eelectron

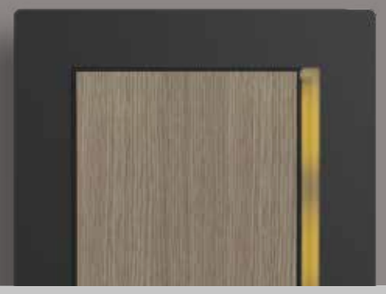
ProductCatalogue

eelectron

Company Profile

3025

55x55
4 Controls, 5 Materials,
Thermostat



P.06

eelectron

DockingStation

Mobile Apps

P.44

eelecta®

HomePad, MiniPad,
MiniSwitch, Touch Panel
Frames and Sockets.

P.14

GlassPad

Switches, Touch Panel
Frames and Sockets.

P.34

Synchronicity

Guest Room Management
Systems
HVAC, Access Control,

P.46

KNX Actuators

Sensors, Interfaces,
System Components

P.60

3025

eelecta

GlassPad

Synchronicity

KNX Actuators

Application

RESIDENTIAL

HOTEL

BUILDING

eelectron

Eelectron is an italian company with a focus on designing and manufacturing electronic devices dedicated to building and home evolution and closely related software tools.

As of year 2005, Eelectron applies to KNX Association, fulfilling his requirements with the main goal of giving a contribution to the diffusion of the world's only open Standard for home and building automation.

Eelectron philosophy of comprehensive aesthetic design and engagement in developing higly innovative devices, matched with KNX interoperability and compliance with international requirements, has engendered Eelectron's distinct reputation.

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

Eelectron, the tradition of pioneering .

KNX

The EIB / KNX technology standard is now the most widely used in the field of control for buildings with service and residential uses, and covers 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)

For more information see the Konnex website at:
www.konnex.org

KNX

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

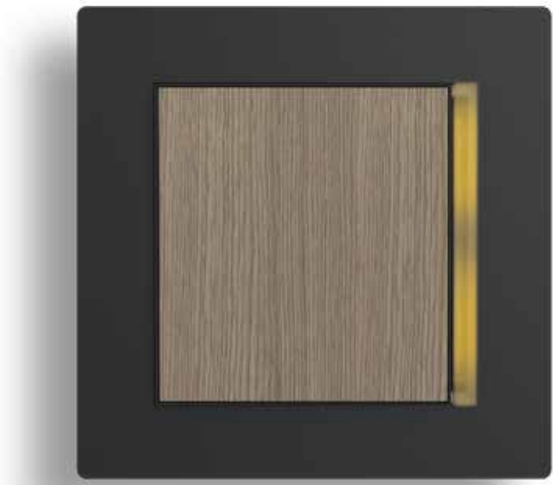
Strong Points

- KNX Developer since **15 years.**
- R&D, Design and manufacturing **fully made in Italy**.
- High quality rate.
- Global partners in more then **75 Countries.**
- Over **25,000** hotel rooms running, prestigious villas, large complexes and bulding equipped with our products worldwide
- Targeting large scale residential and **complex application**
- Ready for customization on large installations.
- Branch offices in **Paris, Dubai, Bangkok, Beijing, Hong Kong**

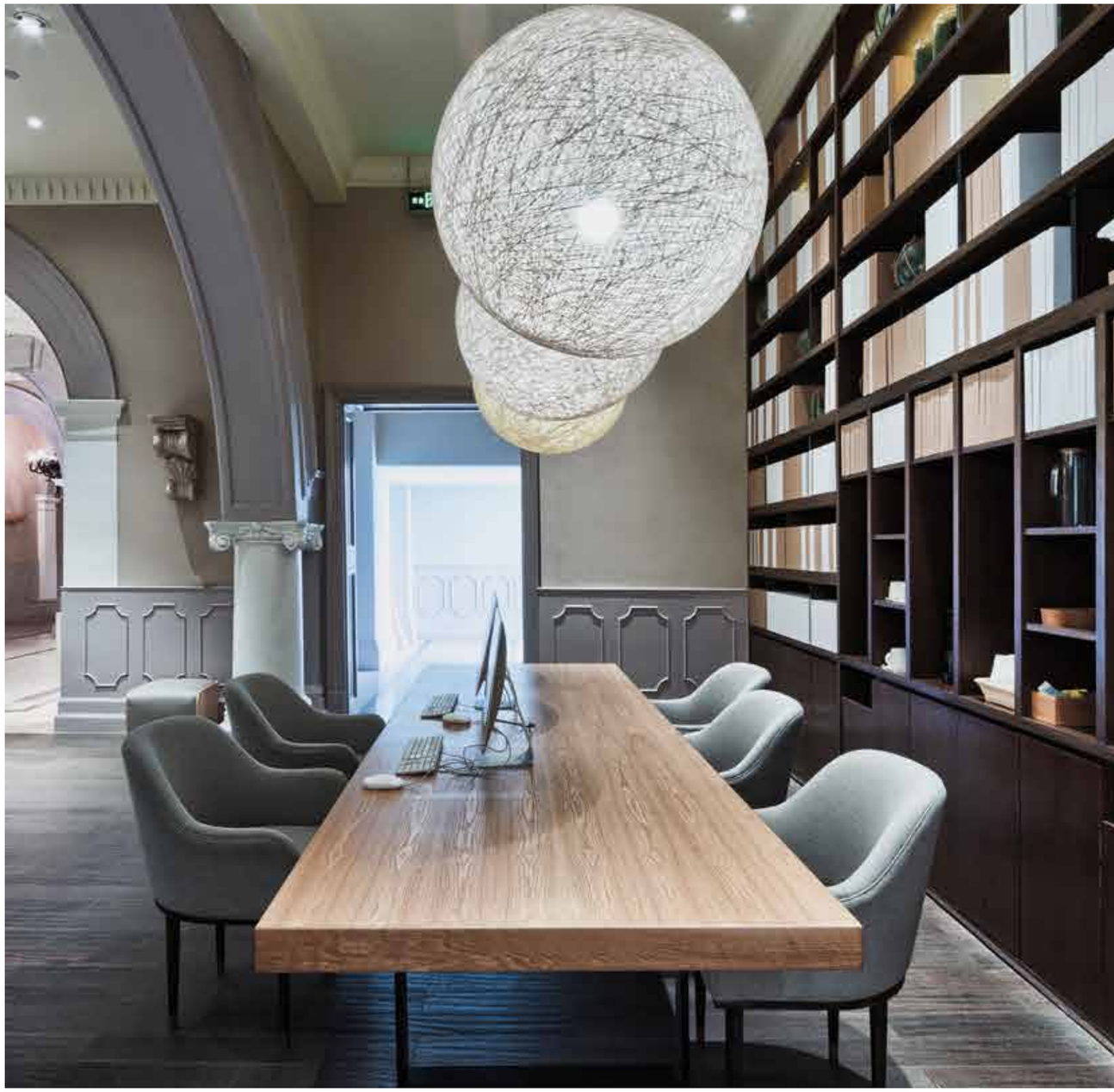
3025

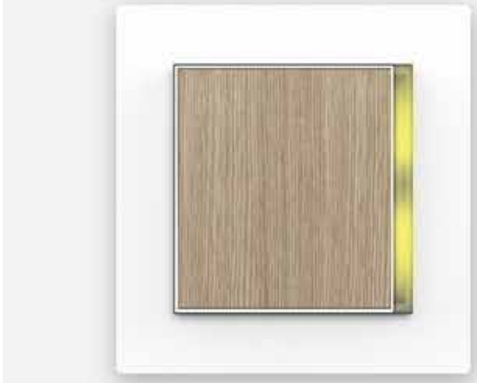
Warmth, in your place

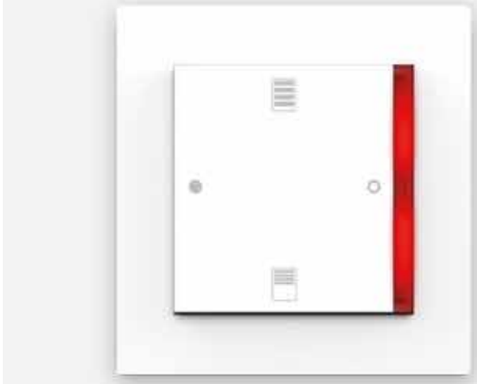
RESIDENTIAL HOTEL BUILDING



55x55, 4 Controls, 5 Materials,
Thermostat







3025; your lifestyle concentrated in only 55x55 mm.
Materials, functionalities, finishing are essential values for your life project. Our well being is lead by our choices.

Clear signalling
Easy displays of status (comfort, economy...), levels (dimming, temperature...), scenarios through settable LED bar with color and intensity variation.

Customization
Through icons, material, essences.

Finishing
Woods, brushed aluminium, plastic, glass , corian.

Temperature setting
With an integrated thermostat detecting and regulating a desired temperature.

Hidden functions
To be activated with a long pressure lenght.

Programmed setting
Scenarios, and socket power control.

Centralized management of loads
Shutter, irrigation, gates, external drives.

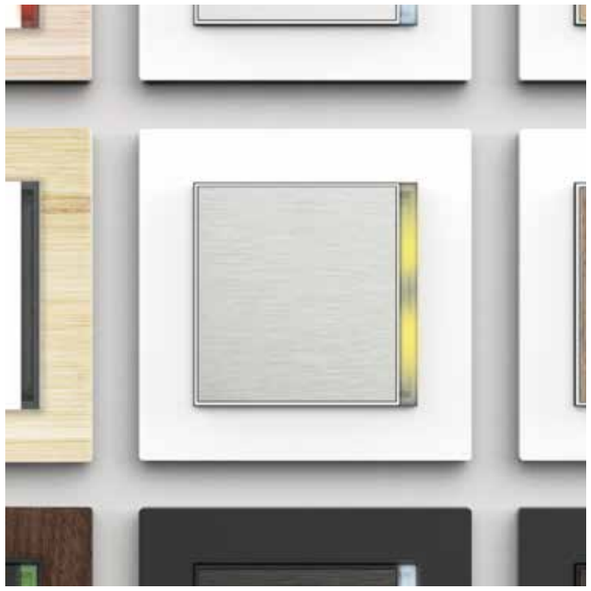
Lighting control
Dimming, lighting sequences, management of scenarios.

Thermostat logic

To manage heating and cooling, functions, zones....

4 Channels KNX Switch

with direct bus connection



Coloured LED level status bar

To display a level in steps (dimming percentage, variation from setpoint, temperature setting, etc.)

Installation

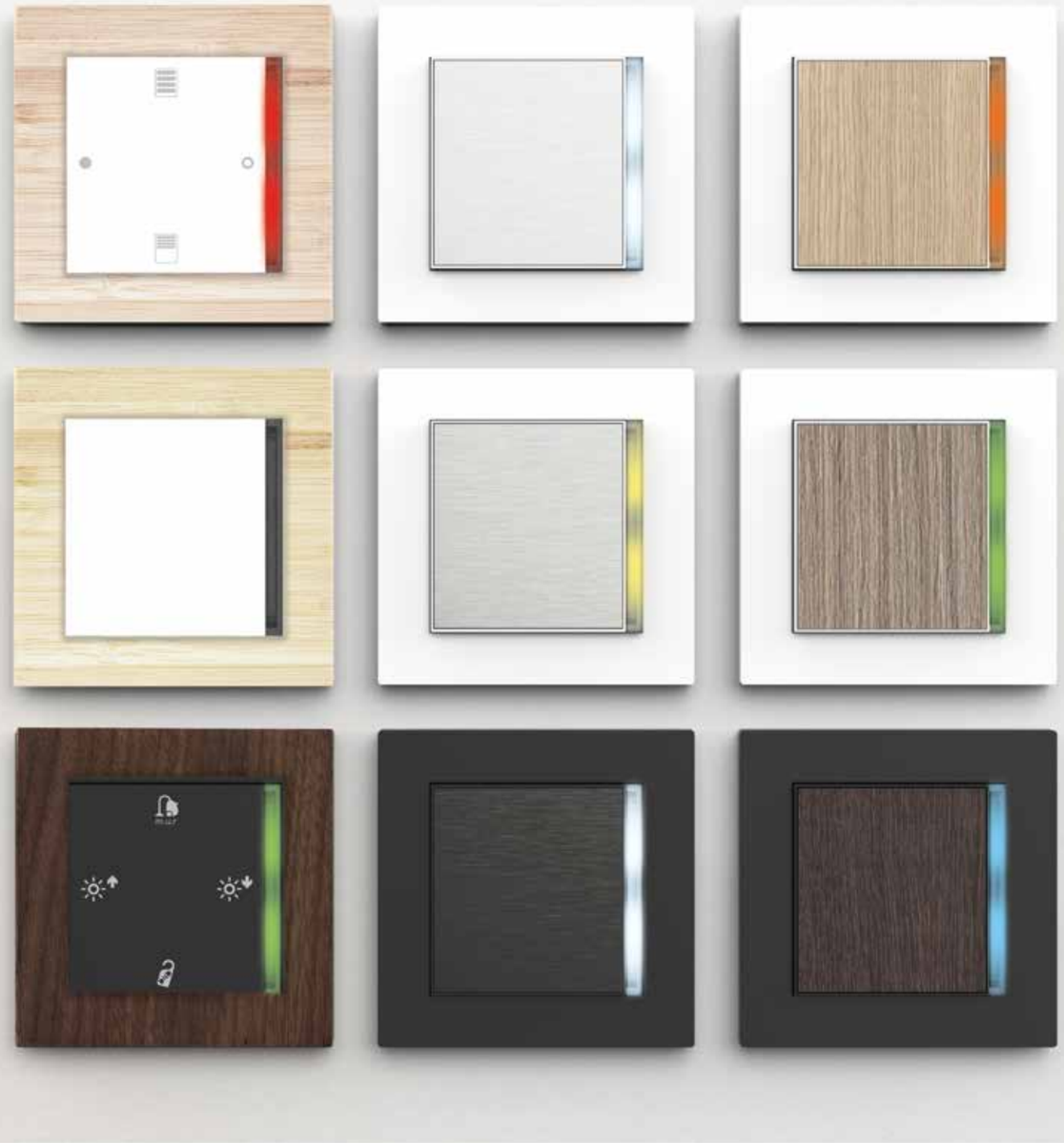
Suitable in 2 module boxes and fits in 55mm systems

RGB LED bar: color control

To display a full or dimmed RGB color-over the bar-may be used for status (comfort, economy, etc.), alarms, feedbacks.

