

 **eeelectron**[®]
Building & Home Evolution

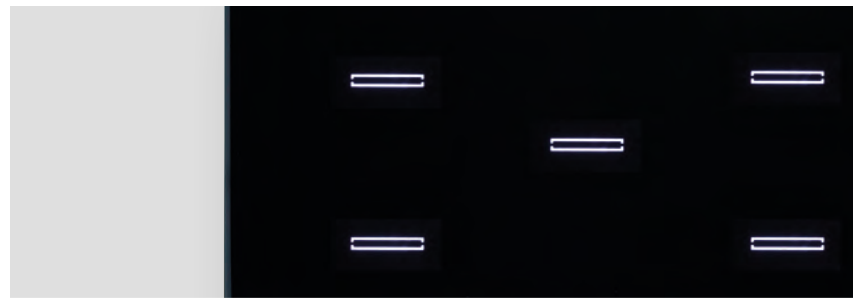




Eelectron, the tradition of pioneering

9025

Pag. 4



3025

Pag. 24



eelecta

Pag. 36



GlassPad

Pag. 54



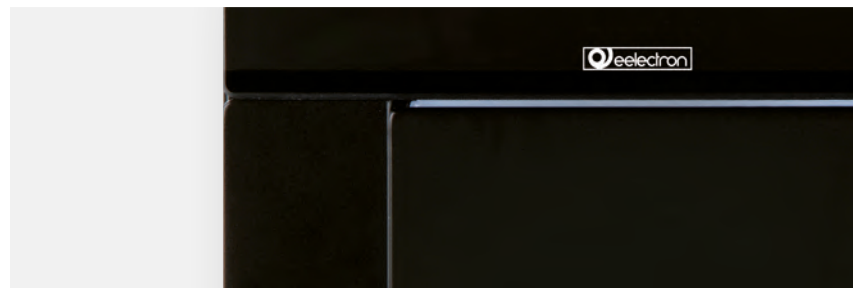
HORIZONE

Pag. 66



Synchronicity

Pag. 74



Actuators

Pag. 86



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 highly 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 .



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

KNX is approved by:

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

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



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

- KNX Developer since **19 years**.
- R&D, Design and manufacturing **fully made in Italy**.
- Global partners in more than **78 Countries**.
- Over **29,000** 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 **Hasselt, Dubai, Beijing, Hong Kong**



9025

evolving skills



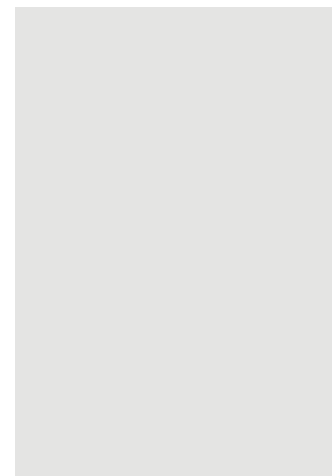
9025 KNX® is a set of touch switches, a range dedicated to temperature management, and a technological system to control smart buildings.



Design: Marco Fossati



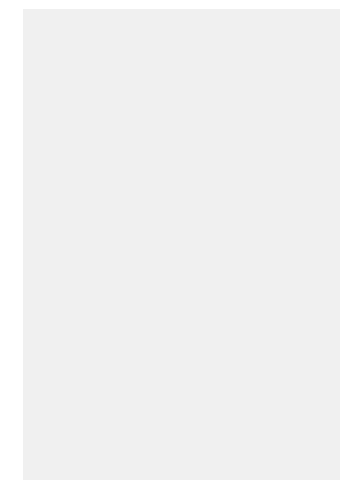
Capacitive switches
Up to 10 controls, freely configurable



RGB Led bar
Temperature
HVAC Mode
Alarm display
Status display
Feedbacks



On/off
Scenes
Dimming
Shutters/Venetians
aRGB management
Control sequence



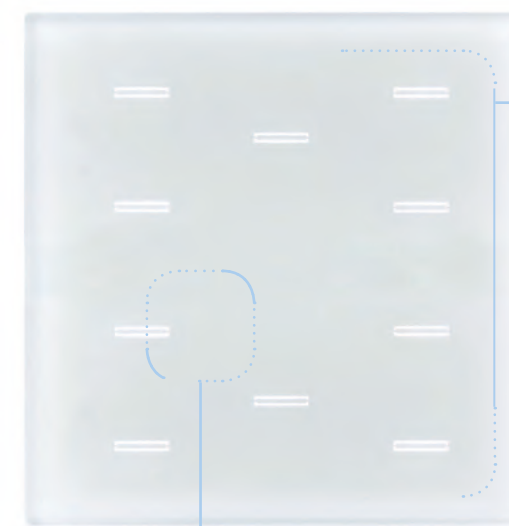
Proximity sensor



**Thermostat
Humidistat**
2 stage room temperature
controller



Available in 5 version, up to 10 controls.
in white or black glass finishing



**Touch switches
free configuration**

- On/ off
- Scenes
- Dimming
- Shutters / venetians
- HVAC control
- RGB management
- DND & M.U.R. logic
- Control sequences
- ...
- Touch switches with proximity

