNX communication interface.



## Technical Features

<b>Mechanical data</b>	<ul style="list-style-type: none"> <li>• Dimensions: 4 DIN modules</li> </ul>
<b>Supply</b>	<ul style="list-style-type: none"> <li>• From KNX bus 21 ÷ 32 Vdc SELV</li> <li>• AUX input to supply LED's : 12 ÷ 48 Vdc ± 10%</li> <li>• Current Consumption ≤16 A</li> </ul>
<b>Output rate</b>	<ul style="list-style-type: none"> <li>• Max output for each channel: 4 A</li> <li>• PWM frequency: 200 / 260 / 400 Hz</li> </ul>
<b>Hardware protection</b>	<ul style="list-style-type: none"> <li>• Over current</li> <li>• Over temperature</li> <li>• Reverse Polarity</li> </ul>

## Order Codes

**DL04A01KNX**  
Led Dimmer CV 4 Channels KNX



# Dimmer

4 CHANNELS X 1-10 V

DM04D01KNX is a KNX 4 channel dimmer with switching and brightness setting for lamps with operating devices with 1-10 V interface.

- Manual switching of the relays is independent of the Bus
- Switching of capacitive loads and the resulting high switchon currents
- Flexible assignment of control inputs to switching outputs, e.g. to control RGBW lamps
- Operation of the switching outputs as a switching actuator
- Connection of various external conductors
- No additional power supply necessary
- Feedback of switching state and brightness value
- Switch position display
- Burnin function for fluorescent lamps
- Switchon and dimming behaviour can be set
- Time functions: switchon delay, switchoff, delay, staircase lighting timer with runon time
- Integration into light scenes
- Operating hours counter



## Technical Features

<b>Mechanical data</b>	<ul style="list-style-type: none"> <li>• Dimensions: 4 DIN modules</li> </ul>
<b>Supply</b>	<ul style="list-style-type: none"> <li>• Via bus EIB/KNX cable: 21 ÷ 32 Vdc</li> </ul>
<b>Output rate</b>	<ul style="list-style-type: none"> <li>• Fluorescent lamps 16 AX</li> <li>• Minimum switching current 100 mA</li> <li>• Switch on current 150 µs 600 A</li> <li>• Switch on current 600 µs 300 A</li> <li>• Ohmic load 3680 W</li> <li>• Capacitive load 16 A / 200 µF</li> <li>• Incandescent lamps 3680 W</li> <li>• HV halogen lamps 3680 W</li> <li>• LV halogen lamps with inductive transformer 2000 VA</li> <li>• LV halogen lamps with Tronic transformer 2500 W</li> <li>• Fluorescent lamps T5/T8 uncompensated 3680 W</li> <li>• Parallel compensated 2500 W / 200 µF</li> <li>• Twinlamp circuit 3680 W / 200 µF</li> <li>• Compact fluorescent lamps uncompensated 3680 W</li> <li>• Parallel compensated 2500 W / 200 µF</li> <li>• Mercury vapour lamps uncompensated 3680 W</li> <li>• Parallel compensated 3680 W / 200 µF</li> </ul>

## Order Codes

**DM04D01KNX**  
4 Channels x 1-10 V

# Valves / Loads Actuator

8 IN / 4 + 4 OUT

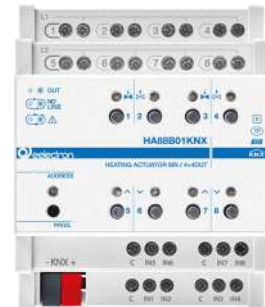
The HA88B01KNX device is EIB/KNX DIN rail actuator with 16 A - 230 Vac relay outputs; the device also include inputs for dry contacts (potential-free).

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

<b>Mechanical data</b>	<ul style="list-style-type: none"> <li>• Dimensions: 4 DIN modules</li> </ul>
<b>Supply</b>	<ul style="list-style-type: none"> <li>• Via bus EIB/KNX cable: 21 ÷ 32 Vdc</li> </ul>
<b>Input - digital mode</b>	<ul style="list-style-type: none"> <li>• For free potential contacts (dry contacts)</li> <li>• Max. length of Connecting Cables ≤ 30 m (twisted cable)</li> </ul>
<b>Input - analog mode for temperature probe</b>	<p>For NTC temperature probe eelectron code:</p> <ul style="list-style-type: none"> <li>• TS01A01ACC (range from -20°C to +100°C)</li> <li>• TS01B01ACC (range from -50°C to +60°C)</li> <li>• Max. length of Connecting Cable: ≤ 30 m (twisted cable)</li> </ul>
<b>Output rate - triac</b>	<ul style="list-style-type: none"> <li>• 24 ÷ 230 Vac 50/60 Hz</li> </ul>
<b>Output rate - relay</b>	<ul style="list-style-type: none"> <li>• 16 A cos φ 1 - 230 Vac</li> <li>• 8 A cos φ 0.6 - 230 Vac</li> <li>• Max current relay output: 16 A/16 AX (140 μF)</li> <li>• Max peak current: 165 A / 20 ms</li> <li>• Incandescent lamps: max 10 A</li> <li>• Motors e motor reduction units: max 10 A</li> <li>• Fluorescent lamps (max 140 μF) max 3A (700 W)</li> <li>• Electronic ballast: max 6 A</li> <li>• 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</li> </ul>