Customization

Through icons on different materials



Plastic Collection

White
Black

Metal Collection

Brushed aluminium black
Brushed aluminium silver
Natural aluminium

Wood Collection

White ash
Teak
Oak
Amber elm

55x55 KNX Switch

4 Channels + Thermostat

The 3025 switch is a 4 gang switch with temperature sensor.
Minimal shape leaves space to noble material surfaces, and one LED Bar easily displays status (as comfort,economy, heating, etc), levels (dimming percentage, setpoint, temperature setting), scenarios, with color and intensity variation.
The product is available in different finishings and material including 5 different woods, black - white and brushed aluminium and plastic.
Suitable in the 2 module boxes and fits in 55mm systems with direct connection to the KNX bus.

Order code

SB04A01KNX - KNX switch 55x55 White

SB04A03KNX - KNX switch 55x55 Black

Technical features

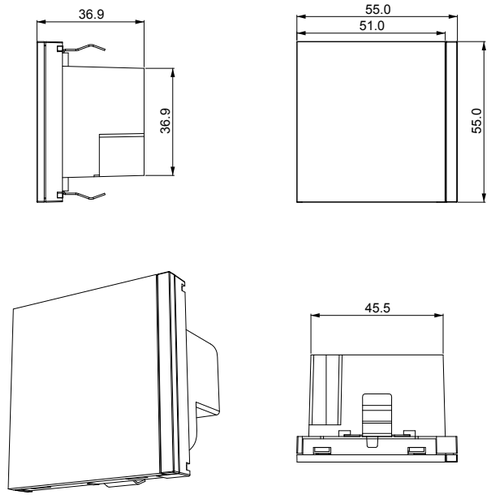
Dimensions:
· (H. x W.) 55 x 55 mm

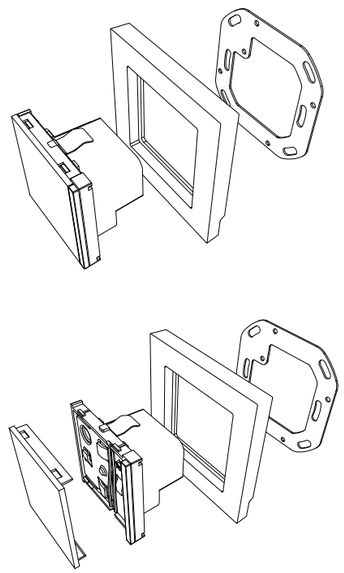
Supply
· Through the wire EIB / KNX Voltage 21 .. 30V DC
· Current consumption EIB / KNX <10mA

Features
· 4 channels
· 1 embedded temperature sensor
· 1 input for additional temperature sensor
· RGB LED bar

Connections
· EIB / KNX bus connecting terminal 2 of 0.8 mm

3025





eelecta®

You, in an homy and environmental world

reddot design award
winner 2012

interior innovation award 2012
Winner

German Design Award
NOMINEE

DESIGN PLUS
powered by light + building

RESIDENTIAL HOTEL BUILDING

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

To an efficient use of space.
To cost effective solutions for an
eco-friendly environment.
To private homes, buildings, hospitality.

Design: **Marco Fossati**

Stylish yourself
Eclectic, Creative... in line with your style.

Lighting control
Dimming, lighting sequences, management of scenarios using led technology

Audio/Video source selection
Channel, station, local volume and track selection

Programmed setting of electrical functions
Scenarios - Absence, party, relax... Socket power control

Differentiated temperature setting
With an integrated thermostat, detecting and regulating a desired temperature

Centralized management of valves and loads
Shutters, irrigation, external drives, gates

“Hidden” Functions
To be activated with a long pressure lenght on the Pad

Event based or occupancy based automation
A scenario or a given automation can be l aunched from an external device connected to the HomePad, as for example a traditional occupancy sensor

Eelecta is a **design and architectural element shaped**
to leave a coloured and **graphical sign in the space.**

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You, in an homy and environmental world

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How it works

1st function: every pad drives one or two functions

2nd function: diagonal pressure

3rd and 4th functions: with a long pressure, another function is activated

4 frontal leds associated to a single function

HomePad and MiniPad are available with 4 or 8 channels (functions), with thermostat, 4 inputs interface options and circular functions.

How to wire

Lateral programmable led for night mode or night light

Integrated **thermostat**

Until 4 inputs devices
(standard switches, presence sensor, etc.)
can be connected to the HomePad to activate
smart functions

Direct **KNX bus connection**

Linear Cover

Ceramic White
COAW

Black Matte
COAA

Chromo
COAS

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

Black Matte - Red cross
3D - 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

Black Matte - Red cross
3D - 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
PB40A**xx**CON	· HomePad 4 CH.
PB40B**xx**KNX	· HomePad KNX 4 CH.
PB40C**xx**KNX	· HomePad KNX 4 CH. 4 IN - TS
PB80A**xx**KNX	· HomePad KNX 8 CH. - TS
PB80C**xx**KNX	· HomePad KNX 8 CH. - TS - Circular functions

MiniPad

Codes	Description
MB40B**xx**KNX	· MiniPad KNX 4 CH.
MB40C**xx**KNX	· MiniPad KNX 4 CH. 4 IN - TS
MB80A**xx**KNX	· MiniPad KNX 8 CH. - TS
MB80C**xx**KNX	· MiniPad KNX 8 CH. - TS - Circular functions

HomePad & **Mini**Pad

Eelecta® 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.

Technical features

Dimensions:
HomePad
• (H. x W.) 110 x 110 mm
MiniPad
• (H. x W.) 90 x 90 mm

Supply
• Through the wire EIB / KNX
• Voltage 21 .. 30V DC
• Current consumption EIB / KNX <10mA
Not present for the version conventional (PB40A)

Input Features
• Number of Pads: 4 or 8
4 for dry contacts
(PB40C/MB40C)
• Maximum cable length: 10 mt = twisted
(PB40C/MB40C)

Output Features
• 5 white LEDs

Connections
• EIB / KNX bus connecting terminal 2 of 0.8 mm²

Order code

HomePad

PB40AxxCON
4 CHANNELS CONVENTIONAL

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

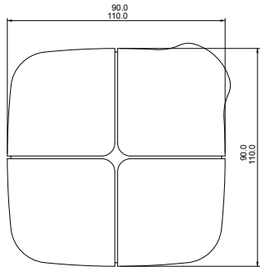
MiniPad

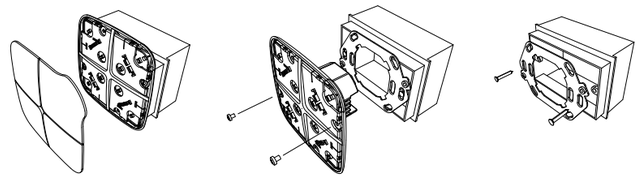
MB40BxxKNX
4 CHANNELS KNX

MB40CxxKNX
4 CHANNELS KNX + 4 INPUTS + TEMPERATURE SENSOR

MB80AxxKNX
8 CHANNELS KNX + TEMPERATURE SENSOR

MB80CxxKNX -
8 CHANNELS KNX + TEMPERATURE SENSOR + CIRCULAR FUNCTIONS





KNX® **MINI**SWITCH

Suitable for **ee**lecta and **Glass**Pad frames

1 - 2 - 4 channels
1- 2 - 4 LED freely configurable

Sockets and frames with different finishes, available for 2 module inwall box.

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MiniSwitch KNX®

1 - 2 - 4 Channels

Miniswitch KNX is suitable with Eelecta and GlassPad 's range. 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 o 4 frontal led 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).

Technical features

Dimensions:
· (H. x W.) 45 x 45 mm (without frames)
Supply
· Through the wire EIB/KNX
· Tension 21..30V DC
· Current Consumption <10mA

Input Features
1-2-4
Output Features
1-2-4 white led
Connections
· EIB/KNX bus connecting terminal 2 of 0.8 mmo

Order code

WB10A30KNX
MiniSwitch 1 ch. KNX – Anthracite

WB10A10KNX
MiniSwitch 1 ch. KNX – White

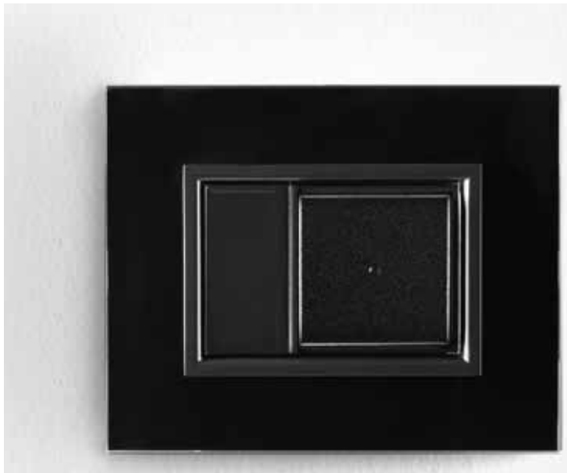
WB20A30KNX
MiniSwitch 2 ch. KNX – Anthracite

WB20A10KNX
MiniSwitch 2 ch. KNX – White

WB40A30KNX
MiniSwitch 4 ch. KNX – Anthracite

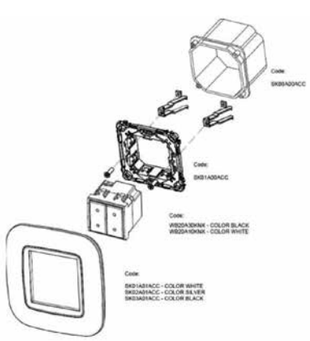
WB40A10KNX
MiniSwitch 4 ch. KNX – White

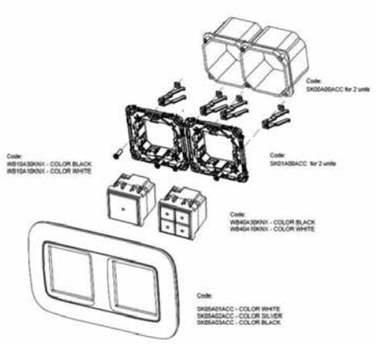
Order codes are referred only to switches without frames.

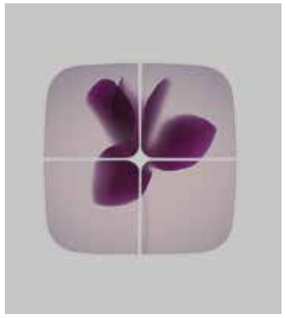


MINISWITCH with glass frame*

* GlassPad range pag. 43





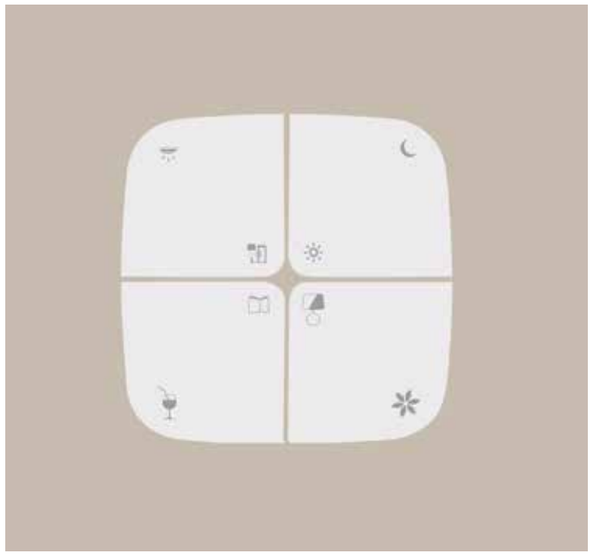


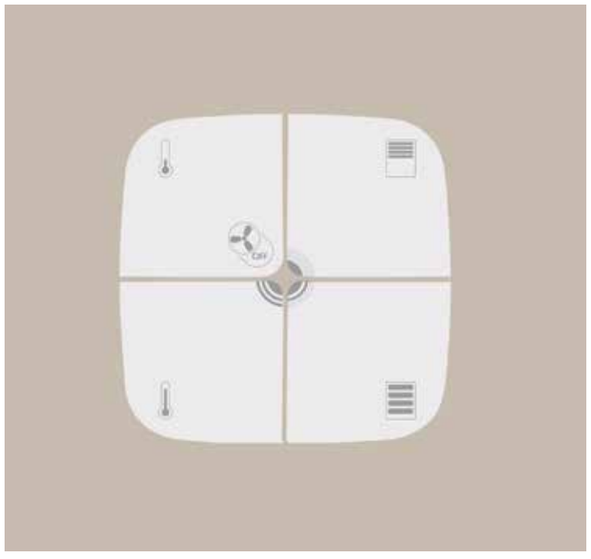
CUSTOMIZED ARTWORK

Through the site **www.eelecta.com** it is possible to
personalize your HomePads and MiniPads with your style using photos,
graphics or icons at your choice.