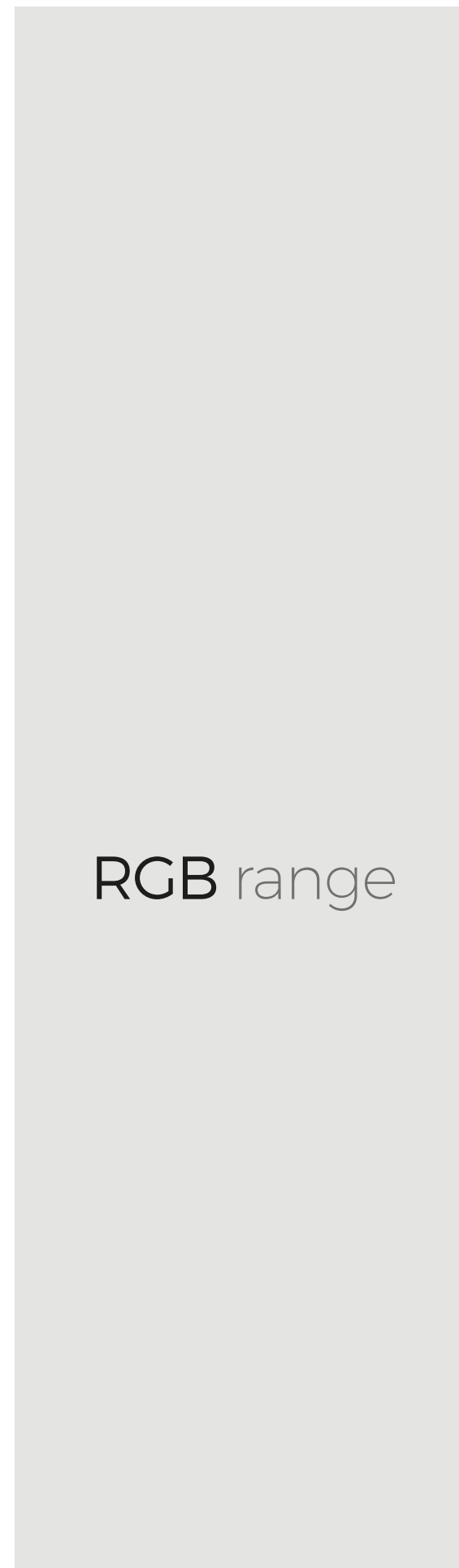


Embedded input

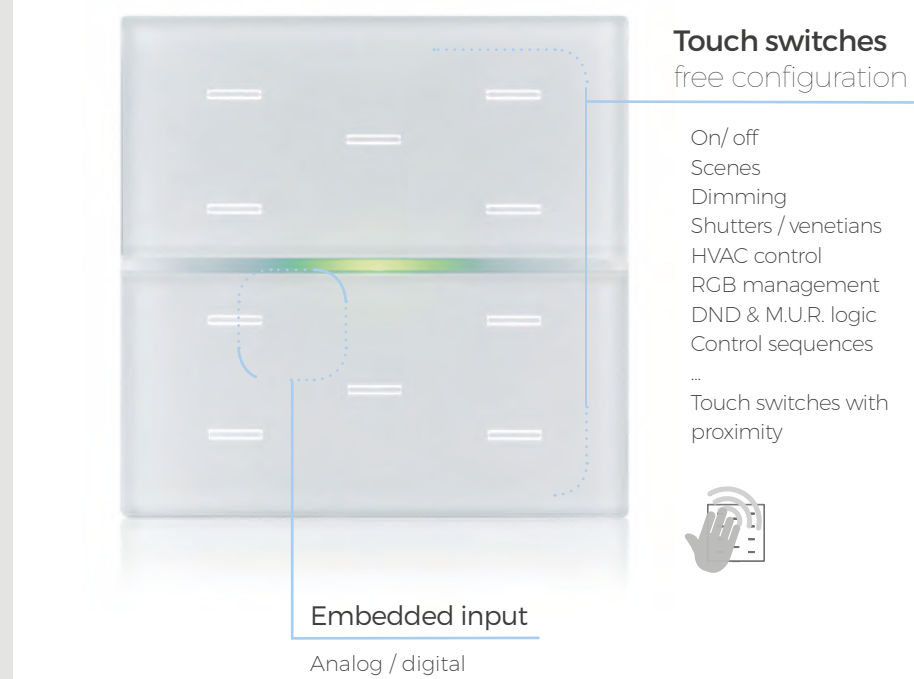
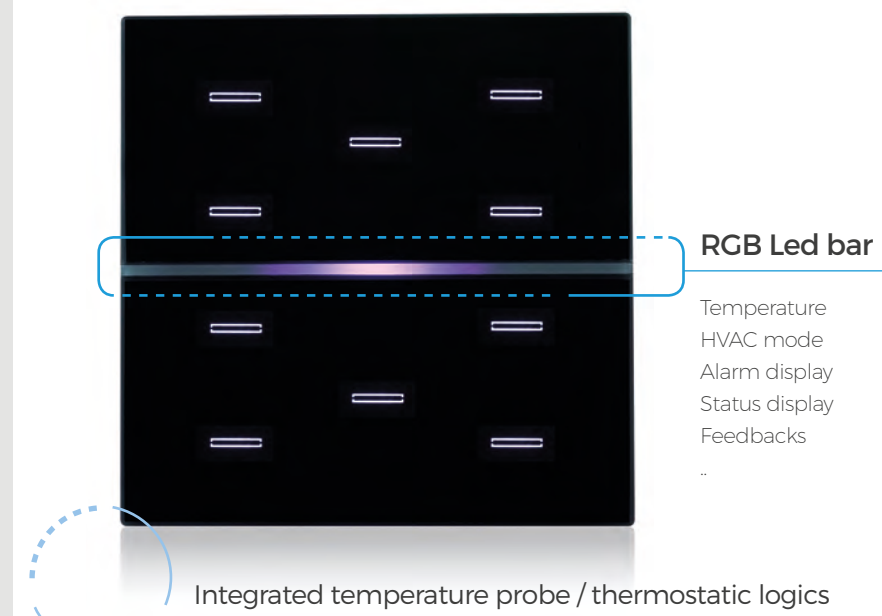
Analog / digital



Integrated temperature probe / thermostatic logics



Available in 5 version, up to 10 controls.
in white or black glass finishing



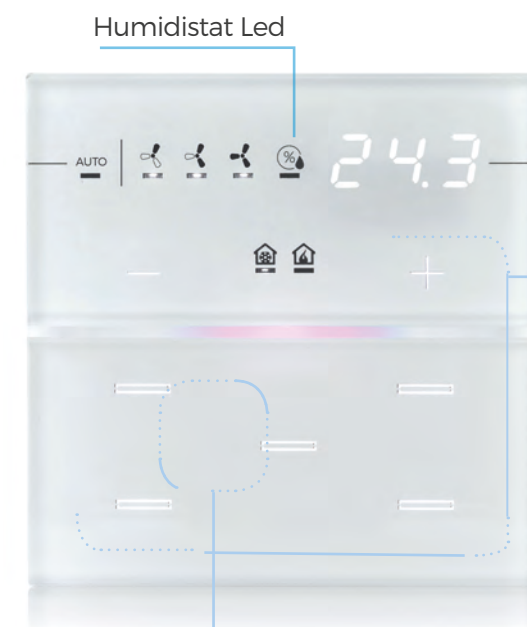


Thermostat Humidistat

DESIGN PLUS
powered by light+building



Available in Residential or Hotel version
with Humidistat option, up to 7 direct controls,
in white or black glass finishing