## Order Codes

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

# Fan Coil Controller

Universal Fancoil Controller 0-10 V

The TC57A01KNX device is a DIN rail EIB / KNX actuator for fan coil control with 3 x 0-10 V outputs and 3x16 A 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<sub>2</sub> 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

<b>Mechanical data</b>	<ul style="list-style-type: none"> <li>Dimensions: 6 DIN modules</li> </ul>
<b>Supply</b>	<ul style="list-style-type: none"> <li>Via bus EIB/KNX cable: 21 ÷ 32 Vdc</li> </ul>
<b>Input - digital mode</b>	<ul style="list-style-type: none"> <li>For free potential contacts (dry contacts)</li> <li>Max. length of Connecting Cables ≤ 30 m (twisted cable)</li> </ul>
<b>Input - analog mode for temperature probe</b>	For NTC temperature probe eelectron code: <ul style="list-style-type: none"> <li>TS01A01ACC (range from -20°C to +100°C)</li> <li>TS01B01ACC (range from -50°C to +60°C)</li> <li>Max. length of Connecting Cable: ≤ 30m (twisted cable)</li> </ul>
<b>Input - analog mode for general purpose</b>	<ul style="list-style-type: none"> <li>0 - 10 V / 4 - 20 mA</li> </ul>
<b>Output rate - relay</b>	<ul style="list-style-type: none"> <li>16 A cos φ 1 - 230 Vac</li> <li>8 A cos φ 0.6 - 230 Vac</li> <li>Resistive load: max 16 A</li> <li>Incandescent lamps: max 8 A</li> <li>Fluorescent lamps (max 140 μF) max 3 A (700 W)</li> </ul>
<b>Output rate - analog mode for general purpose</b>	<ul style="list-style-type: none"> <li>0 - 10 V, max 2.5 mA</li> </ul>

## Order Codes

### TC57A01KNX

Fan Coil Controller 0-10 V

# Fan Coil Controller

0-10 V

The Fan Coil Unit Controller is used to control fan coil units, floor heating or switch actuators. Depending on the design of the device, fan coil units are used in 2-pipe or 4- pipe systems. It controls up to 3 fan speeds (Relay or 0- 10V outputs) as well as heating or cooling valves (Proportional or electrothermal valve) respectively. The mode of control is based on two-step control or a time- discrete PI controller with setpoint/actual value comparison. The valves and the fan can be regulated directly by devices via the closed loop of this controller. When the Fan Coil Unit Controller is used in floor heating, it can control up to seven channel. All of the floor heating channel control is used a time-discrete PI controller with setpoint / actual value comparison.



## Technical Features

<b>Mechanical data</b>	<ul style="list-style-type: none"> <li>• Dimensions: 4 DIN Modules</li> </ul>
<b>Supply</b>	<ul style="list-style-type: none"> <li>• Via bus EIB/KNX cable: 21 ÷ 32 Vdc</li> </ul>
<b>Input - analog mode for temperature probe</b>	<ul style="list-style-type: none"> <li>• Digital sensor / max 7 sensors / max cable length 50 m</li> <li>For digital temperature probe electron code:               <ul style="list-style-type: none"> <li>• TS01F01ACC</li> </ul> </li> </ul>
<b>Output rate - relay</b>	<ul style="list-style-type: none"> <li>• 10 A cos <math>\varphi</math> 1 - 230 Vac</li> </ul>
<b>Output rate - analog mode for general purpose</b>	<ul style="list-style-type: none"> <li>• 0-10 Vdc 10 mA for each channel</li> </ul>

## Order Codes

**TC17B01KNX**  
Fan Coil controller 0-10 V

# Heating Actuator

4 IN / 4 OUT

The HA04A01KNX device is a EIB/KNX DIN rail actuators for electrothermal valves with 4 Triac outputs at 24 ÷ 230 Vac; 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 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

<b>Mechanical data</b>	<ul style="list-style-type: none"> <li>• Dimensions: 4 DIN Modules</li> </ul>
<b>Supply</b>	<ul style="list-style-type: none"> <li>• Via bus EIB/KNX cable: 21 ÷ 32 Vdc</li> </ul>
<b>Input - digital mode</b>	<ul style="list-style-type: none"> <li>• For free potential contacts (dry contacts)</li> <li>• Max. length of Connecting Cables ≤ 30 m (twisted cable)</li> </ul>
<b>Input - analog mode for temperature probe</b>	For NTC temperature probe eelectron code: <ul style="list-style-type: none"> <li>• TS01A01ACC (range from -20°C to +100°C)</li> <li>• TS01B01ACC (range from -50°C to +60°C)</li> <li>• Max. length of Connecting Cable: ≤ 30 m (twisted cable)</li> </ul>
<b>Output rate - triac</b>	<ul style="list-style-type: none"> <li>• 24 ÷ 230 Vac 50/60 Hz</li> </ul>

## Order Codes

**HA04A01KNX**  
Actuator for Electrothermal Valves 4  
Inputs / 4 Outputs

# Heating Actuator

8 IN / 8 OUT

The HA08A01KNX device is a EIB/KNX DIN rail actuators for electrothermal valves with 8 Triac outputs at  $24 \div 230$  Vac; 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