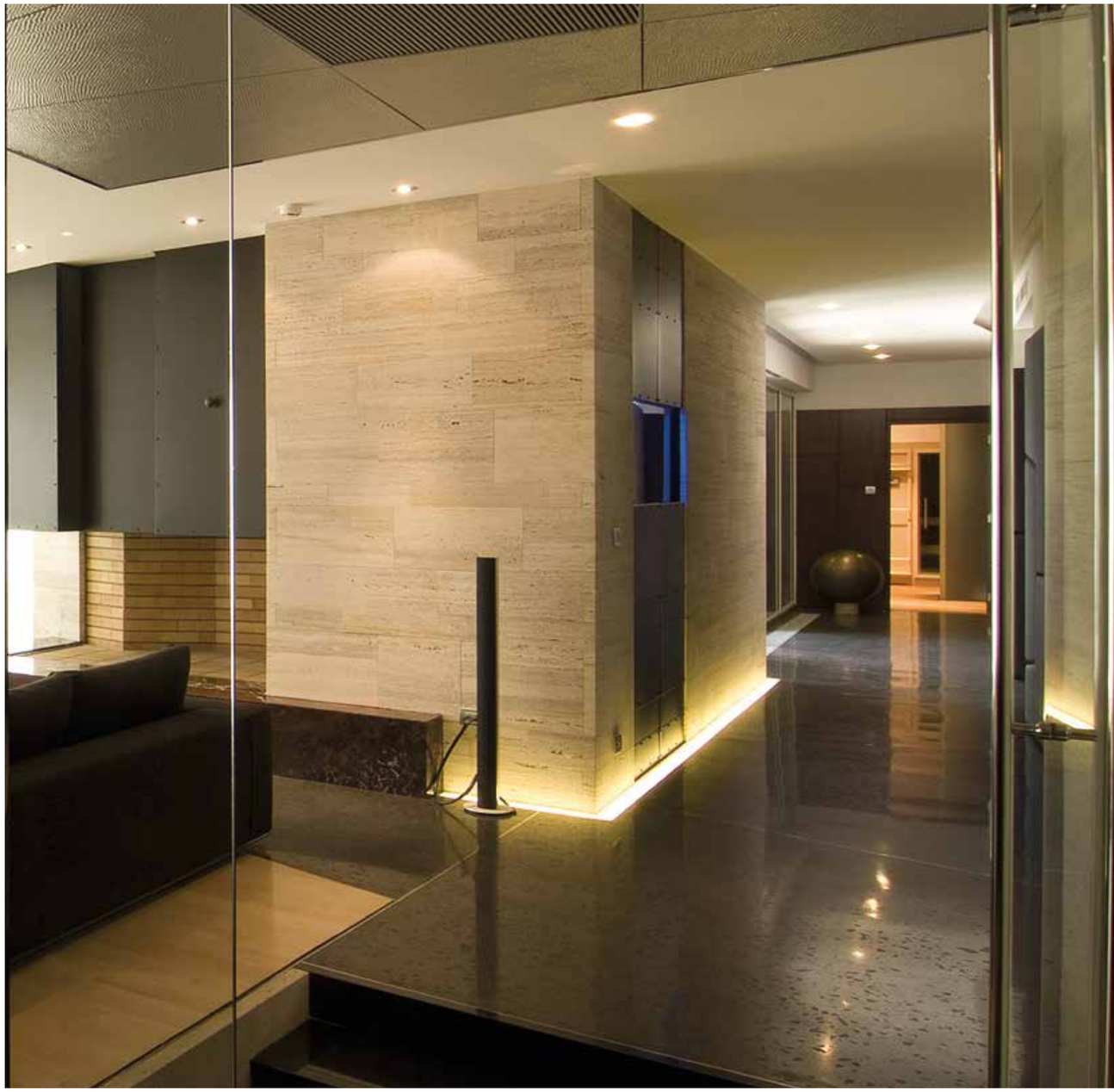
CUSTOMIZED ICONS

- More Design
- More Colours and personalized graphics
- Clear and easy fuction signalling throughout icons and colours





TOUCHPANEL 3,5”



In a small space, in a distinctive shape, we have focused all our attention.
Far from outward appearances, we have priviledged the essence of an advanced interface, as expected by users

Personalized:
Screen savers with
photographs, **icons**, **skins**,
colour and menu.

KNX®
ETS configuration

Multimodular installation:
Round or squared 2 modules box,rectangular
3 modules box, horizontal or vertical.

Tarif and load control
With a clever management of energy related expenditures, energy saving goes along with control and efficiency.

Temperature control and management local or zone based.
The touch panel has an integrated thermostat, managing 2 or 4 pipes systems, residential systems, air conditioning. Every temperature zone dedected from HomePads is programmed on an hour, day and week base.

Colour selection for RGB/DMX lighting on colour palette.
Coloured light sequences, programmed to show emotional scenarios, design and wellness environments

Scenarios, shutters, lights, external drives, loads management
One only control point to detect, program and manage every home function.

Timers, irrigation, morning clock
Every event is timed: even your morning wake up.

Entertainment
From the touch panel, audio systems and external devices (TV, STEREO, etc.), are managed selecting tracks, volumes, sources, artists.

- Direct KNX bus connection
- 12/30 Volt DC power supply
- Integrated buzzer for alarm signalling
- Frontal led for signalling or night light

- 6 programmable pages with 8 functions
- Settable password protection
- Integrated thermostat
- Supercap battery for clock memory after temporary (24h) black out.

TOUCHPANEL 3,5”

Ceramic white
VS00E10KNX

Black matte
VS00E30KNX

Chromo
VS00E20KNX

PVD Silver
VS00E60KNX

PVD Deep Blue
VS00E70KNX

PVD Old Bronze
VS00E80KNX

Touch Panel 3,5”

The Eelecta touch panel: powerful control in a distinctive shape. With a couloured display, dimming, status, values, lighting, shutters and timers are controlled and password protected when needed. Using the embedded temperature sensor, chrono or Fan coil controlling functions are managed. DMX coloured Led or lights are controlled with the optional DMX gateway, and load control with automatic cut off of loads is performed with optional power meter. Based on Linux® OS and ETS programmable,the 3,5” touch panel is equipped with a Led indicator and an buzzer for alarm functions.Available in nine different colours.

Technical features

- 3,5”- TFT color display with 320xRGBx240 (256K colors) with Touch Screen.
- Processor 200MHz 32-bit ARM
- Linux OS
- Adjustable Backlight
- Buzzer
- Programmable with ETS
- 6 display pages, each of them with 8 control elements
- Each element of control can handle up to 4 KNX items
- Wide range of control elements - buttons / sliders / etc …, with management objects 1-bit, 1 byte, 2 bytes…
- Elements-control for shutters, blinds, clock, dimmer, timer ..
- Management page for additional alarm inputs bus.
- Each page or item can be protected by a password.
- Various user interfaces, and layout options are available
- Customization of the product available on request

Elements EIB / KNX

- Up to 196 communication objects

System Objects:

- Time / Date
- Brightness
- Temperature
- Alarm

Order code

VS00E10KNX
Eelecta 3.5” coloured KNX Touch Panel
Ceramic White

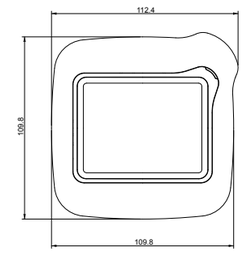
VS00E20KNX
Eelecta 3.5” coloured KNX Touch Panel
Chromo

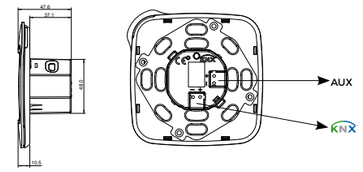
VS00E30KNX
Eelecta 3.5” coloured KNX Touch Panel
Black Matte

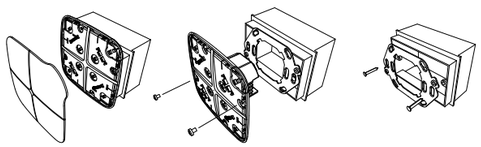
VS00E60KNX
Eelecta 3.5” coloured KNX Touch Panel
PVD Silver

VS00E70KNX
Eelecta 3.5” coloured KNX Touch Panel
PVD Deep Blue

VS00E80KNX
Eelecta 3.5” coloured KNX Touch Panel
PVD Old Bronze







Frames Sockets

SK01A01ACC
Socket plate 2 module - White

SK02A01ACC
Socket plate 2 module - Chromo

SK03A01ACC
Socket plate 2 module Black Matte

SK03A02ACC
Socket plate 2 module PVD Silver

SK03A03ACC
Socket plate 2 module PVD Deep Blue

SK03A04ACC
Socket plate 2 module PVD Old Bronze

SK04A01ACC
Swiss Socket plate 2 module White

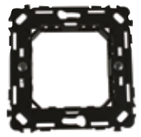
SK04A02ACC
Swiss Socket plate 2 module Chromo

SK04A03ACC
Swiss Socket plate 2 module Black Matte

SK05A01ACC
Double Socket plate 2 module White

SK05A02ACC
Double Socket plate 2 module Chromo

SK05A03ACC
Double Socket plate 2 module Black Matte



SK01A00ACC - black
2 module 60mm. frame

EE72X88 - black
EE72X88.B - white
Blank module

Italian Standard

EE72X48.D - **black**
EE72X48.D.B - **white**
Schuko socket with shutter

EE72X48.I - **black**
EE72X48.I.B - **white**
Trivalent schuko socket

EE72X79 - **black**
EE72X79.B - **white**
Bivalent sockets with shutter

EE72X70 - **black**
EE72X70.B - **white**
Shuttered sockets

International Standard

EE72X48.DS - **black**
EE72X48.DS.B - **white**
Schuko socket with shutter

EE72X48.FR - **black**
EE72X48.FR.B - **white**
French socket with shutter

Special Equipment

EE72X86 - **black**
EE72X86.B - **white**
12V/8Va/buzzer

EE72X85 - **black**
EE72X85.B - **white**
230V-50/60hz -12Va/buzzer

EE72X93.220 - **black**
EE72X93.220.B - **white**
230V-50/60hz-12Va/bell

EE72X02.1 - **black**
EE72X02.1.B - **white**
16A 250V/push botton

EE72X06.1 - **black**
EE72X06.1.B - **white**
16A 250V
luminous 1way switch

Data, TEL, TV SAT

EE72X64.4 - **black**
EE72X64.4.B - **white**
6p/4c/telephone RJ11 sockets

EE72X64.C5 - **black**
EE71X64.C5.B- **white**
8p/8c-cat 5/telephone and computer sockets

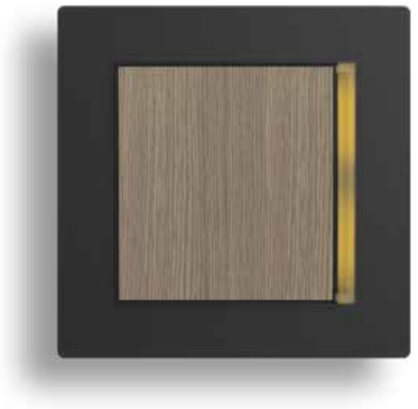
EE72X64.C6 - **black**
EE72X64.C6.B - **white**
8p/8c-cat 6/telephone and computer sockets

EE72X58 - **black**
EE72X58.B - **white**
TV sockets - direct

EE72X58.F - **black**
EE72X58.F.B - **white**
SAT/TV sockets - direct

KNX®

Z-WAVE®



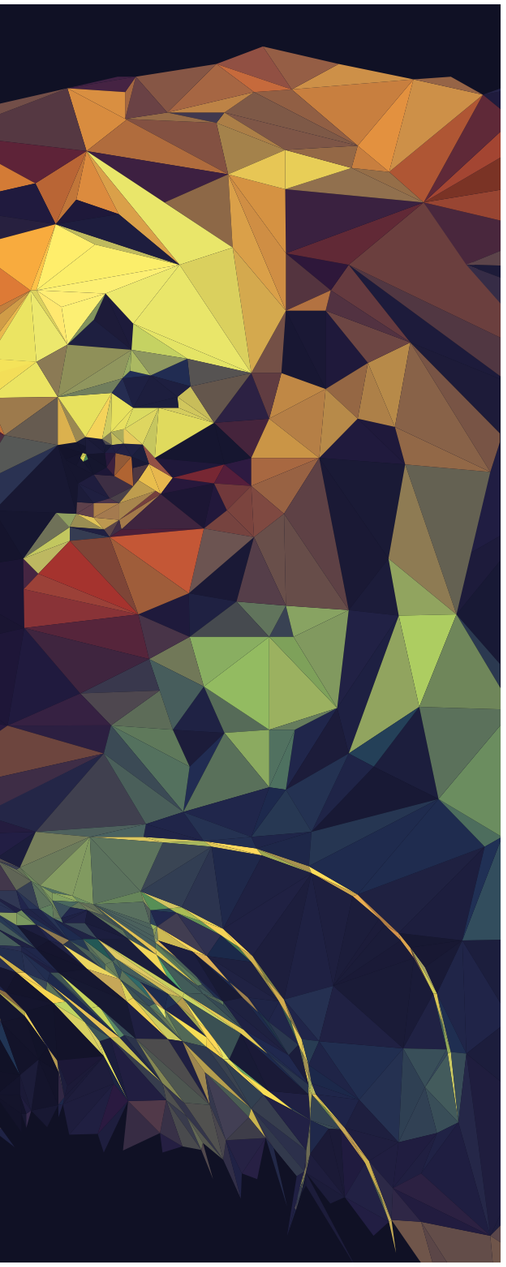
3025
Z-WAVE Version

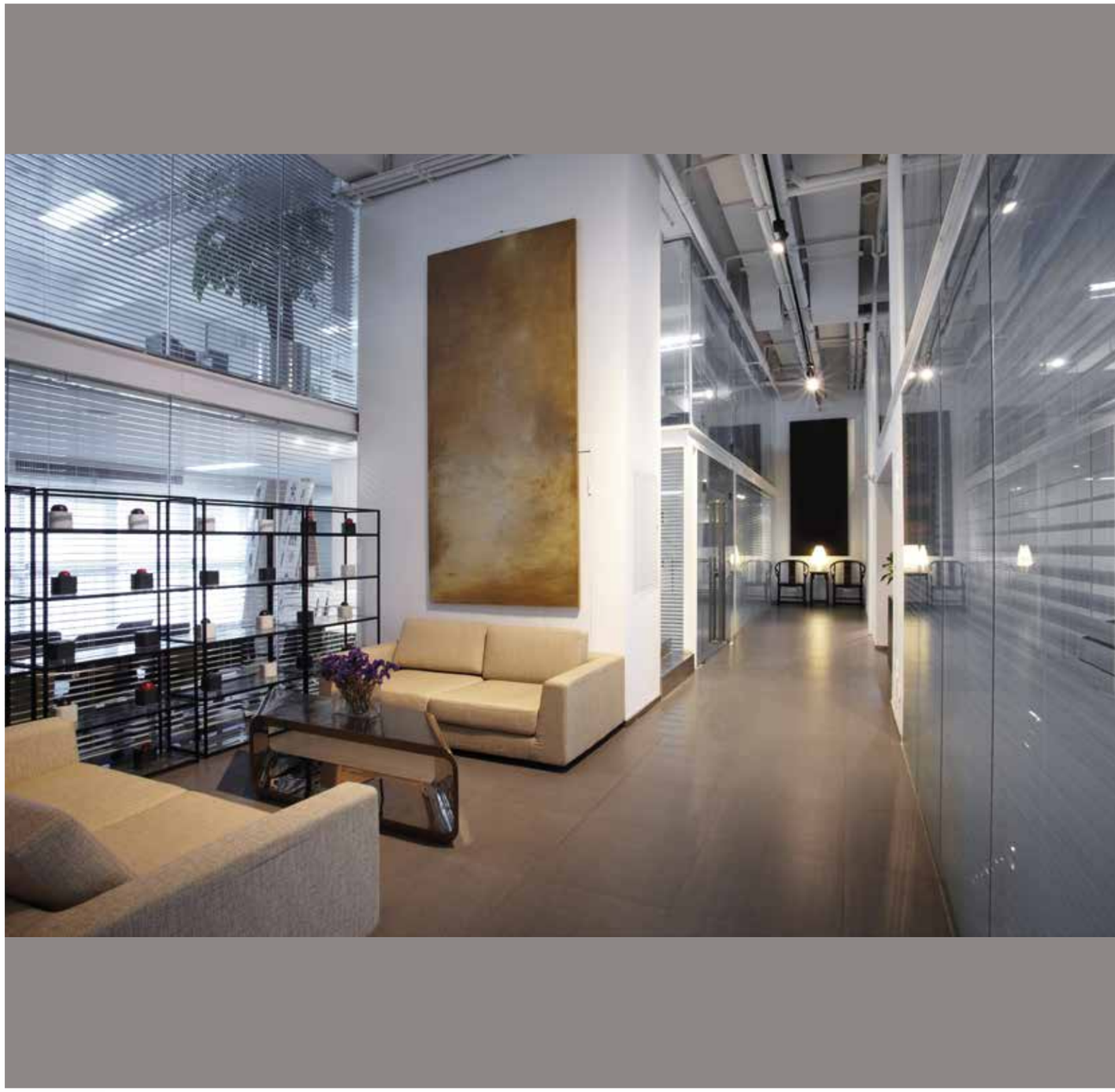
eelecta
Z-WAVE Version

KNX - Z-WAVE
Interface
16 channels

GlassPad

Capacitive Switches & Touch Panel with glass frames





Capacitive KNX Switch
Touch Panel 3,5” KNX - glass frame
MiniSwitch 1 - 2 - 4 suitable for the glass frames

Features

The GlassPad is composed by 4 total models, all in KNX, that includes:

- 3 channels on 3 modules / horizontal or vertical
- 6 channels on 3 modules / horizontal or vertical
- 4 channels on 4 modules / horizontal or vertical
- 8 channels on 3 modules / horizontal or vertical

The whole range of products manages:

- Lights
- Dimmers
- Shutters/Blinds
- Scenarios
- Audio

Every products include amber led signaling for every channels. A blue led light surrounds and illuminates behind the GlassPad.