Humidistat Led

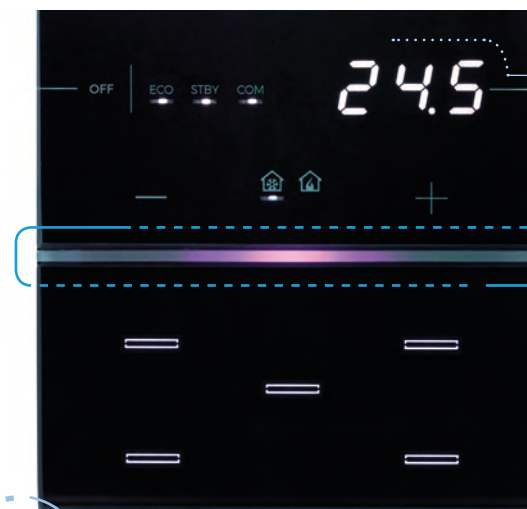
7 touch switches
free configuration

- On/ off
- Scenes
- Dimming
- Shutters / venetians
- HVAC control
- RGB management
- DND & M.U.R. logic
- Control sequences
- ...
- Touch switches with proximity



Embedded input

Analog / digital



RGB Led bar

- Temperature
- HVAC mode
- Alarm display
- Status display
- Feedbacks
- ..

Integrated temperature probe / thermostatic logics

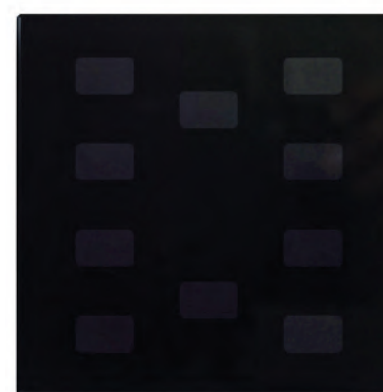
Second temperature probe to manage a separate output
(e.G. towel heater)

Display available for **hotel** or **residential** applications

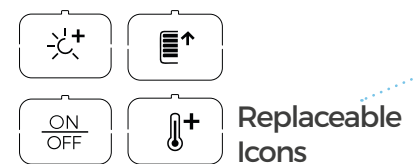
Custom Version



Customize
your controls after
programming
stage



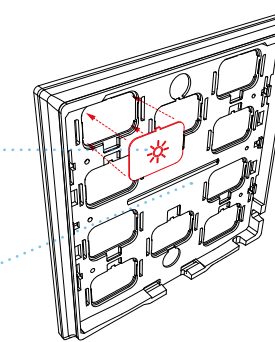
Replaceable
Icons



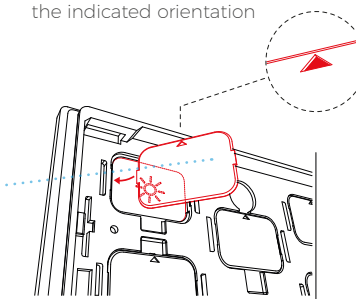
Replaceable
Icons



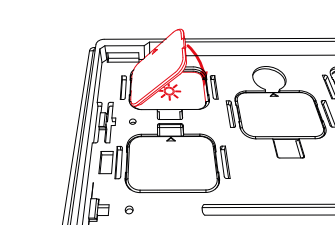
Light
Guides



Put the icon in the seat following
the indicated orientation



Position the light guide keeping
the side identified by the symbol
▲ on the outside



Insert the light guide first on the
short side, then push down until you
hear the click!

The 9025 CUSTOM version allows the installer to associate functions to displayed icons after installing the product, using a set of pre-printed icons.

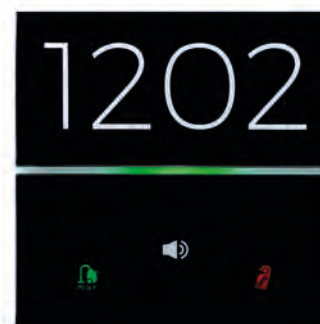
A simple, clear and flexible solution that delivers the highest possible customization level.

HOSPITALITY TODAY

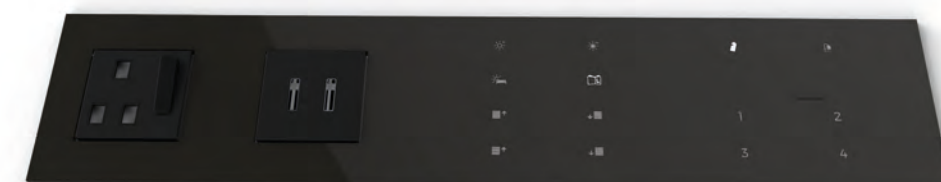
Hotel application

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

We have specialised several products functions to be applied to the hospitality segment, equipping the range with aesthetic elements, as door and bed side panels, or functional features, with dedicated logic to detect guests presence, or manage multiple communicating rooms heating, cooling and controls providing changes as required from the reservation center.