<b>Mechanical data</b>	<ul style="list-style-type: none"> <li>• Dimensions: 4 DIN Modules</li> </ul>
<b>Supply</b>	<ul style="list-style-type: none"> <li>• Via bus EIB/KNX cable: <math>21 \div 32</math> Vdc</li> </ul>
<b>Input - digital mode</b>	<ul style="list-style-type: none"> <li>• For free potential contacts (dry contacts)</li> <li>• Max. length of Connecting Cables <math>\leq 30</math> m (twisted cable)</li> </ul>
<b>Input - analog mode for temperature probe</b>	For NTC temperature probe eelectron code: <ul style="list-style-type: none"> <li>• TS01A01ACC (range from <math>-20^{\circ}\text{C}</math> to <math>+100^{\circ}\text{C}</math>)</li> <li>• TS01B01ACC (range from <math>-50^{\circ}\text{C}</math> to <math>+60^{\circ}\text{C}</math>)</li> <li>• Max. length of Connecting Cable: <math>\leq 30</math> m (twisted cable)</li> </ul>
<b>Output rate - triac</b>	<ul style="list-style-type: none"> <li>• <math>24 \div 230</math> Vac 50/60 Hz</li> </ul>

## Order Codes

### HA08A01KNX

Actuator for Electrothermal Valves 8 Inputs / 8 Outputs

# Push Button Interface

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

The device is dedicated to interface dry contacts with 2,4 or 6 input channels, such as sensors, conventional push buttons and 2 or 4 low voltage/current output channels to drive LED signal indicator lamps. These devices are 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 digital inputs can interface sensors, traditional buttons, etc; the 4 low-voltage output channels can drive LEDs for synoptic panels or switches. Outputs can drive low voltage LED; if possible use high-efficiency LED Eelectron cod. LD00A01ACC (blue color) or LD00A11ACC (white color).

There are also 8 blocks of logic functions freely configurable by ETS (6 blocks available on IO62D01KNX). Device is equipped with KNX communication interface.



## Technical Features

<b>Mechanical data</b>	<ul style="list-style-type: none"> <li>• Dimensions: (H x W x D) : 34 x 34 x 11 mm</li> </ul>
<b>Mounting</b>	<ul style="list-style-type: none"> <li>• Inwall</li> </ul>
<b>Supply</b>	<ul style="list-style-type: none"> <li>• Via bus EIB/KNX cable: 21 ÷ 32 Vdc</li> </ul>
<b>Input - digital mode</b>	<ul style="list-style-type: none"> <li>• For free potential contacts (dry contacts)</li> <li>• Max. length of Connecting Cables ≤ 30 m (twisted cable)</li> </ul>
<b>Output rate - LED</b>	For LED use Eelectron LED code: <ul style="list-style-type: none"> <li>• LD00A01ACC / LD00A11ACC 0.5 mA / 3.3 V</li> </ul>

## Order Codes

### IO22D01KNX

Push Button interface inwall 2 in - 2 led out module

### IO44D01KNX

Push Button interface inwall 4 in - 4 led out module

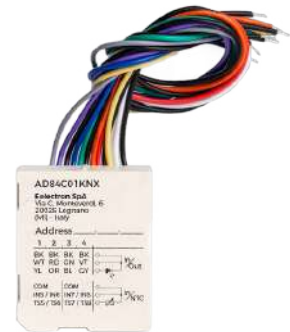
### IO62D01KNX

Push Button interface inwall 6 in - 2 led out module

# 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

<b>Mechanical data</b>	<ul style="list-style-type: none"> <li>• Dimensions: (H x W x D) : 43 x 36 x 24 mm</li> </ul>
<b>Mounting</b>	<ul style="list-style-type: none"> <li>• Inwall</li> </ul>
<b>Supply</b>	<ul style="list-style-type: none"> <li>• Via bus EIB/KNX cable: 21 ÷ 32 Vdc</li> </ul>
<b>Input - digital mode</b>	<ul style="list-style-type: none"> <li>• For free potential contacts (dry contacts)</li> <li>• Max. length of Connecting Cables ≤ 30 m (twisted cable)</li> </ul>
<b>Input - analog mode for temperature probe</b>	For NTC temperature probe eelectron code: <ul style="list-style-type: none"> <li>• TS01A01ACC (range from -20°C to +100°C)</li> <li>• TS01B01ACC (range from -50°C to +60°C)</li> <li>• Max. length of Connecting Cable: ≤ 30 m (twisted cable)</li> </ul>
<b>Output rate - LED</b>	For LED use Eelectron LED code: <ul style="list-style-type: none"> <li>• LD00A01ACC / LD00A11ACC) 0.5 mA / 3.3 V</li> </ul>

## Order Codes

### AD84C01KNX

Analog / Digital Module 8 Input - 4 Led Output - 4 Thermostats



# 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

<b>Mechanical data</b>	<ul style="list-style-type: none"> <li>• Dimensions: 6 DIN modules</li> </ul>
<b>Supply</b>	<ul style="list-style-type: none"> <li>• Via bus EIB/KNX cable: 21 ÷ 32 Vdc</li> <li>• Auxiliary supply: 9-30 Vdc, 100 mA, separated</li> </ul>
<b>Output</b>	<ul style="list-style-type: none"> <li>• DMX / RS485 bus</li> </ul>

## Order Codes

**IC00B01DMX**  
Gateway KNX-DMX

# DALI Gateway

KNX - DALI

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-addressable 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 16 Vdc) available. The device is designed for mounting on DIN rails.