Simplicity

A very quick and simple installation is one key feature of GlassPad from Eelectron Spa.
The range can be installed in to 3 or 4 modules in wall boxes.

Safety

In order to ensure a long lasting product and maximum customer satisfaction, Eelectron Spa only uses premium quality components and materials.

Colours

The range is composed by 2 different colors - white or black - and can be customized using icons, texts or logos.

Vertical

3 Channels
3 Modules

4 Channels
4 Modules

6 Channels
3 Modules

8 Channels
4 Modules

Horizontal

3 Channels
3 Modules

4 Channels
4 Modules

6 Channels
3 Modules

8 Channels
4 Modules

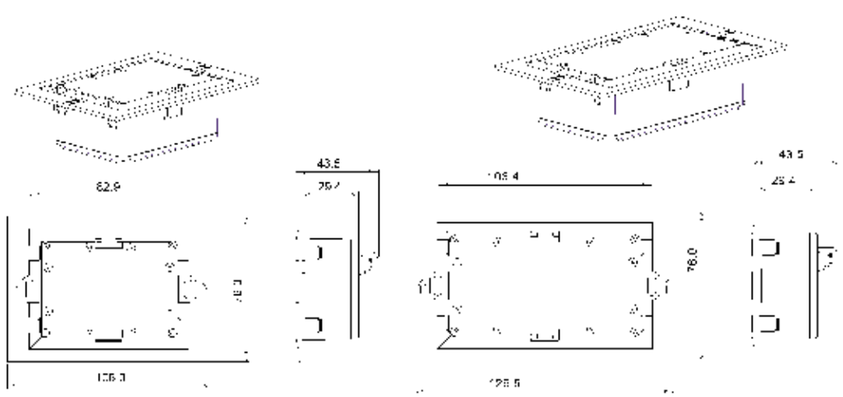
Plates

Glass Plate 3 Modules
Black

Glass Plate 3 Modules
White

Glass Plate 4 Modules
Black

Glass Plate 4 Modules
White



GlassPad KNX

3-6 channels (3 modules) / 4 - 8 channels (4 modules)

The GlassPad KNX is available in 2 colours (White and Black). This product include 4 different features: 3 and 6 channels on 3 modules inwall box or 4 and 8 channels on 4 modules inwall box. Every products of the range have led signalling for each channels and can be installed vertically or in horizontal. Pression on the switch can be long or shor and it can manage scenarios or sequences. The customizaiton of glass colour , textes and icons for residential and building field is available on demand. The products if fully programmable with ETS.

Order code

GP03A03KNX
Capacitive KNX switch - 3 channels - 3 Modules
GP06A03KNX
Capacitive KNX switch - 6 channels - 3 Modules
GP04A04KNX
Capacitive KNX switch - 4 channels - 4 Modules
GP08A04KNX
Capacitive KNX switch - 8 channels - 4 Modules
GL03H03ACC-1
Capacitive glass switch - 3 channels - 3 Modules
Horizontal - white
GL03H03ACC-3
Capacitive glass switch - 3 channels - 3 Modules
Horizontal - black
GL03V03ACC-1
Capacitive glass switch - 3 channels - 3 Modules -
Vertical - white
GL03V03ACC-3
Capacitive glass switch - 3 channels - 3 Modules -
Vertical - black
GL06H03ACC-1
Capacitive glass switch - 6 channels - 3 Modules
Horizontal - white
GL06H03ACC-3
Capacitive glass switch - 6 channels - 4 Modules
Horizontal - black
GL06V03ACC-1
Capacitive glass switch - 6 channels - 3 Modules
Vertical - white
GL06V03ACC-3
Capacitive glass switch - 6 channels - 3 Modules
Vertical - Black
GL04H04ACC-1
Capacitive glass switch - 4 channels - 4 Modules
Horizontal - white
GL04H04ACC-3
Capacitive glass switch - 4 channels - 4 Modules
Horizontal - black

GL04V04ACC-1
Capacitive glass switch - 4 channels - 4 Modules
Vertical - white
GL04V04ACC-3
Capacitive glass switch - 4 channels - 4 Modules
Vertical - black
GL08H04ACC-1
Capacitive glass switch - 8 channels - 4 Modules
Horizontal - white
GL08H04ACC-3
Capacitive glass switch - 8 channels - 4 Modules
Horizontal - black
GL08V04ACC-1
Capacitive glass switch - 8 channels - 4 Modules
Vertical - white
GL08V04ACC-3
Capacitive glass switch - 8 channels - 4 Modules
Vertical - Black
GT00A03ACC-1
Glass Plate - 3 Modules - White
GT00A03ACC-3
Glass Plate - 3 Modules - Black
GT00A04ACC-1
Glass Plate - 4 Modules - White
GT00A04ACC-3
Glass Plate - 4 Modules - Black
GT00X03ACC
3 Module - Support frame for glass plate
GT00X04ACC
4 Module - Support frame for glass plate
GP00X03ACC
Flush - Mount adapter box - module 3
GP00X04ACC
Flush - Mount adapter box - module 4
GP00X00ACC
Glass suction tool

Technical features

Dimensions
· (H. x W.)140 x 96 mm or 120 x 96 mm
Mounting
· Inwall mounting on squared or round boxes
Connections
· EIB/KNX bus connecting terminal 2 of 0.8 mmo

Supply
· Through the wire EIB/KNX
· Tension 21..30V DC
· Current Consumption <10mA
Input Features
· Inputs: 3,4,6,8
Output Features
· Number: 3,4,6,8 white led

Touch Panel 3,5"

Glass Frame

The touch panel: powerful control in a distinctive shape. With a couloured display, dimming, status, values, lighting, shutters and timers are controlled and password protected when needed. Using the embedded temperature sensor, chrono or fan coil controlling functions are managed. DMX coloured Led or lights are controlled with the optional DMX gateway, and load control with automatic cut off of loads is performed with optional power meter. Based on Linux® OS and ETS programmable,the 3,5" touch panel is equipped with a Led indicator and an buzzer for alarm functions.Available in two different colours.

Technical features

- 3.5"- TFT color display with 320xRGBx240 (256K colors) with Touch Screen.
- Processor 200MHz 32-bit ARM
- Linux OS
- Adjustable Backlight
- Buzzer
- Programmable with ETS
- 6 display pages, each of them with 8 control elements
- Each element of control can handle up to 4 KNX items
- Wide range of control elements - buttons / sliders / etc ..., with management objects 1-bit, 1 byte, 2 bytes...
- Elements-control for shutters, blinds, clock, dimmer, timer ..
- Management page for additional alarm inputs bus.
- Each page or item can be protected by a password.
- Various user interfaces, and layout options are available
- Customization of the product available on request

Elements EIB / KNX

- Up to 196 communication objects

System Objects:

- Time / Date
- Brightness
- Temperature
- Alarm

Order code

VS00G10KNX
3,5" coloured KNX Touch Panel with Glass Frame White

VS00G30KNX
3,5" coloured KNX Touch Panel with Glass Frame Black

Color Range

VS00G10KNX

VS00G30KNX

GlassPad

KNX® Thermostat

Features

- Temperature and fan coil speed status display
- ETS settable control elements for temperature management

Soon Available

MiniSwitch

KNX® MINISWITCH

Suitable for eelecta and **Glass**Pad frames

MiniSwitch KNX®

1 - 2 - 4 Channels

Miniswitch KNX is suitable with Eelecta and GlassPad 's range. 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 o 4 frontal led 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).

Technical features

Dimensions
· (H. x W.) 45 x 45 mm (without frames)
Supply
· Through the wire EIB/KNX
· Tension 21..30V DC
· Current Consumption <10mA

Input Features
1-2-4
Output Features
1-2-4 white led
Connections
· EIB/KNX bus connecting terminal 2 of 0.8 mmo

Order code

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.

DockingStation

Mobile Apps

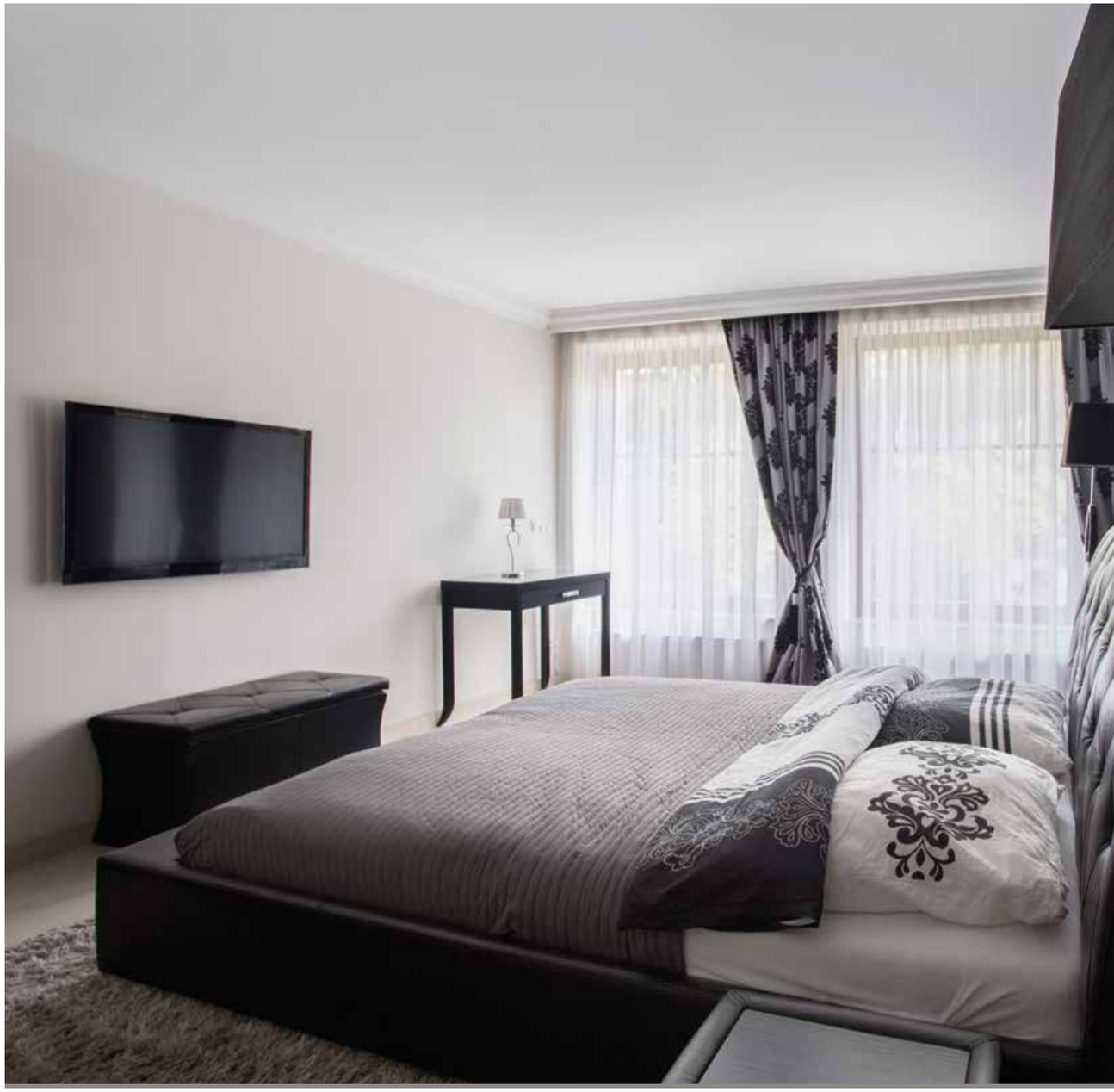
KNX control for Apple IOS and Android devices

DOCKING STATION - iPad 4 / Air / Air 2

eDock can hold and charge your iPad, iPad mini or iPhone.
Without any visible cables you can power your eDock by eCharge, our inwall power supply.

Synchronicity

Synchronise events - Synchronise colours



HotelManagement

More than 25.000 rooms installed worldwide.

Synchronicity is a range of products working on KNX standard, dedicated to hotel's guest room management.
All the range is for both 2 modules round and squared inwall boxes or for 3 modules boxes.
The solution is integrated with eSuite software management tool and products for temperature and HVAC control, lighting and load management (input and output modules, digital/analog mixed modules, dimmers and shutters modules), visualization and control (touch panels, PDA), communication (gateways vs other protocols)

Everything on KNX protocol.

Since our everyday living requires
energy saving and cost control

Architects, designers and planners, follow our conception of home evolution and building automation.
Environmental needs are changing the standards of project design, with performing and challenging goals that require efforts to deliver to your clients long lasting economy and comfort values. Following this effort, we have developed multifunctional applications starting from KNX technology: an open standard, programmed from a unique software tool, able to join independent systems in an interworking logic.

Used by many customers worldwide, our solutions combine aesthetic design, high performances and friendly usability for end users and professionals.