External Doorpanel



Bedside Custom Panel



KNX Capacitive Switch Boards



CS10A01KNX-1
capacitive switch KNX
white



CS10A01KNX-3
capacitive switch KNX
black

Standard Range Covers



9025GL02A01
glass 2 channels
white



9025GL04A01
glass 4 channels
white



9025GL06A01
glass 6 channels
white



9025GL08A01
glass 8 channels
white



9025GL10A01
glass 10 channels
white



9025GL02A03
glass 2 channels
black



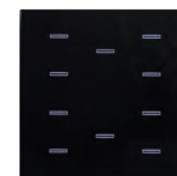
9025GL04A03
glass 4 channels
black



9025GL06A03
glass 6 channels
black



9025GL08A03
glass 8 channels
black



9025GL10A03
glass 10 channels
black

RGB Range Covers



9025GL02B01
double glass 2 ch.
white



9025GL04B01
double glass 4 ch.
white



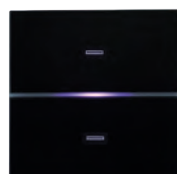
9025GL06B01
double glass 6 ch.
white



9025GL08B01
double glass 8 ch.
white



9025GL10B01
double glass 10 ch.
white



9025GL02B03
double glass 2 ch.
black



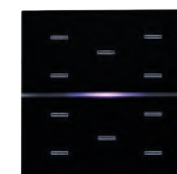
9025GL04B03
double glass 4 ch.
black



9025GL06B03
double glass 6 ch.
black



9025GL08B03
double glass 8 ch.
black



9025GL10B03
double glass 10 ch.
black

Door Panel Covers



9025GL02E01
door panel 2 ch.
white + RGB
DND/MUR + Bell



9025GL02E03
door panel 2 ch.
black + RGB
DND/MUR + Bell

CAPACITIVESWITCHES



KNX Capacitive Switch

The KNX® 9025 switch range consists of 2 – 4 – 6 - 8 – 10 channels capacitive buttons. Each button can be configured to manage on/off commands, dimming, shutters and venetians control, scene recall and control, objects sequences etc;

Device includes a 2 stage Room Temperature Controller with integrated PI to control heating and cooling equipments, valves, 2 and 4 pipes fan coils; etc..

Device has an embedded temperature sensor and a rear 2 poles connector configurable as digital or analog input; It's possible to connect an additional NTC temperature probe (eelectron codes TS01A01ACC or TS01B01ACC - not included) to perform a direct temperature measurement.

9025 range has a RGB led bar on the front side in order to visualize feedbacks or other values available over the KNX bus (function available on the RGB range).

Devices are available in 2 ranges: STANDARD and RGB; each range may have glasses in CUSTOM version. Using glasses in CUSTOM version is possible to light up custom and interchangeable icons matching with the associated function.

The 9025 KNX® range is mounted in 2 module box and is compliant with main standards (British, German, Italian, etc).

Device is equipped with KNX communication interface

Technical Features

Power Supply

| | |
|------------------------------|-----------------|
| Via bus EIB/KNX cable: | 21..32V DC |
| Current Consumption EIB/KNX: | max 16 mA @ 29V |
| | max 20 mA @ 21V |
| (economy mode) | max 12 mA @ 29V |

Rear Input - digital mode

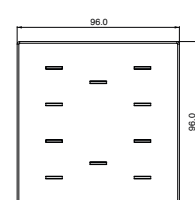
For free potential contacts (dry contacts)
Max. length of Connecting Cables ≤ 10 m (twisted cable)
Voltage Scanning 3,3 V DC (internally generated)

Rear input - analog mode for temperature probe

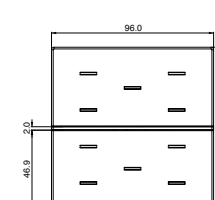
For NTC temperature probe eelectron code:
TS01A01ACC (range from -20°C to +100°C)
TS01B01ACC (range from -50°C to +60°C)
Max. length of Connecting Cable: ≤ 20 m (twisted cable)

Mechanical data

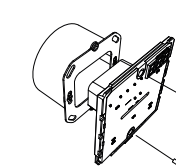
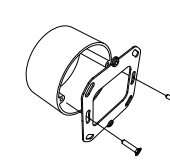
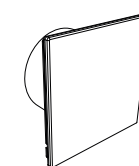
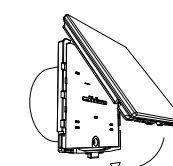
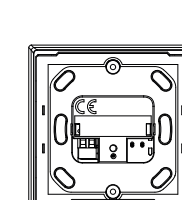
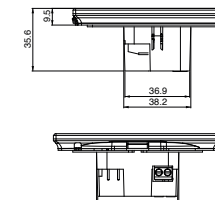
Case: plastic (PC-ABS)
Dimensions: (W x H x D) 96 x 96 x 36 mm
Weight (with glass): approx. 130g (220g)



STANDARD RANGE



RGB RANGE



Order Codes

KNX Capacitive Switch Boards

- CS10A01KNX-1
KNX Capacitive switch - White
- CS10A01KNX-3
KNX Capacitive switch - Black

Standard Range Covers

- 9025GL02A01
Class 2 channels - White
- 9025GL04A01
Class 4 channels - White
- 9025GL06A01
Class 6 channels - White
- 9025GL08A01
Class 8 channels - White
- 9025GL10A01
Class 10 channels - White
- 9025GL02A03
Class 2 channels - Black
- 9025GL04A03
Class 4 channels - Black
- 9025GL06A03
Class 6 channels - Black
- 9025GL08A03
Class 8 channels - Black
- 9025GL10A03
Class 10 channels - Black

RGB Range Covers

- 9025GL02B01
Class 2 channels - White
- 9025GL04B01
Class 4 channels - White
- 9025GL06B01
Class 6 channels - White
- 9025GL08B01
Class 8 channels - White
- 9025GL10B01
Class 10 channels - White
- 9025GL02B03
Class 2 channels - Black
- 9025GL04B03
Class 4 channels - Black
- 9025GL06B03
Class 6 channels - Black
- 9025GL08B03
Class 8 channels - Black
- 9025GL10B03
Class 10 channels - Black

Door Panel Covers

- 9025GL02E01
Door Panel 2 channels - White + RGB
- 9025GL02E03
Door Panel 2 channels - Black + RGB

KNX Capacitive Thermostat Boards



RT07A01KNX-1
KNX capacitive thermostat
white



RH07A01KNX-1
KNX capacitive thermostat/
humidistat
white



RT07A01KNX-3
KNX capacitive thermostat
black



RH07A01KNX-3
KNX capacitive thermostat/
humidistat
black

Thermostat/Humidistat Covers



9025GT07B01-R
double glass
RESIDENTIAL display
white



9025GT07B01-H
double glass
HOTEL display
white



9025GT07B03-R
double glass
RESIDENTIAL display
black



9025GT07B03-H
double glass
HOTEL display
black

CAPACITIVETHERMOSTAT



KNX Thermostat / Humidistat

The 9025 thermostat is a KNX® room temperature controller that includes 7 configurable capacitive buttons for on / off, dimming, rolling shutters and venetian controls, scene recall and control, object sequences, local thermostat controls, etc.