## Technical Features

<b>Mechanical data</b>	<ul style="list-style-type: none"> <li>• Dimensions: 4 DIN modules</li> </ul>
<b>Supply</b>	<ul style="list-style-type: none"> <li>• Via bus EIB/KNX cable: 21 ÷ 32 Vdc</li> <li>• Auxiliary supply: 110 ÷ 240 Vac (50/60 Hz)</li> </ul>
<b>Output</b>	<ul style="list-style-type: none"> <li>• Control of up to 64 DALI devices</li> <li>• Automatic ECG replacement</li> <li>• Individual, group or central addressing</li> <li>• Emergency lighting management</li> <li>• Effect control for dynamic lighting effects or colour games</li> <li>• Manual operation of the DALI groups</li> <li>• Disabling function for each DALI group</li> <li>• Operating hours counter</li> </ul>

## Order Codes

**IC00P01DALI**  
Gateway KNX/DALI

**IC00P02DALI**  
Gateway KNX/DALI - tunable white

# KNX Basic Presence Detector

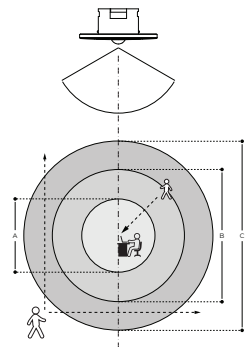
The BASIC version of Eelectron presence detectors range is suitable for ceiling mounting up to 4 m height.

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 more behaviors.



Detection range

h	A	B	C
2.5 m	3.8 m	4.5 m	6.4 m
3.0 m	4.0 m	5.0 m	7.0 m
3.5 m	5.0 m	6.0 m	8.6 m
4.0 m	6.0 m	7.2 m	9.2 m

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

## Technical Features

<b>Mechanical data</b>	<ul style="list-style-type: none"> <li>• Dimensions: Ø x H 81 x 37 mm</li> </ul>
<b>Mounting</b>	<ul style="list-style-type: none"> <li>• Ceiling mounting, flush-mounted, surface installation</li> </ul>
<b>Supply</b>	<ul style="list-style-type: none"> <li>• Via bus EIB/KNX cable: 21 ÷ 32 Vdc</li> </ul>
<b>Input - digital mode</b>	<ul style="list-style-type: none"> <li>• For free potential contacts (dry contacts)</li> <li>• Max. length of Connecting Cables ≤ 30 m (twisted cable)</li> </ul>
<b>Input - analog mode for temperature probe</b>	For NTC temperature probe eelectron code: <ul style="list-style-type: none"> <li>• TS01A01ACC (range from -20°C to +100°C)</li> <li>• TS01B01ACC (range from -50°C to +60°C)</li> <li>• Max. length of Connecting Cable: ≤ 30 m (twisted cable)</li> </ul>

## Order Codes

**PD00E00KNX**  
KNX Presence detector Basic

**PD00E00ACC**  
Surface mounting enclosure

**PD00E01ACC**  
Box mounting frame

# KNX Standard Presence Detector

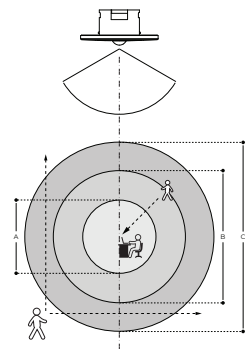
WITH LIGHTING CONTROL

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 more behaviors.

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 color 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.



Detection range

h	A	B	C
2.5 m	3.8 m	4.5 m	6.4 m
3.0 m	4.0 m	5.0 m	7.0 m
3.5 m	5.0 m	6.0 m	8.6 m
4.0 m	6.0 m	7.2 m	9.2 m

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

## Technical Features

<b>Mechanical data</b>	<ul style="list-style-type: none"> <li>Dimensions: Ø x H 81 x 37 mm</li> </ul>
<b>Mounting</b>	<ul style="list-style-type: none"> <li>Ceiling mounting, flush-mounted, surface installation</li> </ul>
<b>Supply</b>	<ul style="list-style-type: none"> <li>Via bus EIB/KNX cable: 21 ÷ 32 Vdc</li> </ul>
<b>Input - digital mode</b>	<ul style="list-style-type: none"> <li>For free potential contacts (dry contacts)</li> <li>Max. length of Connecting Cables ≤ 30 m (twisted cable)</li> </ul>
<b>Input - analog mode for temperature probe</b>	For NTC temperature probe eelectron code: <ul style="list-style-type: none"> <li>TS01A01ACC (range from -20°C to +100°C)</li> <li>TS01B01ACC (range from -50°C to +60°C)</li> <li>Max. length of Connecting Cable: ≤ 30 m (twisted cable)</li> </ul>

## Order Codes

**PD00E01KNX**  
KNX Presence detector Standard with lighting control

**PD00E00ACC**  
Surface mounting enclosure

**PD00E01ACC**  
Box mounting frame

# 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 more behaviors.

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 color 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.