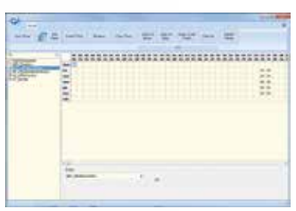
- Single or multiple lighting control
- Heating and air conditioning
- Blind and shutters control
- User dependent management of areas and functions
- Temporized and advanced scenarios
- Access Control
- Audio/Video system integration
- Alarms and Video Surveillance
- Intercom Audio and Audio/Video system

Since we want to live in an homy and environmental world

What are we delivering to our clients?

Integration	HVAC System BMS System Billing (Fidelio, etc..) Lights (DMX, Dali..)
Room and Building Automation	Access Control Energy Saving Temperature Control Lighting Control Automation Shutter Control Services External Areas Control Common Areas Management Special Functions (music/co2/energy metering etc.)
Supervision	Automation Check in /Check out Supervision Room and Common Areas Control Pre-Heating Functions Alarm Log Transit Log Room to Clean

Software dedicated to supervision of **KNX** installation, hotel management and acces control, alarms and utilies. **Modular**, **Flexible**, **Evolved**.



eSuite SW Management

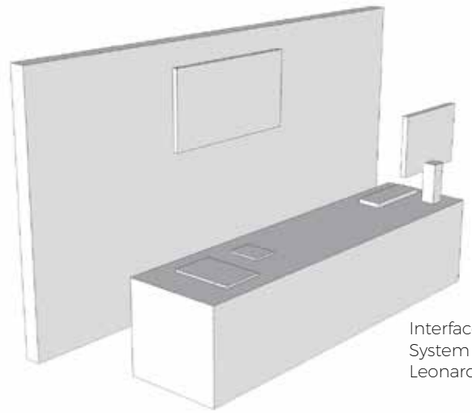
GRMS

Reception

HVAC
BMS

Mitsubishi
Daikin
Toshiba
Sanyo
Tac
Siemens
ecc.

Gateway for bidirectional communication



Interface to management System (Micros Fidelio, Leonardo, ecc)

Transponder Card
Transponder Keyholder

eSuite software

Encoder

IP Interface

Power Supply

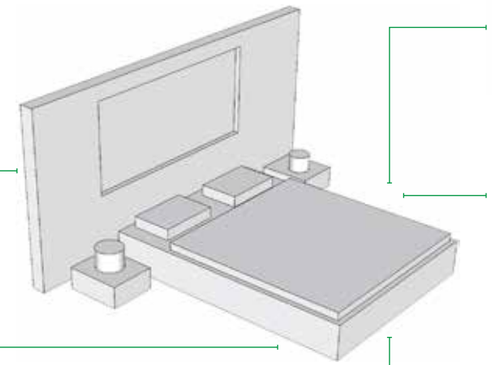
Standard Room

Transponder Holder

· Bathroom Alarm
· Reset Alarm
· Light ON/OFF
· Loads ON/OFF

Transponder Reader

· Door Strike
· M.U.R.
· Door Lock control
· Courtesy Light



Thermostat

· Tv Socket Control
· Window contact

4IN/4OUT Universal

· Minibar control
· Room light
· 3 speed Fan coil

4IN/4OUT LED

· Do Not Disturb
· Service Call

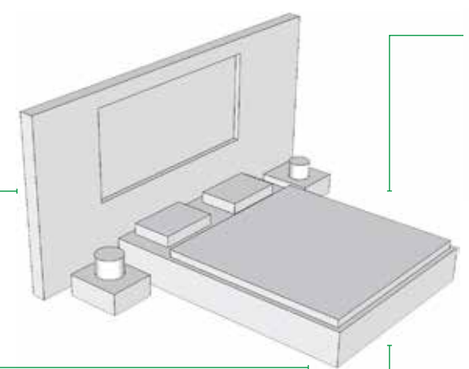
Suite

Transponder Holder

· Bathroom Alarm
· Reset Alarm
· Light ON/OFF
· Loads ON/OFF

Transponder Reader

· Door Contact
· Room charge status
· Door Lock control
· Courtesy Light



Bed Side Panels

8IN/8OUT

· Lights
· Minibar contact
· Shutters management
· 3 Speed Fan coil
· 2/4 Pipes system
· Hot/Cold Valves
· TV Socket control

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

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 code

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

Dimensions
· (H. x W. x D.) 78 x 110 x 39,8 mm
Mounting
· Inwall mounting on squared or round boxes
Connections
· EIB / KNX bus connecting terminal max 0.8 mm2
· Input screw clamp, conductor section max. 1,5 mm2
· Output relay screw clamp, conductor section max. 1,5 mm2
Supply
· From KNX bus 21..32 V DC SELV
Input Features
· 1 ON/OFF dry contact
· Max length of connection: 10mt twisted cables
· Scanning power In with locked contact = 1mA for channel
Output Features
· Capacity of the relay contact 48 Vac, 1A AC1

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.

Order code

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

Dimensions
· (H. x W. x D.) 78 x 110 x 39,8 mm
Mounting
· Inwall mounting on squared or round boxes
Connections
· EIB / KNX bus connecting terminal max 0.8 mm2
· Input screw clamp, conductor section max. 1,5 mm2
Supply
· From KNXI bus 21..32 V DC SELV
Input Features
· 1 ON/OFF dry contact
· Max length of connection: 10mt twisted cables
· Scanning power In with locked contact = 1mA for channel

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): · 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 reads cards or keys at a maximum distance of 30mm from the front side.

Order code

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

Dimensions
· (H. x W. x D.) 78 x 110 x 37 mm
Mounting
· Inwall mounting on squared or round boxes
Connections
· EIB / KNX bus connecting terminal max 0.8 mm²
· Input and output screw clamps, conductor section max. 1,5 mm²
Supply
· From bus KNX 21..30 Vcc SELV
· Supplementary 12-24V AC/DC ± 10% 150mA Max

Control elements
· 1 red LED for ETS programming
· Frontal signalling
· 1 LED : Access denied /allowed
· 3 LED : freely configurable
Input Features
· 2 type ON/OFF clean contacts
· Max lenght of connection cable10mt
Output Features
· Number 2 with capacity of the contact relay: 24 VAC/DC 2 A AC1

Transformers for Access Control

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

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): · 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.

Order code

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

Dimensions
· (H. x W. X D.) 78 x 110 x 37 mm
Mounting
· Inwall mounting on squared or round boxes
Connections
· EIB / KNX bus connecting terminal max 0.8 mm²
· Input and output screw terminals, wire section max. 1.5 mm²
Supply
· KNX bus 21 .. 30 VDC SELV
· Additional 12-24V AC / DC ± 10%, 150mA max
Features
· 22 binary inputs for dry contacts
· Max length of connection cable 10m
· 2 relays, contact rating 24 VAC / DC, 2 A AC1

Control elements
· 1 red LED for ETS programming
· Frontal signaling
· 1 LED : Access denied /allowed
· 3 LED's : freely configurable
Inputs specifications
· Scanning power In with locked contact = 1mA per channel
Output Features
· Number 2 with capacity of the contact relay: 24Vac 2 A AC1
· 1 button for ETS programming

Transformers for Access Control

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

Transponder Reader
2 IN / 2 OUT - BASE
External

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. IP Protection 42.

Order code

TR22A11KNX-EXT
External Transponder Reader 2 IN - 2 OUT

Codes referred without glass or plexi frame.

Technical features

Dimensions
· (H x W x D) 78 x 110 x 37 mm
Mounting
· Inwall mounting on squared or round boxes Ø60mm
Connections
· EIB / KNX bus connecting terminal max 0.8 mm²
· Input and output screw clamps, conductor section max. 1,5 mm²
Input Features
· 1 red LED for ETS programming
· Frontal signalling
· 1 LED : Access denied /allowed
· 3 LED : freely configurable

Input Specifications
· 2 ON/OFF dry contacts
· Max lenght of connection cable 10mt
· Scanning voltage Un = 12V internally generated
· Scanning power In with locked contact = 1mA per channel
Output Features
· 2 contact relays: 24Vac 2 A AC1
Control elements
· 1 button for ETS programming

Transformers for Access Control - for transponder readers and holder

Codes	DIN	Supply	Output
PS00TI10TRA	2 Mod	230 VAC	12/24 VAC 10VA
PS00T24TRA	3 Mod	230 VAC	12/24 VAC 24VA
PS00T40TRA	3 Mod	230 VAC	12/24 VAC 40VA

Plexiglass Plate
for EXTERNAL TRANSPONDER READER 2 IN - 2 OUT

Plexiglass Plate for the code TR22A11KNX-EXT

Order code

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 code

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

Dimensions
· (H x W x D) 78 x 110 x 37 mm
Mounting
· Inwall mounting on squared or round boxes Ø60mm
Connections
· EIB / KNX bus connecting terminal max 0.8 mm²
· Input and output screw clamps, conductor section max. 1,5 mm²
Supply
· KNX bus 21 .. 30 VDC SELV
· Additional 12-24V AC / DC ± 10%, 150mA max

Input Specifications
· 2 ON/OFF dry contacts
· Max lenght of connection cable 10mt
Output Features
· 2 contact relays: 24VAC/DC 2 A AC1
Control Elements
· 1 blue guiding light
· 1 button for ETS programming

Transponder Encoder

The encoder is a device that writes / reads RFID tag. The device is surface mountingin 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 code

TE00A01KNX
Transponder Encoder

Technical features

Dimensions
· H x W x D: 87 x 142 x 107 mm
Mounting
· Placed on desk
Connection
· USB type A connector

Power
· From the PC's USB port: 5V - 150mA
Communication
· USB 1.1
Warnings
· Blue light showing running process

Transponder Cards and Key Holder

Order code

CD00A02TRC
Transponder Cards Blank - 50 pcs

CD00A03TRC
Transponder Cards Blank - 250 pcs

CD00B02TRC
Transponder Keyholder - 50 pcs

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: 125KHz-
· Temperature: from -10°C to 50°C

Esuite Software

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

Order code

SW00D04KNX
eSuite interface to management systems
SW01D05KNX
Embedded PC with eSuite
up to 10 rooms - complete - 2 clients
SW02D05KNX
Embedded PC with eSuite
up to 25 rooms - complete - 2 clients
SW03D05KNX
Embedded PC with eSuite
up to 40 rooms - complete - 2 clients
SW04D05KNX
Embedded PC with eSuite
up to 100 rooms - complete - 2 clients

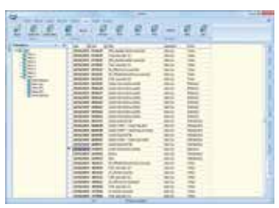
SW05D05KNX
Embedded PC with eSuite
up to 150 rooms - complete - 2 clients
SW06D05KNX
Embedded PC with eSuite
up to 200 rooms - complete - 2 clients
SW07D05KNX
Upgrade rack PC
SW00D03KNX
eSuite additional client
SW00D04KNX
eSuite interface to management systems

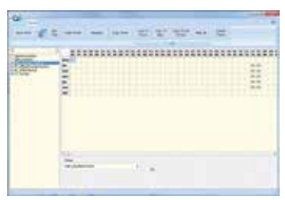
Technical features

- Number of rooms / common area according to installed license.
- Client workstation accordin to installed license
- Profiling privileges unlimited
- Using KNX functions of timing events available

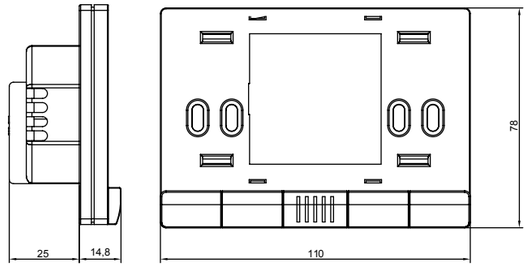
Generation KNX groups of objects available
- Automatically import object available from ETS KNX

Automatically back up data available
- Use filters to search event logs available
- Export data into CSV files / XLS / DOC available
- Connection to the bus using Falcon library
- PMS connection available