Device offers a 2 stage thermostat with integrated PI controller to control heating and cooling equipments, valves, 2 and 4 pipes fan coils etc ..

Device has an embedded temperature sensor and a rear 2 poles connector, configurable as digital or analog input; It's possible to connect an additional NTC temperature probe (eelectron codes TS01A01ACC or TS01B01ACC - not included) to perform a direct temperature measurement.

A version with integrated temperature and relative humidity sensor is available usable for controlling actuators for ambient humidity control.

9025 range has a RGB led bar on the front side in order to visualize thermostat operating modes or feedbacks and other values available over the KNX bus.

The device includes an RGB led bar on the front to display status or other values available on the KNX bus. Glass covers are available for HOTEL or RESIDENTIAL applications; both covers can be in CUSTOM version. Using glasses in CUSTOM version is possible to light up custom and interchangeable icons matching with the associated function.

The 9025 KNX® range is mounted in 2 module box and is compliant with main standards (British, German, Italian, etc).

Device is equipped with KNX communication interface.

Technical Features

Power Supply

| | |
|-----------------------------|-----------------|
| Via bus EIB/KNX cable | 21..32V DC |
| Current Consumption EIB/KNX | max 20 mA @ 29V |
| | max 24 mA @ 21V |
| (economy mode) | max 12 mA @ 29V |

Rear Input - digital mode

| | |
|--|---------------------------------|
| For free potential contacts (dry contacts) | |
| Max. length of Connecting Cables | ≤ 10 m (twisted cable) |
| Voltage Scanning | 3,3 V DC (internally generated) |

Rear input - analog mode for temperature probe

| | |
|---|------------------------------|
| For NTC temperature probe eelectron code: | |
| TS01A01ACC | (range from -20°C to +100°C) |
| TS01B01ACC | (range from -50°C to +60°C) |
| Max. length of Connecting Cable: | ≤ 20 m (twisted cable) |

Mechanical data

| | |
|----------------------|-----------------------------|
| Case: | plastic (PC-ABS) |
| Dimensions: | (W x H x D) 96 x 96 x 36 mm |
| Weight (with glass): | approx. 130g (220g) |

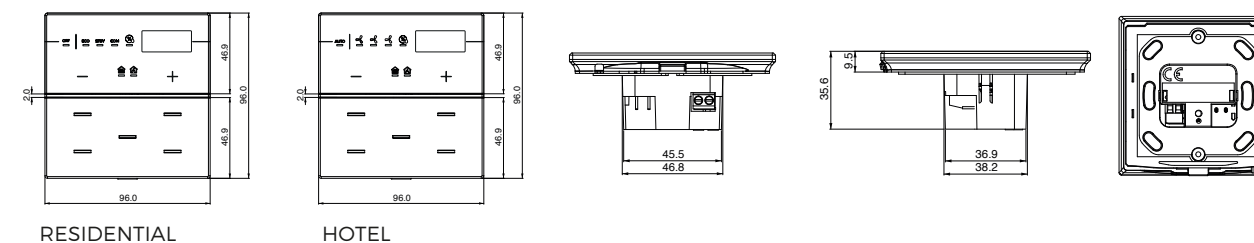
Order Codes

KNX Thermostat/Humidistat Boards

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

Thermostat/Humidistat Covers

- 9025GT07B01-R**
Double glass RESIDENTIAL display
White
- 9025GT07B01-H**
Double glass HOTEL display
White
- 9025GT07B03-R**
Double glass RESIDENTIAL display
Black
- 9025GT07B03-H**
Double glass HOTEL display
Black

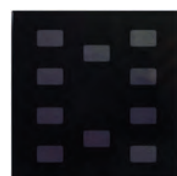


KNX Capacitive Switch Custom Version

Custom Version - Standard Range Covers



9025GL10C01
CUSTOM glass
white

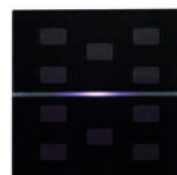


9025GL10C03
CUSTOM glass
black

Custom Version - RGB Range Covers

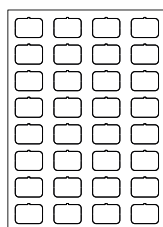


9025GL10D01
CUSTOM double glass
white

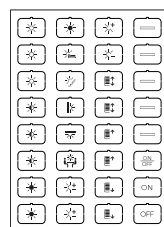


9025GL10D03
CUSTOM double glass
black

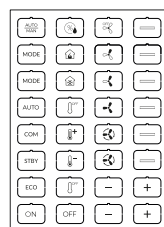
Custom Version - Icons Sheet Sets



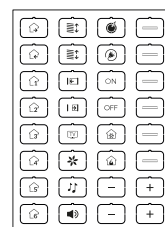
9025ISA-1
icon sheet
SET A | White
32 icons



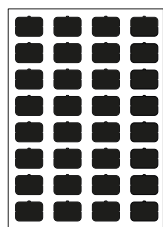
9025ISB-1
icon sheet
SET B | White
32 icons



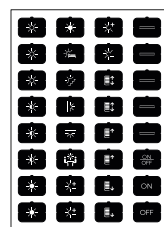
9025ISC-1
icon sheet
SET C | White - 32
icons



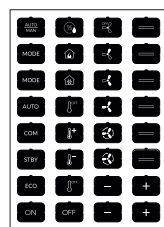
9025ISD-1
icon sheet
SET D | White - 32
icons



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



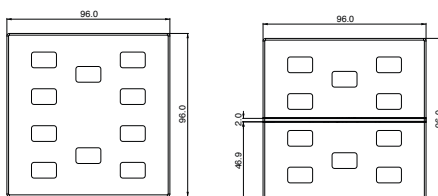
9025ISB-3
icon sheet
SET B | Black
32 icons