Detection range

h	∅
5 m	6 m
12 m	14 m
16 m	19 m

## Technical Features

<b>Mechanical data</b>	<ul style="list-style-type: none"> <li>Dimensions: ∅ × H 81 × 37 mm</li> </ul>
<b>Mounting</b>	<ul style="list-style-type: none"> <li>Ceiling mounting, flush-mounted, surface installation</li> </ul>
<b>Supply</b>	<ul style="list-style-type: none"> <li>Via bus EIB/KNX cable: 21 ÷ 32 Vdc</li> </ul>
<b>Input - digital mode</b>	<ul style="list-style-type: none"> <li>For free potential contacts (dry contacts)</li> <li>Max. length of Connecting Cables ≤ 30 m (twisted cable)</li> </ul>
<b>Input - analog mode for temperature probe</b>	For NTC temperature probe eelectron code: <ul style="list-style-type: none"> <li>TS01A01ACC (range from -20°C to +100°C)</li> <li>TS01B01ACC (range from -50°C to +60°C)</li> <li>Max. length of Connecting Cable: ≤ 30 m (twisted cable)</li> </ul>

## Order Codes

### PD00E09KNX

KNX High bay presence detector with lighting control

### PD00E00ACC

Surface mounting enclosure

### PD00E01ACC

Box mounting frame

# KNX Multi.Sensor Presence Detector

WITH LIGHTING CONTROL, TEMPERATURE, HUMIDITY, SOUND SENSOR

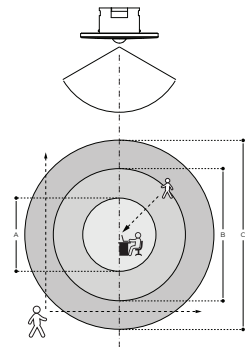
The MULTI.SENSOR of Eelectron presence detectors range is suitable for ceiling mounting up to 4 m height. The device includes a brightness sensor for environmental lighting control, humidity and temperature sensors with the relative control algorithms and a sound sensor that can be used in rooms with 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 ysteresis 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 more behaviors. 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 color 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.



h	A	B	C
2.5 m	3.8 m	4.5 m	6.4 m
3.0 m	4.0 m	5.0 m	7.0 m
3.5 m	5.0 m	6.0 m	8.6 m
4.0 m	6.0 m	7.2 m	9.2 m

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

## Technical Features

<b>Mechanical data</b>	<ul style="list-style-type: none"> <li>Dimensions: Ø x H 81 x 37 mm</li> </ul>
<b>Mounting</b>	<ul style="list-style-type: none"> <li>Ceiling mounting, flush-mounted, surface installation</li> </ul>
<b>Supply</b>	<ul style="list-style-type: none"> <li>Via bus EIB/KNX cable: 21 ÷ 32 Vdc</li> </ul>
<b>Input - digital mode</b>	<ul style="list-style-type: none"> <li>For free potential contacts (dry contacts)</li> <li>Max. length of Connecting Cables ≤ 30 m (twisted cable)</li> </ul>
<b>Input - analog mode for temperature probe</b>	For NTC temperature probe eelectron code: <ul style="list-style-type: none"> <li>TS01A01ACC (range from -20°C to +100°C)</li> <li>TS01B01ACC (range from -50°C to +60°C)</li> <li>Max. length of Connecting Cable: ≤ 30 m (twisted cable)</li> </ul>

## Order Codes

### PD00E02KNX

KNX Presence detector Multi.Sensor - lighting control, temperature, humidity, sound sensor

### PD00E00ACC

Surface mounting enclosure

### PD00E01ACC

Box mounting frame

### SM03E01ACC

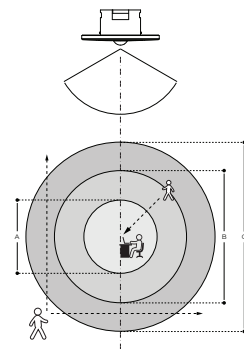
Slave sensor CO<sub>2</sub> + Temperature

# 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 ysteresis 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 more behaviors. 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 color 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.



h	A	B	C
2.5 m	3.8 m	4.5 m	6.4 m
3.0 m	4.0 m	5.0 m	7.0 m
3.5 m	5.0 m	6.0 m	8.6 m
4.0 m	6.0 m	7.2 m	9.2 m

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

## Technical Features

<b>Mechanical data</b>	<ul style="list-style-type: none"> <li>• Dimensions: Ø x H 81 x 37 mm</li> </ul>
<b>Mounting</b>	<ul style="list-style-type: none"> <li>• Ceiling mounting, flush-mounted, surface installation</li> </ul>
<b>Supply</b>	<ul style="list-style-type: none"> <li>• Via bus EIB/KNX cable: 21 ÷ 32 Vdc</li> </ul>
<b>Input - digital mode</b>	<ul style="list-style-type: none"> <li>• For free potential contacts (dry contacts)</li> <li>• Max. length of Connecting Cables ≤ 30 m (twisted cable)</li> </ul>
<b>Input - analog mode for temperature probe</b>	For NTC temperature probe eelectron code: <ul style="list-style-type: none"> <li>• TS01A01ACC (range from -20°C to +100°C)</li> <li>• TS01B01ACC (range from -50°C to +60°C)</li> <li>• Max. length of Connecting Cable: ≤ 30 m (twisted cable)</li> </ul>

## Order Codes

### PD00E03KNX

KNX Presence detector Space - lighting control, temperature, humidity, sound sensor, utilization range and occupancy

### PD00E00ACC

Surface mounting enclosure

### PD00E01ACC

Box mounting frame

### SM03E01ACC

Slave sensor CO<sub>2</sub> + Temperature

# Presence Detector

1 CH. CEILING MOUNTING PIR DETECTOR FOR “VIRTUAL HOLDER” APPLICATION

The device is a ceiling flush mount PIR detector. It can be widely used in home, office, conference room, classrooms, hotel, corridor, underground parking lots, etc.