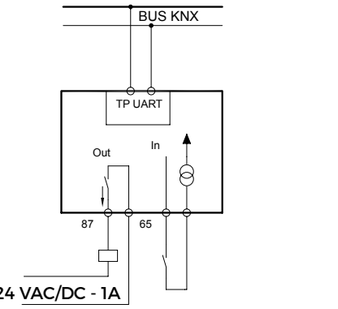




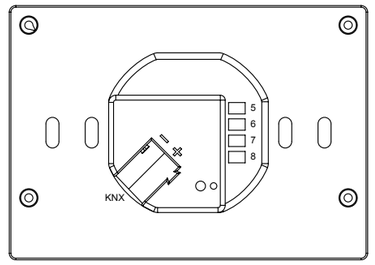
THERMOSTAT



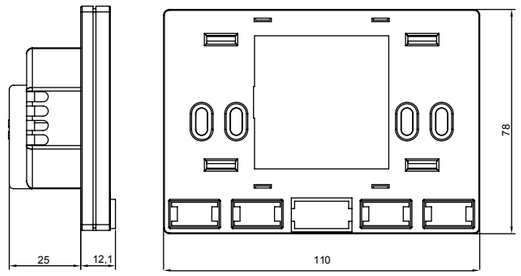
TM11C01KNX - TM11C11KNX - TM11C21KNX
TM10D01KNX - TM10D11KNX - TM10D21KNX



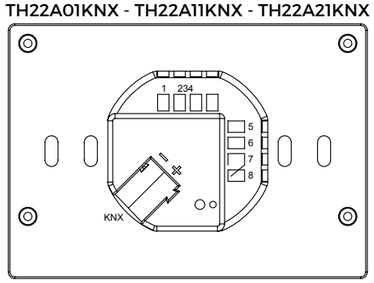
TM11C01KNX - TM11C11KNX - TM11C21KNX



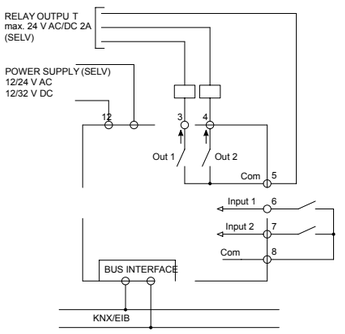
TRANSPONDER READER & HOLDER



TR22A01KNX - TR22A11KNX - TR22A21KNX
TH22A01KNX - TH22A11KNX - TH22A21KNX



TR22A01KNX - TR22A11KNX - TR22A21KNX
TH22A01KNX - TH22A11KNX - TH22A21KNX

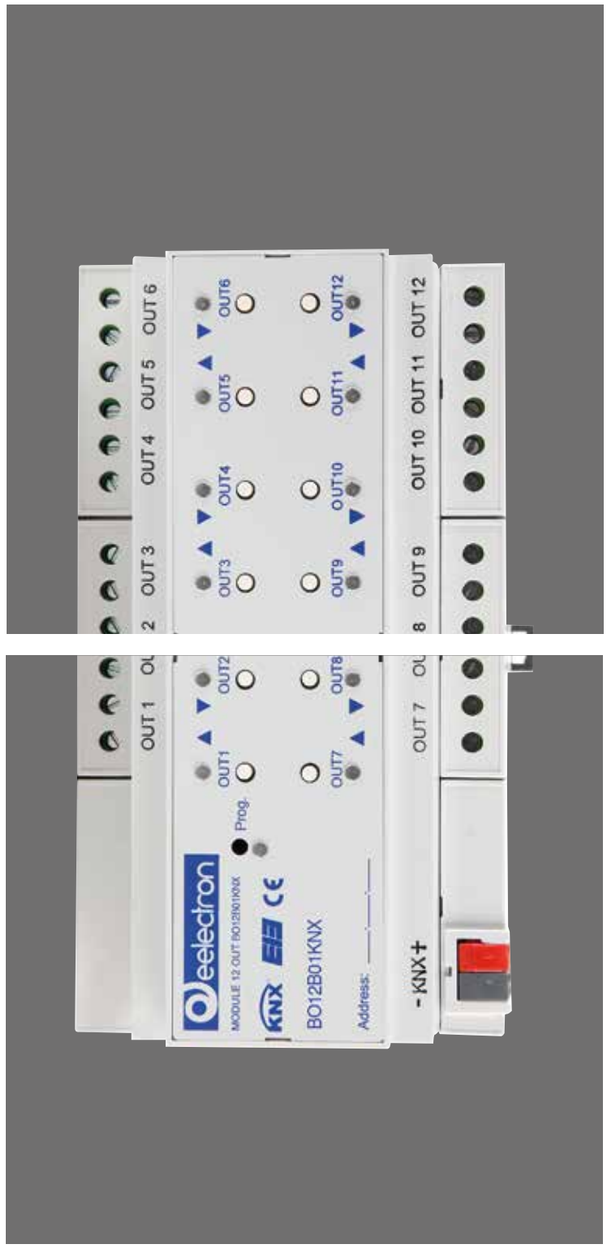


Actuators

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

Actuators, Dimmers, Presence Sensors , System components

Universal Actuators 4 - 8 - 12 with manual control



NEW DIMMER KNX®

DM04A01KNX

- **Dimmer 4 channels - 250W**
- 8 DIN module
- LED lighting control from 0W
- Unique phase mode

DL04A01KNX

- **Dimmer 4 channels RGB - White**
- 4 DIN module
- Control voltage
- Until 30W for channel
- Supply 24V
- Complete switch off relè

Push Button Interface

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

The device is dedicated to interface dry contacts with 2 or 4 input channels, such as sensors, conventional push buttons and 2 or 4 low voltage/current output channels to drive LED signal indicator lamps.
The inputs can be configured for the most common applications: actuators, dimmers, shutters and scenarios.

Order code

IO22C02KNX
Push Button Interface 2 IN - 2 OUT LED

IO44C02KNX
Push Button Interface 4 IN - 4 OUT LED

Technical features

Dimensions
· (H. x W. x D.) 43 x 36 x 17 mm
Mounting
· Fits in all standard installation boxes: 2-3 modules rectangular and round
Connections
· Bus line: 2 bus connection terminals, max wire section: 0,8mm²
· Inputs and outputs: 12-pin plug connector wired with 0,2 mm²
Supply
· From the KNX bus 21 .. 30 VDC SELV power consumption <10mA
Specific Inputs
· 2 or 4 digital inputs for clean contacts
· Maximum length 10 meters twisted cables
Specific Outputs
· 2 / 4 outputs for driving LED - Max 0.5 mA each

RC01A01IRC
IRC Device

IR00A01ACC
IRX Cabling

TS01A01ACC
Temperature probe

TS01B01ACC
External temperature probe

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.

Order code

IO32D01KNX
Inwall Actuator 3 IN /2 OUT

Technical features

Dimensions
· (H. x W.) 52 x 28 mm
Supply
· Via bus EIB/KNX cable
· Voltage 21..30V DC
· Current Consumption EIB/KNX < 10mA
Digital Input
· For free potential contacts (dry contacts)
· Max. length of Connecting Cable: ≤ 30 m (twisted cable)
· Voltage Scanning: 3,3 V DC (internally Generated)
· AWG24 cables with 1800 mm length
Analog Input for temperature probe
· For NTC temperature probe Eelectron code
· TS01A01ACC (range from -20°C to +100°C)
· TS01B01ACC (range from -50°C to +60°C)
· Max. length of Connecting Cable: ≤ 20 m (twisted cable)
Analog Input for Infrared Receiver (IRX)
· These accessories must be used:
· IR01A01ACC (IRX with cable and connector)
· RC80A01IRC (IR remote control 8 channels)
Outputs
· 10 A cos 1 - 230 Vac
· Max capacitance @230V: 21µF 5.000 cycles
· Incandescent lamps max load: 1500W 50.000 cycles
· Fluorescent lamps max load: 6 x18W 25.000 cycles
· Halogen lamps max load: 500W 50.000 cycles
· Gas discharge lamps max load: 200W 25.000 cycles

TS01A01ACC
Temperature probe

TS01B01ACC
External temperature probe

Analog / Digital Interface

8 INPUT - 4 LED OUTPUT MODULE

AD84A02KNX 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 channels to drive LED signal indicator lamps. Inputs 5 to 8, set as analog inputs, enable up to 2 temperature probes (with On/Off threshold) and 2 thermostats to control heating and cooling systems valves, 2 and 4 pipes fan coils.

Order code

AD84A02KNX
Push Button Interface 8 Input - 4 Led Output Module

Technical features

Dimensions
· (H. x. W. x D.) 43 x 36 x 24 mm
12 Channels Configurable as:
· [01 ÷ 04] 4 digital inputs (dry contacts)
· [05 ÷ 08] 4 digital or analog inputs (for clean contacts or temperature sensors)
· [09 ÷ 12] 4 digital outputs (outputs for LED)
Digital Input - Features
· 8 channels [01 ÷ 08] for dry contacts
· Maximum length 30 m twisted wires - input [01 ÷ 04]
· Maximum length 10m of twisted wires - inputs [05 ÷ 08]
· Wired with 0,2 mm² - 18 cm length - inputs [01 ÷ 04]
· Connection through 6-pin screw terminal - inputs [05 ÷ 08]
· Blinds and shutters control
· Scenarios

Analog Inputs - Features
· 4 Channels [05 ÷ 08] Configurable as temperature sensor with Eelectron NTC sensor (cod.TS01A01ACC & TS01B01ACC)
· 2 Channels [05 ÷ 06] Configurable as thermostat
Digital Outputs - Features
· 4 outputs for driving LED 0.3 mA / channel
· Use with LED Eelectron (Code LD00A01ACC / LD00A11ACC)
· Wired with 0,2 mm² 18 WNG - inputs [01÷ 04]
Heating and cooling modes
· Controls with HVAC mode or setpoint
· Setpoint modification through KNX bus
· 2 points ON / OFF and PWM control algorithm
· 3-speeds fancoil control
· OFF mode on window open detection

Universal Actuator

4 / 8 OUT

The DIN RAIL 4 and 8 Output Modules BO04A01KNX - BO08A01KNX are EIB/KNX DIN rail mounting devices useful to interface loads (e.g. lamps) for any kind of application.
Devices have 4 or 8 outputs on board that can be configured:
· Each output can be configured independently for load control
· Each output can be configured independently for ON/ OFF or continuous switching (PWM) for Electric valves (solenoid actuators)
· Outputs can be configured in pairs for the management of roller shutters and blinds; up to 2 channels (Channels A to B)
· Outputs can be configured in pairs for management
Of Motor Reductors or for solenoid valves with 3-point control or for ventilating grid; up to 2 or 4 channels (Channels A to B)
· Fan Coil Actuator for 2/4 pipes systems for Heating / Cooling with 3 speed motors) (relays from 1 to 5) only for the model BO08A01KNX.
Devices are intended to be installed on DIN rail.

Order code

BO04A01KNX
Universal Actuator 4 OUT

BO08A01KNX
Universal Actuator 8 OUT

Technical features

Dimensions
· (H. x W. x D.) 90 x 72 x 58 mm
Mounting
· 4 DIN modules
Connections
· Outputs: 2 screw connectors for channel max 4mm2
Supply
· From KNX bus 21..30 V DC SELV

Relay Output Features
· Resistive loads: max 16 A
· Incandescent Lamps: max 10 A
· Motors and motor reductors : max 10 A
· Fluorescent lighting transformer electronic: max 4 A
· Fluorescent lamps: (max 140 µF) max 3 A (700W)

Universal Actuator

4 - 8 - 12 OUT - MANUAL CONTROL

BOxxB01KNX are Din Rail 4-8-12 outputs 16 A actuators, they can be used to control up to 4-8 or 12 independent loads / lights , control up to 2-4 or 6 independent blind / roller shutters with mechanical end position. This device is intended to be installed on DIN rail.

Order code

BO04B01KNX
Universal Actuator 4 OUT – Manual control
BO08B01KNX
Universal Actuator 8 OUT – Manual control
BO12B01KNX
Universal Actuator 12 OUT – Manual control

Technical features

Dimensions
· (H. x W. x D.) : 90 x 72 x 58mm – BO04B / BO08B
· (H. x W. x D.) : 90 x 159 x 58mm – BO12B
Mounting
· 4 DIN modules – BO04B / BO08B
· 9 DIN modules – BO12B
Connections
· Outputs: 2 screw connectors for channel max 4mm2
Supply
· From KNX bus 21..32 V DC SELV

Relay Output Features
· Resistive loads: max 16 A
· Incandescent Lamps: max 10 A
· Motors & motoreductor: max 10 A
· Fluorescent light transformer electronic: max 4 A
· Fluorescent Lamps: (max 140 µF) max 3A (700W)

Universal Actuator

4 IN / 4 OUT

The DIN RAIL 4 Input / 4 Output Module IO44B02KNX-C is an EIB/KNX DIN rail mounting device useful to interface controls (e.g. push buttons) or loads (e.g. lamps) for any kind of applications.
The device is equipped with 4 binary inputs (dry contacts) and 4 relay outputs suitable for capacitive loads (-C load). Inputs can be configured for conventional switching devices, e.g. push buttons, switches, floating contacts, for switching functions with pulse edge evaluation (e.g. rising or falling edge, toggle, etc...). Inputs can be configured as output channels to drive LED for synoptic monitoring panels. Inputs can be used for switching, dimming, shutter control, scenarios; outputs include switching functions, scenarios, logic functions.
Outputs can act as interlocked channels; this function may be used to drive fan coils with 2-pipes / 3 speeds or 4-pipes / 2 speeds. Devices are intended to be installed on DIN rail.

Order code

IO44B02KNX-C
Universal Actuator 4 IN / 4 OUT C-Load

Technical features

Dimensions
· (H. x W. x D.) 90 x 72 x 58 mm
Mounting
· 4 DIN modules
Connections
· Bus line, bus connecting terminal, wire max section 0,8mm²
· Outputs: 2 screw connectors for channel max section 4 mm²
· Inputs: 3 connectors every 2 inputs, max. section 4 mm²
Supply
· From KNX Bus 21..30 V DC SELV

Input Features
· 4 binary inputs for dry contacts
· Max length 30m twisted cables
Relay Output Features
· Resistive loads: 16 A Max
· Incandescent lamps: 10 A Max
· Motors and motor reductors: 10 A Max
· Fluorescent lighting transformer. Electronic: 6 A Max
· Fluorescent lamps (Max. 140 µ) (700W Max)

Universal Actuator

8 IN / 8 OUT

The DIN RAIL 8 Input / 8 Output Module IO88B02KNX-C is an EIB/KNX DIN rail mounting device useful to interface dry contacts (e.g. push buttons) or loads (e.g. lamps) for any kind of applications. The device is equipped with 8 binary inputs (dry contacts) and 8 relay outputs. Inputs can be connected to conventional switching devices, e.g. push buttons, switches, floating contacts, for switching functions with pulse edge evaluation (e.g. rising or falling edge, toggle, etc...). Inputs can be configured as output channels to drive LEDs for synoptic monitoring panels.
Inputs can be used for switching, dimming, shutters control, scenarios; outputs include switching function, scenarios, logic functions.
Relays from 5 to 8 are equipped with manual control and can be switched manually.
Device is intended to be installed on DIN rail.

Order code

IO88B02KNX-C
Universal Actuator 8 IN - 8 OUT C-Load

Technical features

Dimensions
· (H. x W. x D.): 90 x 72 x 58 mm
Mounting
· 4 DIN modules
Connections
· Bus Line: 2 terminals for bus connection , Max section 0,8mm²
· Outputs: 2 screw terminals for channel max. section 4 mm²
· Inputs: 3 screw terminals every 2 inputs, max. section 4 mm²
Supply
· From Bus KNX 21..30 V DC SELV

Input Features
· 8 binary inputs for potential-free contacts
· Max length 30m twisted cables
Relay Output Features
· Resistive load: 16 A Max
· Incandescent lamps: 10 A Max
· Motors and motor reductors: 10 A Max
· Fluorescent lighting transformer. Electronic: 6 A Max
· Fluorescent lamps (Max. 140 µ) 700W Max

Multifunction Actuator

4 IN / 4 OUT - 8 IN / 8 OUT

The products IO44E01KNX & IO88E01KNX are an EIB/KNX DIN rail mounting devices useful to interface commands (e.g. push buttons) or loads (e.g. lamps) for any kind of applications. The devices are equipped with 4 or 8 binary inputs (clean contacts) and 4 or 8 binary relay outputs. Inputs can be connected to conventional switching devices, 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 to for on/off commands, dimming, shutter control, scenarios; outputs include switching function, scenarios and control logic function.

Order code

IO44E01KNX
Multifunction Actuator 4 IN / 4 OUT

IO88E01KNX
Multifunction Actuator 8 IN / 8 OUT

Technical features

Dimensions
· (H. x W. x D.): 90 x 72 x 58 mm
Mounting
· 4 DIN modules
Connections
· Bus Line: 2 terminals for bus connection , Max section 0,8mm²
· Outputs: 2 screw terminals for channel max. section 4 mm²
· Inputs: 3 screw terminals every 2 inputs, max. section 4 mm²
Supply
· From Bus KNX 21..30 V DC SELV

Input Features
· 4 or 8 binary inputs for dry contacts
· Max length 30m twisted cables
Relay Output Features
· Resistive loads: 16 A Max - 230 VAC
· Incandescent lamps: 10 A Max
· Motors : 10 A Max
· Fluorescent lighting transformer 2 A Max
· Fluorescent lamps: use always an external counter

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 230Vac between phase and neutral.