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



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



KNX Thermostat / Humidistat Custom Version

Custom Version - Residential



9025GT07D01-R
CUSTOM double glass
RESIDENTIAL display
white



9025GT07D03-R
CUSTOM double glass
RESIDENTIAL display
black

Custom Version - Hotel

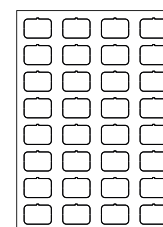


9025GT07D01-H
CUSTOM double glass
HOTEL display
white

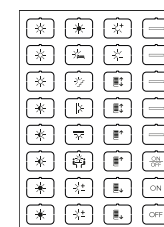


9025GT07D03-H
CUSTOM double glass
HOTEL display
black

Custom Version - Icons Sheet Sets



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



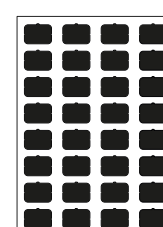
9025ISB-1
icon sheet
SET B | White
32 icons



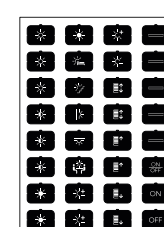
9025ISC-1
icon sheet
SET C | White - 32
icons



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



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



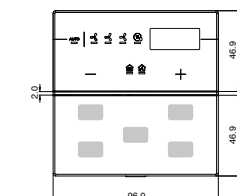
9025ISB-3
icon sheet
SET B | Black
32 icons



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



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



Order Codes

Custom Version Covers

- 9025GT07D01-R**
CUSTOM double glass RESIDENTIAL
White
- 9025GT07D03-R**
CUSTOM double glass RESIDENTIAL
Black
- 9025GT07D01-H**
CUSTOM double glass HOTEL
White
- 9025GT07D03-H**
CUSTOM double glass HOTEL
Black

Icons Sheet Set

- 9025ISA-1**
Icon sheet SET A - 32 icons - White
- 9025ISB-1**
Icon sheet SET B - 32 icons - White
- 9025ISC-1**
Icon sheet SET C - 32 icons - White
- 9025ISD-1**
Icon sheet SET D - 32 icons - White
- 9025ISA-3**
Icon sheet SET A - 32 icons - Black
- 9025ISB-3**
Icon sheet SET B - 32 icons - Black
- 9025ISC-3**
Icon sheet SET C - 32 icons - Black
- 9025ISD-3**
Icon sheet SET D - 32 icons - Black

302.5

Warmth, in your place

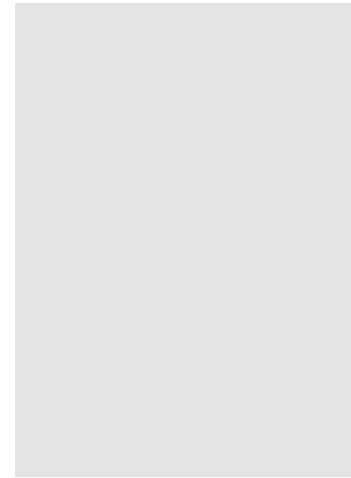


55x55, 4 Controls, 5 Materials,
Thermostat





3025: lifestyle concentrated in 55x55 mm.
Materials, functionalities, finishing are essential values for your environment project.



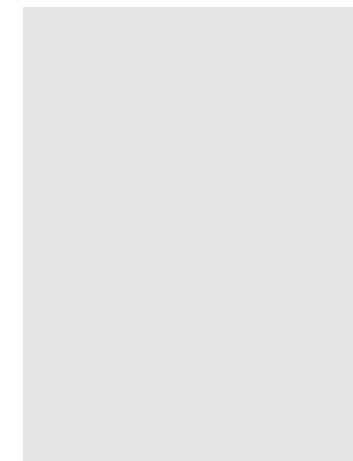
Clear signalling
Easy displays of status (comfort, economy...), levels (dimming, temperature...), scenarios through settable LED bar with color and intensity variation.

Customization
Through icons, material, essences.