## Technical Features

<b>Mechanical data</b>	<ul style="list-style-type: none"> <li>• Dimensions: (H x W x D): 64x80x80 mm</li> </ul>
<b>Mounting</b>	<ul style="list-style-type: none"> <li>• Ceiling mounting, surface installation</li> </ul>
<b>Range</b>	<ul style="list-style-type: none"> <li>• Up to Ø12 m at height of 2.5 m</li> <li>• Operating temperature: 20° C to +50° C</li> </ul>
<b>Output rate CH1 - for Automation Control</b>	<ul style="list-style-type: none"> <li>• (Lux is invalid):                             <ul style="list-style-type: none"> <li>- Max. 5 A (cos φ = 1) for 250 Vac</li> <li>- Max. 5 A for 30 Vdc</li> <li>- Max. 1 A (cos φ = 0.4) for 250 Vac</li> </ul> </li> </ul>

## Order Codes

- PD01X01CON**  
1 Ch. ceiling mounting PIR detector
- PD02X01ACC**  
Surface mounting enclosure

# 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. PD02X01CON 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

<b>Mechanical data</b>	<ul style="list-style-type: none"> <li>• Dimensions: (H x W x D): 64x80x80 mm</li> </ul>
<b>Mounting</b>	<ul style="list-style-type: none"> <li>• Ceiling mounting, surface installation</li> </ul>
<b>Range</b>	<ul style="list-style-type: none"> <li>• Up to Ø12 m at height of 2.5 m</li> <li>• Operating temperature: 20° C to +50° C</li> </ul>
<b>Output rate CH1 - for lighting</b>	<ul style="list-style-type: none"> <li>• Incandescent Lamp: Max. 2000 W</li> <li>• AC Halogen Lamp: Max. 1000 W</li> <li>• LV Halogen Lamp: Max. 1000 VA / 600 W (traditional Max. 1000VA / 900 W (electronics))</li> <li>• Fluorescent Lamp:                             <ul style="list-style-type: none"> <li>- Max. 1000 VA / 600 W (uncompensated)</li> <li>- Max. 900 VA / 100 µF</li> <li>- 25 x (1 x 18 W); 12 x (2 x 18 W);</li> <li>- 15 x (1 x 36 W); 7 x (2 x 36 W);</li> <li>- 10 x (1 x 58 W); 5 x (2 x 58 W)</li> </ul> </li> <li>• LED Lamp : Max. 400 W</li> <li>• Energy Saving Lamp: Max. 600 VA / 400 W (include CFL and PL lamp)</li> </ul>
<b>Output rate CH2 - for Automation Control</b>	<ul style="list-style-type: none"> <li>• (Lux is invalid):                             <ul style="list-style-type: none"> <li>- Max. 5 A (cos φ = 1) for 250 Vac</li> <li>- Max. 5 A for 30 Vdc</li> <li>- Max. 1 A (cos φ = 0.4) for 250 Vac</li> </ul> </li> </ul>

## Order Codes

- PD02X01CON**  
2 Ch. ceiling mounting PIR detector
- PD02X01ACC**  
Surface mounting enclosure



# Energy Meter

SINGLE PHASE 63A-KNX

This Energy-meter provides the essential measurement capabilities required to monitor a single phase electrical installation.

- 0.25-5 (63) A, Class B, 230 Vac 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 63 A)
- LCD display and 3 push-button keys (to read Energies, V, I, PF, F, P, Q and to configure some parameters)
- 1 push button and 1 LED dedicated to KNX
- Display with 8 digits
- Self supplied (by the input voltage itself).

Device is intended to be installed on DIN rail.



## Technical Features

<b>Mechanical data</b>	<ul style="list-style-type: none"> <li>• Dimensions: 2 DIN Modules</li> </ul>
<b>Supply</b>	<ul style="list-style-type: none"> <li>• Via bus EIB/KNX cable: 21 ÷ 32 Vdc</li> <li>• Auxiliary supply: 230 Vac</li> <li>• Operating supply voltage range: 92 ÷ 276 Vac</li> <li>• Reference current 5 A / max current 63A / min. current 0.25 A / starting current 0.015 A</li> <li>• Nominal frequency 50 Hz / frequency range: 45 ÷ 65 Hz</li> <li>• Max Power consumption (voltage circuit) &lt; 2VA (1 W)</li> </ul>
<b>Functionality</b>	<ul style="list-style-type: none"> <li>• Connection to single-phase network (2-wires)</li> <li>• Tariff for active and reactive energy: n° 2 - T1 / T2</li> </ul>
<b>Overload capability</b>	<ul style="list-style-type: none"> <li>• Permanent voltage 276 Vac / temporary (1 s) 300 Vac</li> <li>• Permanent current 63 A / temporary (10 ms) 1890 A</li> </ul>
<b>Protective class</b>	Class II

## Order Codes

**PM10D01KNX**  
Energy Meter Single Phase 63A KNX

# Energy Meter

KNX - COMPACT - THREE PHASE 63A - THREE PHASE TA

This Energy-meter provides the essential measurement capabilities required to monitor a three phase electrical installation.

- Direct connected (up to 63 A) cod. PM30D01KNX or TA connection cod. PM30D02KNX
- LCD display and 3 push-button keys (to read Energies, V, I, PF, F, P, Q and to configure some parameters)
- 1 push button and 1 LED dedicated to KNX.
- Display with 8 digits.
- Self supplied (by the input voltage itself).

Device is intended to be installed on DIN rail.