Order code

DM01D01KNX
Universal Dimmer 1 Channel 700 W
Master

DM01D01ACC
Universal Dimmer 1 Channel 700 W
Slave

Technical features

Dimensions
· (H. x W.x D.) 90 x 72 x 58 mm
Mounting
· 4 DIN modules
Connections
· Power supply & load cable : max 2,5 mm2 – AWG 14
· Local bus length: max 2m between 2 modules

Supply
· From KNX bus 21..32 V DC SELV
· AC: 230V 50/60 Hz
Output Features
· Incandescent or halogen lamps: 20-700 W
· Ferromagnetic transformer 20-700 VA
· Electronic transformer: 20-700 VA
· Dimmable LED Lamps :Max 160 W
· Compact flouorescent lamps (ESL/CFL): Max 160 W

Universal Dimmer

3 CHANNELS X 300 W

The 3 channel Dimmer Module is designed to drive dimmable lighting with KNX bus and allows dimming of incandescent and halogen lamps of 230V. The product can control one (900 W), two (600+300 W) or three (3x300 W) independent lighting circuits. The device is intended to be installed on DIN rail.

Order code

DM03B02KNX
Universal Dimmer 3 Channels x 300W

Technical features

Dimensions
· (H. x W. x D.) 85 x 105 x 60 mm
Mounting
· 6 DIN modules
Connections
· Bus line: 2 bus connection terminals, section 0,8 mm²
· Outputs: 2 plug-in terminals for each channel section conductors from 0.75 mm² to 2.5 mm²
Supply
· From the KNX bus and power supply 230 V 50/60 Hz

Specific Outputs
· 3 power outputs with the following characteristics
· Power: 20 W to 300 W output with the possibility of coupling between them.
· Power consumption without load 5 W
Control Elements
· 1 button to set the maximum value of brightness Max. or Min.
· 1 button for manual control of each output
Indicators
· 1 red LED for programming ETS

1-10V Dimmer

3 OUT

Dimmer used to control lighting circuits via a 1-10V connection, acting upon remote control dimmers or electronic ballasts. The device is intended to be installed on DIN rail.

Order code

DM03C02KNX
1-10V Dimmer 3 OUT

Technical features

Dimensions
· (H. x W. x D.) 86 x 72 x 66 mm
Mounting
· 4 DIN modules
Connections
· Bus line: 2 bus connection terminals, max section 0,8mm²
· Outputs: 2 screw terminals for the relay contact and 2 for the change
· 1-10V, max section: 2.5 mm²
Supply
· From KNX bus 21 .. 30 VDC SELV
Specifications 1-10V relay outputs
· 3 power outputs with the following characteristics :
· Incandescent 230V Max. 2300W
· Halogen 2300W
· Halogen lamps with magnetic transformer 1500 VA
· 1500W Halogen lamps with electronic transformer
· 1000W electronic ballast
Specifications 1-10V outputs
· 3 outputs 50mA Max.
Control Elements
· 1 button for programming ETS
· 1 button for setting the maximum value of brightness Max. or min.
· 1 button for manual control of each output
Indicators
· 1 red LED for programming ETS
· 3 output status LEDs

Energy Meter 80A

SINGLEPHASE WITH KNX INTERFACE

Active energy meters for single phase AC with LCD display backlight for the display of values, an input for switching rates between 2 and direct connection to 80A. The values of instantaneous power, KW / KVA h are score for tariff 1 and 2, and sent via the supplied KNX bus interface.

Order code

PM10A01KNX
Energy Meter 80A singlephase with KNX Interface

Technical features

Dimensions
· 3 modules DIN 43880
· Fixing 35 mm DIN rail EN 60715
· Depth 70 mm
· Reference standards for active energy - EN 50470-1-3 reactive power - output pulse EN 62053-23-31
Functionality
· Connection to single-phase 2-wires
· Rates for active and reactive energy No. 2 T1 or T2
Supply
· Power supply voltage 230 VAC
· 184 VAC voltage variation range ... 276 VAC
· Nominal frequency 50 Hz
· Power consumption (MaX.) 8 VA - 0.6 W
Overload
· Permanent voltage Un 276 V / momentarily (1 s) 300 V
· Permanent current Imax 80 A / momentary (10 ms) 2400 A
Accuracy at 23 ± 1 ° C refer to the nominal values
· Energy and power according to EN 50470-3 active% ± 1 (B)
· Energy and reactive power in accordance with EN 62053-23 ± 2%
Measuring inputs
· Listing phase / W - direct
· Current range (Ist ... IMaX) 0,025 direct connection ... 80A
· Frequency: 50 Hz
· Input waveform - sinusoidal
· Minimum current for the measurement of energy (Ist) 25 mA
S0 output according to EN 62053-31
· Pulse output for active energy and reactive
· Quantity Pulse 1000 imp / kWh
· 30 ± 2 ms pulse duration
· Power required min. 5 ... .230% ± 5 VAC / Vdd
· Maximum Series Pulse ON (Max. 230 V AC / DC) 90 mA
· Maximum Series Pulse OFF (leakage current Max. 230 VAC / DC) 1 µA
Optical Interface
· Front Calibration (precision control) LED imp / kWh 1000

Energy Meter

THREE PHASE WITH KNX INTERFACE

Active energy meter for three phase with a backlight LCD display for displaying the values, an input for switching rates between 2 rates and direct connection to 80A (PM30A) or with TA 5A/10.000 (PM30B).. The values of instantaneous power, KW / KVA h and scored for rate 1 and 2, are sent via the supplied KNX bus interface.

Order code

PM30A01KNX
Energy Meter 80A Three Phase with KNX Interface

PM30B01KNX
Energy Meter Three Phase with KNX Interface and TA connection

Technical features

Dimensions
· Case 5 DIN 43880 DIN modules
· Fixing 35 mm DIN rail EN 60715
· Depth 70 mm
Reference standards:
· Active energy - EN 50470-1-3
· Reactive energy - output pulse EN 62053-23-31
Functionality
· Electricity network connection 4-wires
· Rates for active and reactive energy No. 2 T1 or T2
Supply
· Power supply voltage 230 VAC
· Voltage variation range 184 VAC ... 276 VAC
· Nominal frequency 50 Hz
· Power consumption (Max.) 8 -0.6 W VA
Accuracy at 23 ± 1 ° C refer to the nominal values
· Energy and power according to EN 50470-3 active ± 1% class 1 (B)
· Energy and reactive power in accordance with EN 62053-23 class 2 ± 2%
Measuring inputs
· Listing phase /N - direct
· Current range (Ist ... Imax) direct connection 0,015... 80A
· Frequency: 50 Hz
· Input waveform - sinusoidal
· Minimum current for the measurement of energy (Ist) 15 mA
S0 output according to EN 62053-31
· Pulse output for active energy and reactive
· Quantity impulse 500 imp / kWh
· 30 ± 2 ms pulse duration
· Power required min. 5 ... .230% ± 5 VAC / Vdd
Optical interface
· Calibration Front (precision control) LED imp / kWh 1000

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-address control of DALI lights via KNX telegrams. This allows the integration of room-specific light controls, for example, of open-plan offices, multipurpose spaces, production facilities, training and conference rooms into the higher-level of KNX building management. Depending on the configuration, up to 32 independent DALI groups are available for group addressing. For alternative control, these can be supplemented with 64 individually-addressable DALI device channels, as necessary. Optionally, master control of all connected DALI components is possible (broadcast). This means that there is no need to commission DALI, the lighting systems with few functions can be started up quickly and easily (simplified configuration without DALI commissioning). The DALI Gateway is supplied completely via the mains voltage connection and makes the DALI system voltage (typ. DC 16 V) available.The device is designed for mounting on DIN rails.

Order code

IC00P01DAL
Gateway KNX/DALI

Technical features

Dimensions
· (H. x W. x D.) 90 x 72 x 58 mm
Mounting
· 4 DIN modules
Connections
· 2 screw connectors by channel max 4mm2
Supply
· From KNX bus 21..32 V DC SELV
· AC: 110...240V (50/60 Hz)
· DC: 110....240V
· DALI: DC 16V
Output Features
· Control of up to 64 DALI devices
· Automatic ECG replacement
· Individual, group or central addressing
· Emergency lighting management
· Effect control for dynamic lighting effects or colour games
· Manual operation of the DALI groups
· Disabling function for each DALI group
· Operating hours counter

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.

Order code

IC00B01DMX
Gateway KNX-DMX

Technical features

Dimensions
· (H. x W. x D.) 75 x 107 x 31 mm
Mounting
· 6 DIN modules
Operating Temperature
·-5 ° C / 45 ° C
Control Elements
· 3 x 16 potentiometers, stepper positions
· 1 button (user), 2 LEDs (user)
· 1 button programming for KNX and LED

KNX Power
· 21 - 30 V DC 150 mW
Programming
· Using the USB port
Supply
· 9-30V DC, 100mA, separated

Presence Sensors

INWALL OR SURFACE MOUNTING

Presence sensor dedicated to KNX installations in offices, conference rooms, schools, hospitals etc.. Up to 4 different operating modes are possible: the first is standard semi-automatic or fully automatic mode (switching), the second is a semi-automatic or fully automatic mode with the constant adjustment of brightness (dimming), the third is slave mode, the fourth is a permanent adjustment of the light (control of light is not dependent on the presence). Two target values are set (specified in Lux) and a reference value remains fixed (specified in%). The values can be modified using a communication object. Reflectivity for a better adjustment to environmental conditions. HVAC channels activated by push button.

Order code

PD00C03KNX
KNX Presence Sensors - Inwall Mounting

PD00C04KNX
KNX Presence Sensors - Surface Mounting

Technical features

Dimensions
· 98 x 50 mm H - Model Code PD00C03KNX
· 80 x 84.5 mm H - Model Code PD00C04KNX
Supply
· 24VDC to KNX / EIB-Bus Network
Detection area:
· 360 ° circular

Range (diameter) in meters:
· Sitting 4.00 m
· Movement away 10.0 m
· Movement approaching 6.0 m
Degree of protection:
· FM IP20 / Class II / EC
· Ambient temperature: -25 ° C to +50 ° C

Power Supply

160 - 320 - 640 mA

Power supply for generating bus voltage on a line with a maximum current of 160, 320 or 640mA according to the model. 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.

Order code

PS00C01KNX
160 mA Power Supply

PS00B02KNX
320 mA Power Supply

PS00B03KNX
640 mA Power Supply

Technical features

Dimensions
· (H. x W. x D.) 90 x 72 x 58 mm for 160 & 320 mA codes
· (H. x W. x D.) 90 x 110 x 58 mm for 640 mA code
Mounting
· 4 DIN modules (PS00C01KNX & PS00B02KNX)
· 6 DIN modules (PS00B03KNX)
Connections
· Bus line connecting terminal, wire max section 0,8mm²
· Power supply 230V with plug-in terminals, cable max section 2,5mm²
Supply
· 230V AC, 50-60Hz

Output voltage
· 29 ± 1V DC
Output current / model
· Max 160mA, 320mA, 640mA with protection against short circuit
Control elements
· 1 switch to reset output power
Indicators
· 1 green LED for power bus
· 1 red LED for overload warning

Line Coupler

KNX

LC00A01KNX can be used as a line coupler to connect a line to a main line or as a backbone coupler to connect a main line to a backbone line. LC00A01KNX supports long messages (up to 250 bytes) and provides a configurable special function that can be activated by a frontal button which is very useful in commissioning / installing phase or during system tuning.

Order code

LC00A01KNX
Line Coupler KNX

Technical features

Dimensions
· (H. x W. x D.) 80 x 36 x 58 mm
Mounting
· 2 DIN modules
Connections
· KNX/EIB bus terminal for main line and subline
Supply
· From KNX bus 21..32 V DC SELV
Control Elements
· 1 button: Programming for ETS
Indicators
· LED Bus Stat Main green - Off: main line error - On: main line ok
· LED Bus Stat Main red - On: manual overwrite active
· LED Bus Stat Sub green - Off: sub line error or not connected On: sub line ok
· LED Traffic Main green - Blinking: bus traffic on main line Off: no traffic on main line
· LED Traffic Sub green - Blinking: bus traffic on sub line Off: no traffic on sub line
· LED Traffic Main red - Blinking: transmission error on main line
· LED Traffic Sub red - Blinking: transmission error on sub line
· LED Group Address - Routing of group telegrams Off: main and sub different - Green: filter table active Green and red: route all - Red: block
· LED Physical Address - Routing of physical addressed telegrams - Off: main and sub different Green: filter table active - Green and yellow: route all - Yellow: block

USB - IP - IP Router

INTERFACES

These devices allow the communication between computers, IP devices with the KNX bus system.
- KNX / USB 1.1 or 2 interface for direct connection to your computer
- KNX / IP interface for direct or LAN connection for programming or supervision of the KNX system.
- KNX / IP router, is used for connectionless and simultaneous transmission of KNX telegrams to several devices. It can also be used as a programming interface KNX bus system

Order code

IN00A02USB
USB / KNX Interface

IN00A02IPI
IP / KNX Interface

IN00A01RIP
IP ROUTER / KNX Interface

Technical features

Dimensions
· (H. x W. x D.) 90 x 36 x 65 mm
Mounting
· 2 DIN modules
Connections for USB / KNX
· Bus line with bus connecting terminal, wire max section 0,8mm²
· USB type B socket
Connections for Interface IP - IP Router / KNX
· Bus line bus connecting terminal, wire max section 0,8mm²
· Additional power supply: 2-wire screw terminals with max section 4 mm²
· Network RJ45 LAN jack

Supply
· From the KNX bus 21 .. 30 VDC SELV <300 mW
· Additional 5V DC <200 mW through USB for
KNX/USB interface
· Additional 12/24 V DC for KNX/IP interface
· Additional 12/24 V DC for KNX/IP Router
Indicators
· 1 green LED active connection
· 1 yellow LED notification of data traffic

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.