## Technical Features

<b>Mechanical data</b>	<ul style="list-style-type: none"> <li>• Dimensions: 4 DIN Modules</li> </ul>
<b>Supply</b>	<ul style="list-style-type: none"> <li>• Via bus EIB/KNX cable: 21 ÷ 32 Vdc</li> <li>• Reference voltage Line to Neutral: 230 Vac</li> <li>• Reference voltage Line to Line: 400 Vac</li> <li>• Operating supply voltage range: 92 ÷ 276 / 160 ÷ 480 Vac</li> <li>• cod. <b>PM30D01KNX</b>: reference current 5 A / maximum current 63 A / minimum current 0.25 A / starting current 0.015 A</li> <li>• cod. <b>PM30D02KNX</b>: reference current 1 A / maximum current 6 A / minimum current 0.01 A / starting current 0.001 A</li> <li>• cod. <b>PM30D02KNX</b>: max CT ratio 10000/5 A or 2000/1 ; ratio adjusting step 5 or 1 A</li> <li>• Nominal frequency 50 Hz / frequency range: 45 ÷ 65 Hz</li> <li>• Number of phases (wires): 3 (4)</li> <li>• Max Power consumption (voltage circuit) ≤2 VA (0.6 W)</li> </ul>
<b>Functionality</b>	<ul style="list-style-type: none"> <li>• Connection to three-phase network (4-wires)</li> <li>• Tariff for active energy: n° 2 - T1 / T2</li> </ul>
<b>Overload capability</b>	<p><b>Voltage:</b></p> <ul style="list-style-type: none"> <li>• continuous phase-phase 480 Vac</li> <li>• 1 second phase-phase 800 Vac</li> <li>• continuous phase-N 276 Vac</li> <li>• 1 second phase-N 300 Vac</li> </ul> <p><b>Current:</b></p> <ul style="list-style-type: none"> <li>• cod. <b>PM30D01KNX</b>:               <ul style="list-style-type: none"> <li>- continuous 63 A</li> <li>- 10ms 1890 A</li> </ul> </li> <li>• cod. <b>PM30D02KNX</b>:               <ul style="list-style-type: none"> <li>- continuous 6 A</li> <li>- 0,5 ms 120 A</li> </ul> </li> </ul>

## Order Codes

### PM30D01KNX

Energy Meter Three Phase 63 A KNX

### PM30D02KNX

Energy Meter Three Phase KNX with TA connection

# 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

<b>Mechanical data</b>	<ul style="list-style-type: none"> <li>• Dimensions: ØxH 130x68 mm</li> </ul>
<b>Supply</b>	<ul style="list-style-type: none"> <li>• Via bus EIB/KNX cable: 21 ÷ 32 Vdc</li> <li>• Auxiliary power supply: 21 ÷ 32 Vadc, Current consumption 100 ÷ 400 mA (dependent on the weather)</li> </ul>
<b>Degree of protection</b>	<ul style="list-style-type: none"> <li>• IP44</li> </ul>

## Order Codes

**WS00A01KNX**  
Weather Station Plus KNX

# 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

<b>Mechanical data</b>	<ul style="list-style-type: none"> <li>• Dimensions: 3 DIN Modules</li> </ul>
<b>Supply</b>	<ul style="list-style-type: none"> <li>• Via bus EIB/KNX cable: 21 ÷ 32 Vdc</li> <li>• Auxiliary supply: 115 ÷ 230 Vac 50/60 Hz</li> </ul>
<b>Output rate</b>	<ul style="list-style-type: none"> <li>• Capacity at 250 Vac 16 A</li> <li>• Lamp loads</li> <li>• Incandescent lamps 2000 W</li> <li>• Fluorescent lamps (compensated) 250 VA</li> <li>• Low voltage halogen lamps 11000 VA</li> <li>• Halogen lamps at 240 V 2000 W</li> <li>• Low consumption lamps (CFL) 200 VA</li> <li>• Low consumption lamps (Downlights) 200 VA</li> <li>• LED 25 VA</li> </ul>

## Order Codes

**ES01A00KNX**  
KNX time/astronomical master

**ES01A00ACC**  
Additional GPS module

# 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

<b>Mechanical data</b>	<ul style="list-style-type: none"> <li>• Dimensions: 3 DIN Modules</li> </ul>
<b>Supply</b>	<ul style="list-style-type: none"> <li>• Input voltage: 180 ÷ 264 Vac</li> <li>• Output voltage: Rated voltage 30 Vdc</li> <li>• Output current: Rated current 640 mA</li> </ul>

## Order Codes

**PS00D03KNX**  
640 mA Power Supply

# 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 Vdc power from an additional pair of terminals.



## Technical Features

<b>Mechanical data</b>	<ul style="list-style-type: none"> <li>• Dimensions: 5 DIN Modules</li> </ul>
<b>Supply</b>	<ul style="list-style-type: none"> <li>• Input voltage: 180 ÷ 264 Vac</li> <li>• Output voltage: Rated voltage 30 Vdc</li> <li>• Output current: Rated current 640 mA</li> </ul>

## Order Codes

**PS00E03KNX**  
640 mA Power Supply

# Line Coupler

KNX

The LC00B01KNX KNX line coupler has been made in a compact design. It connects two KNX bus segments (for example, a KNX line with a KNX area). The device has a filter table (8k bytes) and ensures a galvanic isolation between the lines. The coupler supports KNX longframes and is compatible with the ETS® software (ETS 4.2 or higher).

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.



## Technical Features

<b>Mechanical data</b>	<ul style="list-style-type: none"> <li>• Dimensions: 1 DIN Modules</li> </ul>
<b>Supply</b>	<ul style="list-style-type: none"> <li>• Via bus EIB/KNX cable: 21 ÷ 32 Vdc</li> </ul>

## Order Codes

**LC00B01KNX**  
Line Coupler KNX

# USB-KNX

INTERFACE

The device enables the KNX bus system to be interfaced to a PC equipped with a port for programming or managing through appropriate software.



## Technical Features

<b>Mechanical data</b>	<ul style="list-style-type: none"> <li>• Dimensions: 1 DIN Modules</li> </ul>
<b>Supply</b>	<ul style="list-style-type: none"> <li>• Via bus EIB/KNX cable: 21 ÷ 32 Vdc</li> <li>• USB consumption: &lt; 15 mA</li> </ul>
<b>USB Connection</b>	<ul style="list-style-type: none"> <li>• Connector type B</li> <li>• Max. cable length: 5 m</li> </ul>

## Order Codes

**IN00A03USB**  
USB-KNX Interface

# KNX IP Interface KNX Secure

## 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

<b>Mechanical data</b>	<ul style="list-style-type: none"> <li>• Dimensions: 1 DIN Modules</li> </ul>
<b>Supply</b>	<ul style="list-style-type: none"> <li>• Via bus EIB/KNX cable: 21 ÷ 32 Vdc</li> </ul>
<b>Lan connection</b>	<ul style="list-style-type: none"> <li>• RJ-45 socket</li> <li>• Up to 8 simultaneous tunneling connection</li> </ul>

### Order Codes

**IN00S01IPI**  
IP-KNX Interface KNX Secure

# IP Router-KNX Secure

## 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

<b>Mechanical data</b>	<ul style="list-style-type: none"> <li>• Dimensions: 1 DIN Modules</li> </ul>
<b>Supply</b>	<ul style="list-style-type: none"> <li>• Via bus EIB/KNX cable: 21 ÷ 32 Vdc</li> </ul>
<b>Lan connection</b>	<ul style="list-style-type: none"> <li>• RJ-45 socket</li> <li>• Up to 8 simultaneous tunneling connection</li> </ul>

### Order Codes

**IN00S01RIP**  
Router IP-KNX Interface KNX Secure

# 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

<b>Inner Conductor</b>	<ul style="list-style-type: none"> <li>• Solid bare copper wire</li> </ul>
<b>Construction</b>	<ul style="list-style-type: none"> <li>• 1 x 2 x 0,8 or 2 x 2 x 0,8 mm</li> </ul>
<b>Dielectric</b>	<ul style="list-style-type: none"> <li>• Low smoke zero halogen fire retardant compound (LSZHFRNC)</li> </ul>
<b>Colours</b>	<ul style="list-style-type: none"> <li>• Red, black or red, black, yellow, white</li> </ul>
<b>Outer Jacket</b>	<ul style="list-style-type: none"> <li>• Low smoke zero halogen fire retardant compound (LSZHFRNC)</li> </ul>
<b>Classified</b>	<ul style="list-style-type: none"> <li>• CEI 20-11 M1</li> </ul>
<b>According to</b>	<ul style="list-style-type: none"> <li>• IEC 60332-1, IEC 61034-1= IEC 61034-2</li> </ul>
<b>Diameter</b>	<ul style="list-style-type: none"> <li>• 5,20 mm ± 0,20 colour</li> </ul>
<b>Colour</b>	<ul style="list-style-type: none"> <li>• Green (RAL 6018)</li> </ul>

### Order Codes

**CV00A01KNX**

Double-bus cable 2x2x0, 8 coils 100 m

**CV05A01KNX**

Double-bus cable 2x2x0, 8 coils 500 m

**CV00A02KNX**

Single bus cable 1x2x0, 8 coils 100 m

**CV05A02KNX**

Single bus cable 1x2x0, 8 coils 500 m

# Miniature LED Lamps

3V BLUE OR WHITE

Packages of 20 or 60 pcs LED with Blue or White light 3 V wired red/black.



### Technical Features

<b>Dimension</b>	<ul style="list-style-type: none"> <li>• 3 mm x 4.3 mm (width and height) and 3.85 mm (radius)</li> <li>• Current: 20 mA</li> <li>• Reverse Voltage: 5 V</li> <li>• Luminous Intensity: 4000 Min - Max 9000 mcd</li> </ul>
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### Order Codes

**LD00A01ACC**

Miniature LED Lamps Blue 3 V 20 pcs

**LD00A02ACC**

Miniature LED Lamps Blue 3 V 60 pcs

**LD00A11ACC**

Miniature LED Lamps White 3 V 20 pcs

**LD00A12ACC**

Miniature LED Lamps White 3 V 60 pcs



# KNX Wago 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

<b>Dimension</b>	<ul style="list-style-type: none"> <li>• (H. x W. x D.) 11.5 x 10 x 10 mm</li> </ul>
<b>Features</b>	<ul style="list-style-type: none"> <li>• Wire 22 to 18 AWG (0.6 - 1 mm)</li> <li>• EN detected voltage 100 V</li> <li>• Rated current 6 A</li> <li>• Stripping length from 5 to 6 mm</li> </ul>

## Order Codes

**WG00A01ACC**  
KNX Wago Connector Red / Black Box  
100 pcs

# Temperature Probe

INTERNAL/ EXTERNAL



## Order Codes

**TS01A04ACC**  
Temperature probe  
4 pcs

**TS01B04ACC**  
External temperature probe  
4 pcs



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