Order code

CV00A01KNX
Double-bus cable 2x2x0, 8 coils 100mt
CV05A01KNX
Double-bus cable 2x2x0, 8 coils 500mt
CV10A01KNX
Double-bus cable 2x2x0, 8 coils 1000mt
CV00A02KNX
Single bus cable 1x2x0, 8 coils 100mt
CV05A02KNX
Single bus cable 1x2x0, 8 coils 500mt
CV05A02KNX
Single bus cable 1x2x0, 8 coils 1000mt

Technical features

Inner Conductor
· Solid bare copper wire
Construction
· 1 x 2 x 0,8 or 2 x 2 x 0,8 mm
Dielectric
· Low smoke zero halogen fire retardant compound (LSZHFRNC)
Colours
· Red, black or red, black, yellow, white

Outer Jacket
· Low smoke zero halogen fire retardant compound (LSZHFRNC)
Classified
· CEI 20-11 M1
According to
· IEC 60332-1, IEC 61034-1= IEC 61034-2
Diameter
· 5,20 mm ± 0,20 colour
Colour
· Green (RAL 6018)

Miniature LED Lamps

3V BLUE OR WHITE

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

Order code

LD00A01ACC
Miniature LED Lamps Blue 3V 20 pcs
LD00A02ACC
Miniature LED Lamps Blue 3V 60 pcs
LD00A11ACC
Miniature LED Lamps White 3V 20 pcs
LD00A12ACC
Miniature LED Lamps White 3V 60 pcs

Technical features

Dimensions
· 3 mm x 4.3 mm (width and height) and 3.85 mm (radius)
· Current: 20 mA
· Reverse Voltage: 5 V
· Luminous Intensity: 4000 Min - Max 9000mcd

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.

Order code

WG00A01ACC
KNX Wago Connector Red / Black Box 10 pcs
WG00A02ACC
KNX Wago Connector Red / Black Box 100 pcs

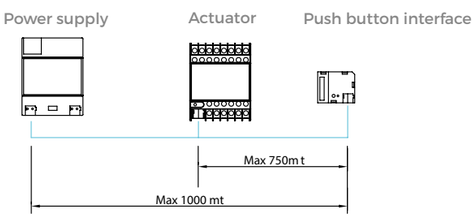
Technical features

Dimensions
· (H. x W. x D.) 11.5 x 10 x 10 mm
Features
· Wire 22 to 18 AWG (0.6 - 1 mm)
· EN detected voltage 100V
· Rated current 6A
· Stripping length from 5 to 6 mm

Bus Line Extension

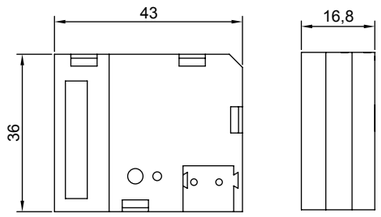
The structure of a KNX installation comprises areas, lines and devices. Each line consists of a power supply that provides voltage (SELV 29V), and a maximum of 64 devices connected in any installation topology. More bus lines can communicate with each other through "Line / Area Couplers". To achieve coupling between 15 lines, you need to create an Area composed of a total of 960 devices: this can be coupled to a maximum of 15 other Areas.

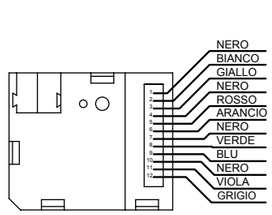
A bus line can have a maximum length of 1,000m (considered as the sum of all segments in the line), and the maximum distance between the adapter and the farthest device or between two devices is 750 m.

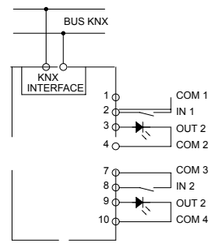


PUSH BUTTON INTERFACE 2 IN / 2 OUT LED - PUSH BUTTON INTERFACE 4 IN / 4 OUT LED

IO22C02KNX - IO44C02KNX

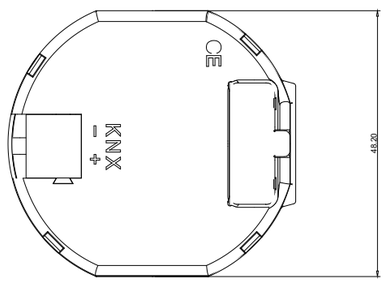


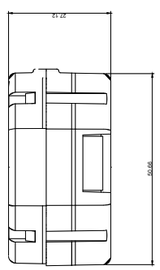


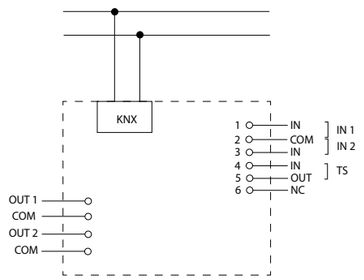


INWALL MODULE 3 IN / 2 OUT

IO32D01KNX

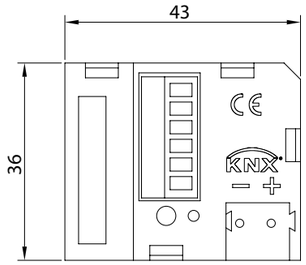


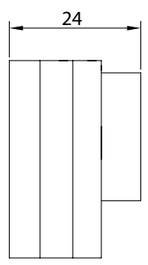


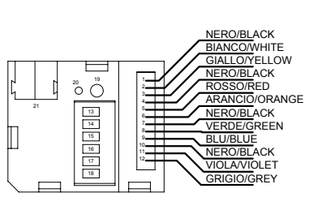


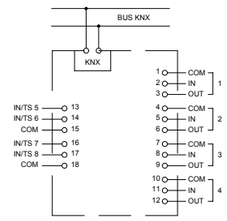
INWALL 8 INPUT/4 LED OUTPUT MODULE

AD84A02KNX



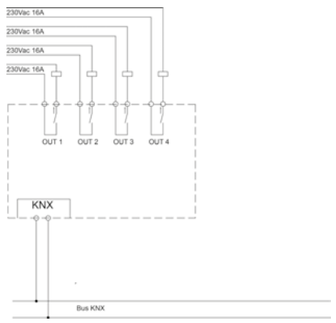


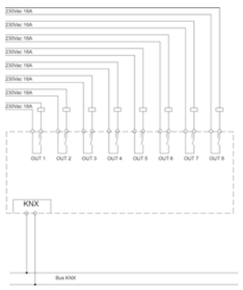




UNIVERSAL 4 OUT / 8 OUT / 12 OUT

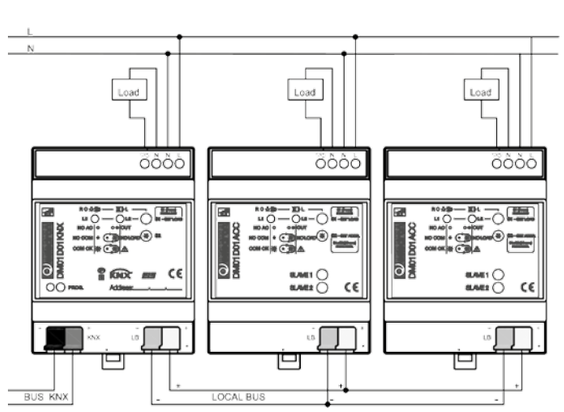
BO04A01KNX - BO08A01KNX - BO12B01KNX
BO04B01KNX - BO08B01KNX

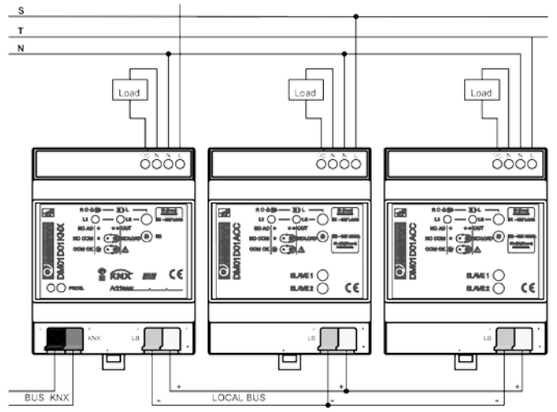




UNIVERSAL DIMMER 1 CHANNEL 700W

DM01D01KNX - DM01D01ACC



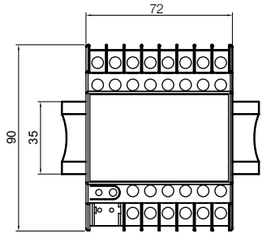


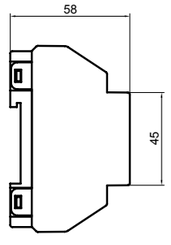
GATEWAY DALI/KNX

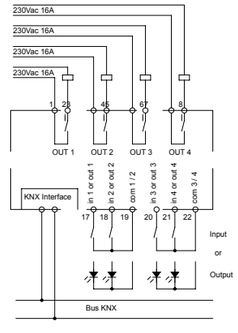
IC00P01DAL

UNIVERSAL 4 IN / 4 OUT C-LOAD - MULTIFUNCTIONAL 4 IN / 4 OUT

IO44B02KNX-C - IO44E01KNX

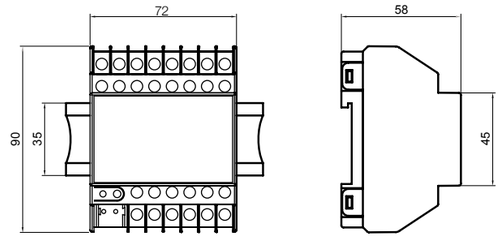


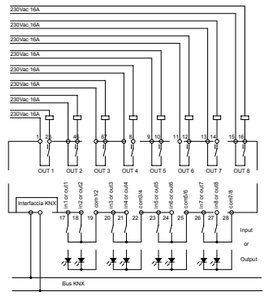




UNIVERSAL 8 IN / 8 OUT C-LOAD - MULTIFUNCTIONAL 8 IN / 8 OUT

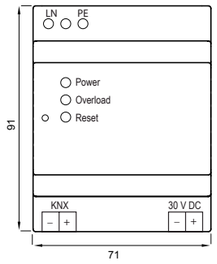
IO88B02KNX-C - IO88E01KNX

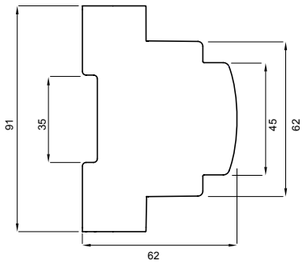


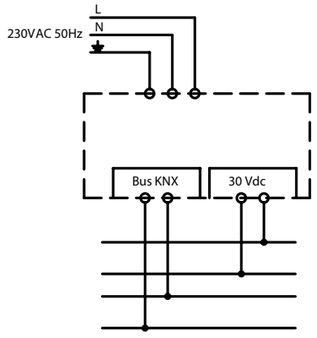


160 mA POWER SUPPLY

PS00C01KNX

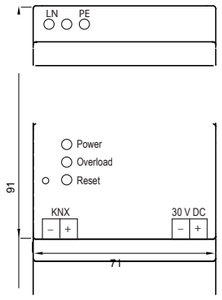


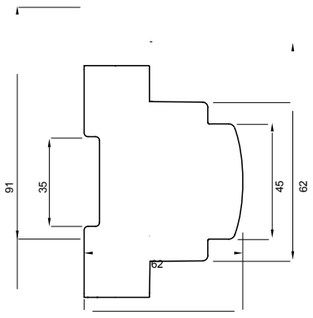


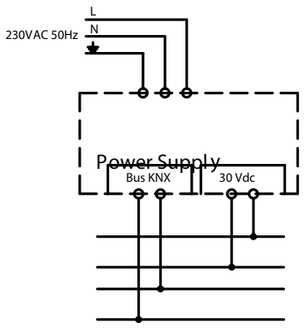


320 mA POWER SUPPLY

PS00B02KNX

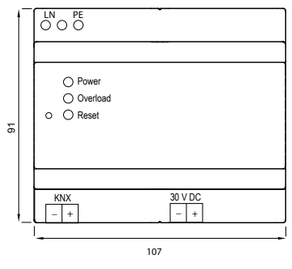


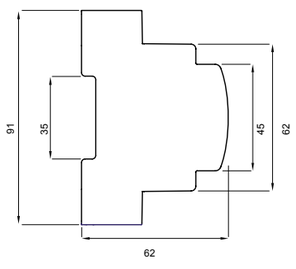


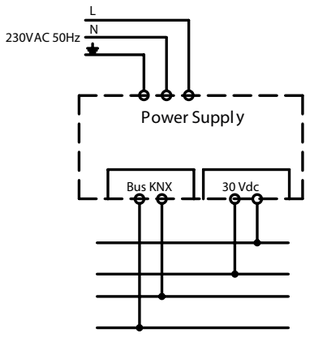


640 mA POWER SUPPLY

PS00B03KNX

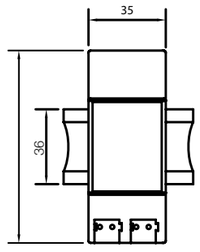


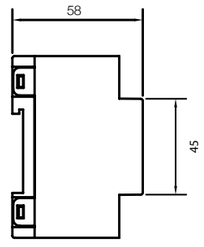


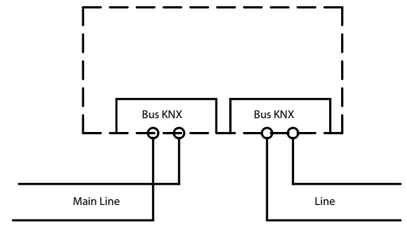


BUS LINE COUPLER KNX

LC00A01KNX

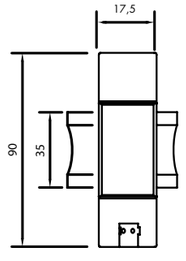


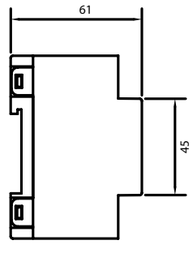


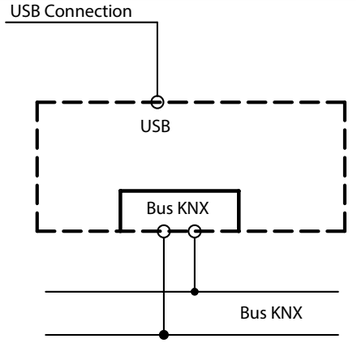


USB/KNX INTERFACE

IN00A02USB

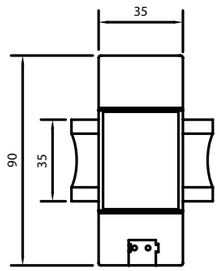


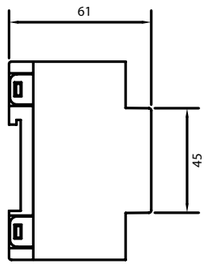


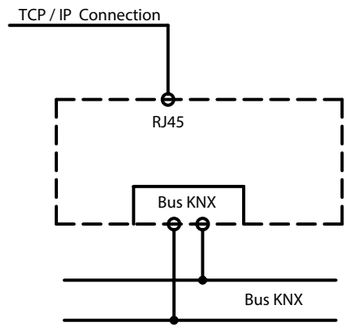


IP ROUTER /KNX INTERFACE - IP/KNX INTERFACE

IN00A01RIP
IN00A02IPI







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