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



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

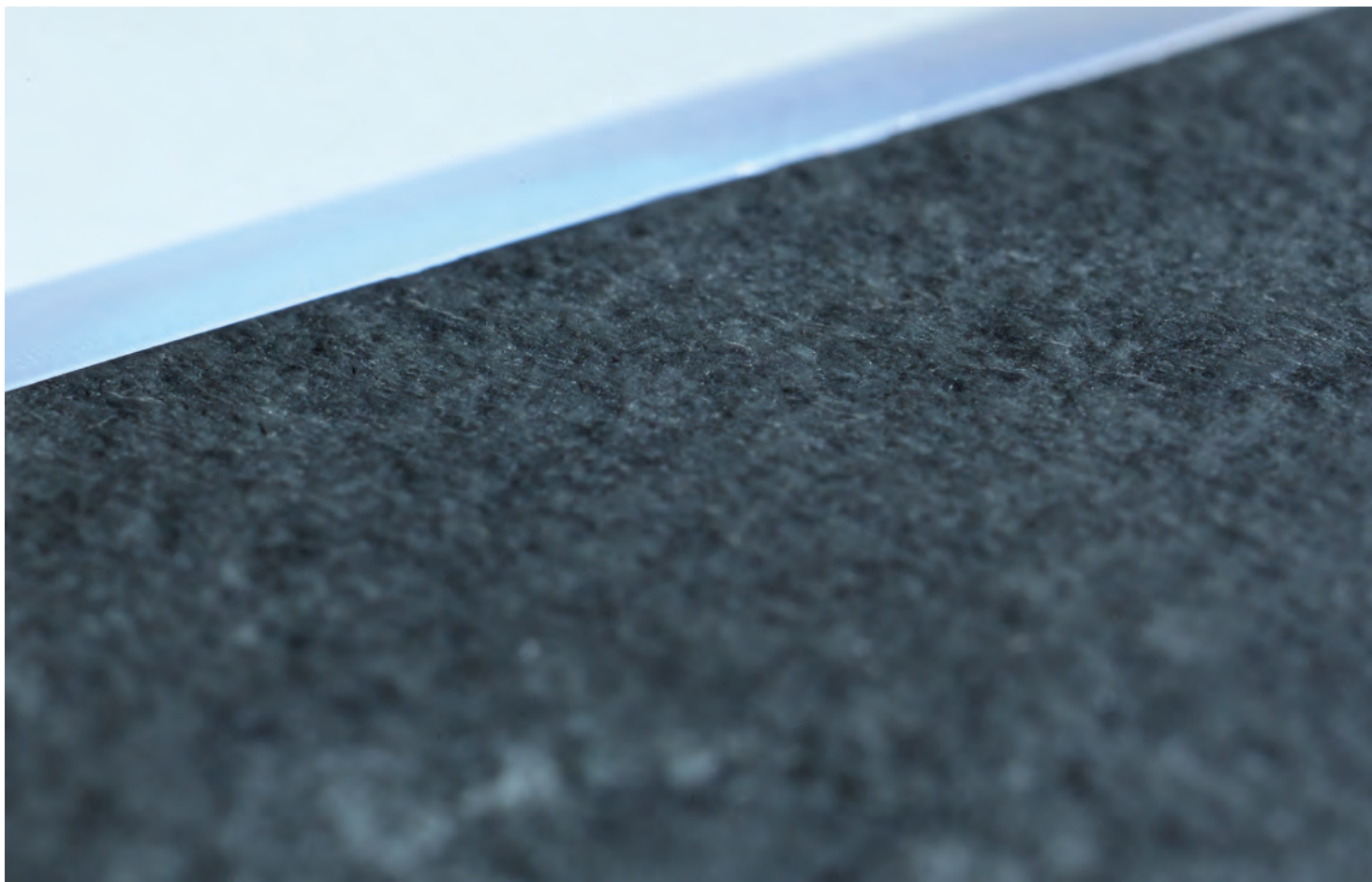


Hidden functions
To be activated with a long pressure lenght.

Programmed setting
Scenarios, and power socket control.

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

Lighting control
Dimming, lighting sequences, management of scenarios.



Thermostat logic

Heating and cooling management.

4 Channels KNX Switch

with direct bus connection.



LED RGB Bar

To display status and levels through full or dimmed colors.
Useful to display:

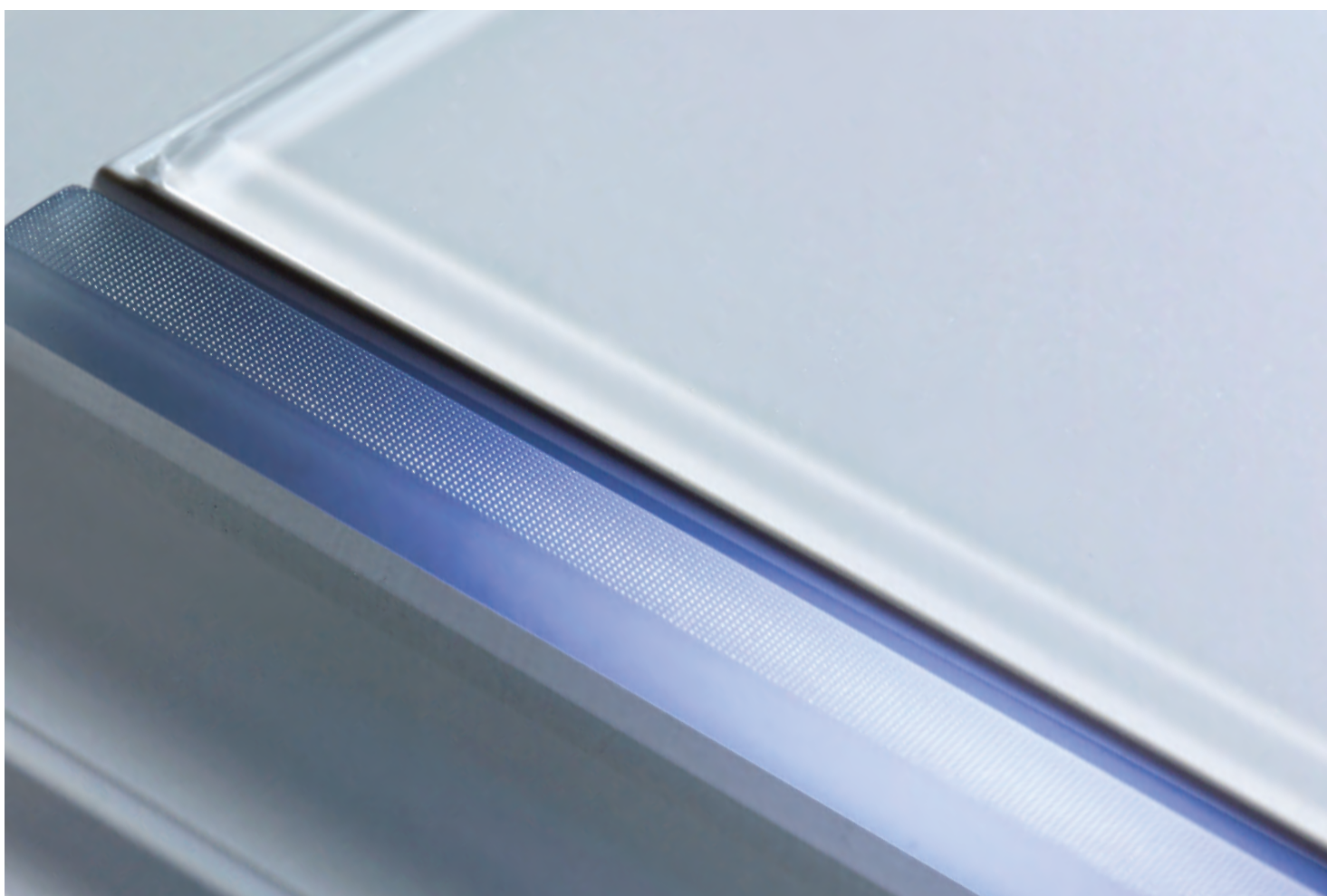
- Alarms
- Status
- Feedback

Installation

Suitable in 2 module boxes and fits in 55mm systems

Customization

Through icons on different materials





55x55 KNX Switch

4 Channels + Thermostat

SB40AxxKNX is a KNX tactile 4 channels push button which can be configured to manage on/off commands, dimming, shutters and venetians control, scene recall and control, sequences of 3 objects, etc.. Device includes a 2 stage Room Temperature Controller with integrated PI to control heating and cooling equipments, valves, 2 and 4 pipes fan coils, etc.. Device has a rear connector (2 poles) configurable as digital or analog input. It's possible to connect a NTC temperature probe (eelectron codes TS01A01ACC or TS01B01ACC - not included) to have a direct temperature measurement. SB40AxxKNX has a RGB led bar on the front side in order to visualize feedbacks or other values available over the KNX bus. SB40AxxKNX is intended to be used in british box, german box or italian 2 modules box. Device is equipped with KNX communication interface.

Technical Features

Dimension

- (H x W x D) : 55 x 55 x 37 mm
- Weight 50g

Supply

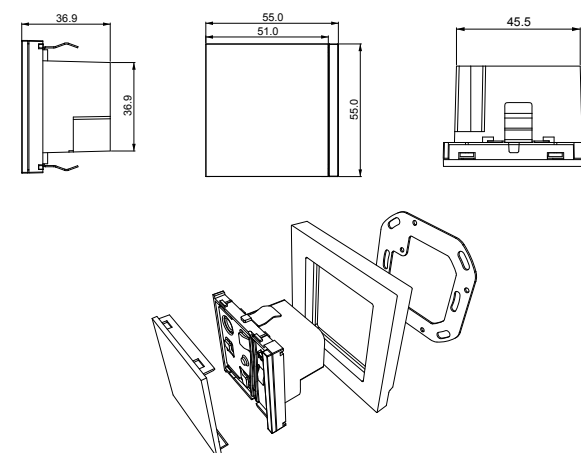
- From KNX bus 21..32V DC
- Current Consumption EIB/KNX <10mA

Mounting

- British box, german box or italian 2 modules box

Connection

- Rear input in digital mode / analog input for temperature probe



Order Codes

SB40A01KNX-PLCR

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

SB40A11KNX-PLBL

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

SB40A21KNX-PLWH

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

SB40A09KNX-PLCR

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

SB40A19KNX-PLBL

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

SB40A29KNX-PLWH

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

SB40A21KNX-GL10

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

SB40A11KNX-GL15

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

SB40A01KNX-MT60

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

SB40A24KNX-MT61

Knx switch 4 channels + Thermostat
55x55mm - Gold + Gold alluminium

SB40A11KNX-WD50

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

SB40A21KNX-WD50

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

SB40A11KNX-ST40

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

(order codes are referred only to switches without frames)



Touch Panel 3,5"

The 3025 Touch Panel: powerful control in a distinctive shape. With a coloured display, dimming, status, values, lighting, shutters and timers are controlled and password protected when needed. Using the embedded temperature sensor, chrono or fancoil controlling functions are managed. DMX coloured Led or lights are controlled with the optional DMX interface, and load control with automatic cut off of prioritised functions is performed with the available power meter. Based on Linux® OS but Ets programmed, the 3.5" Touch Panel has Led indicator for status display and an audio signal for alarm functions and is available in three colours.

Technical Features

Dimension:

· Weight 300g : (H x W x D) : 113 x 113 x 48mm

Mounting:

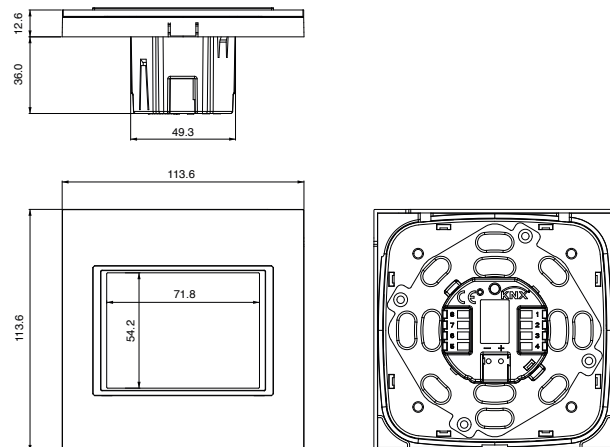
· Inwall box : 2 or 3 modules italian, german box, swiss box

Connections and terminals:

· Wago red/grey to connect to EIB/KNX bus
· Wago white/yellow to connect to aux supply

Power Supply:

· Auxiliary supply: 9 ... 32V DC
· Current Consumption: 55mA @24V DC
· From KNX bus 21.31V DC SELV
· Current consumption from KNX <5mA



Order Codes

VS00G10KNX
Touch Panel KNX 3,5 SQUARE
White Glass

VS00G11KNX
Touch Panel KNX 3,5 SQUARE
Ice White Glass

VS00G30KNX
Touch Panel KNX 3,5 SQUARE
Black Glass

VS00P10KNX
Touch Panel KNX 3,5 SQUARE
Plexi Glass

VS00P20KNX
Touch Panel KNX 3,5 SQUARE
Plexi Chromo

VS00P15KNX
Touch Panel KNX 3,5 SQUARE
Plexi Black

VS00W50KNX
Touch panel 3,5" SQUARE
Oak White

VS00W51KNX
Touch panel 3,5" SQUARE
Oak Black

VS00W60KNX
Touch Panel 3,5" SQUARE
Metal

VS00M61KNX
Touch Panel 3,5" SQUARE
Gold

VS00S40KNX
Touch Panel 3,5" SQUARE
Stone

Plastic



Plastic + Linemark



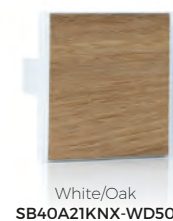
Glass



Metal



Wood



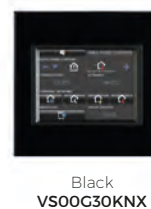
Stone



Plexiglass



Glass



Metal



Wood



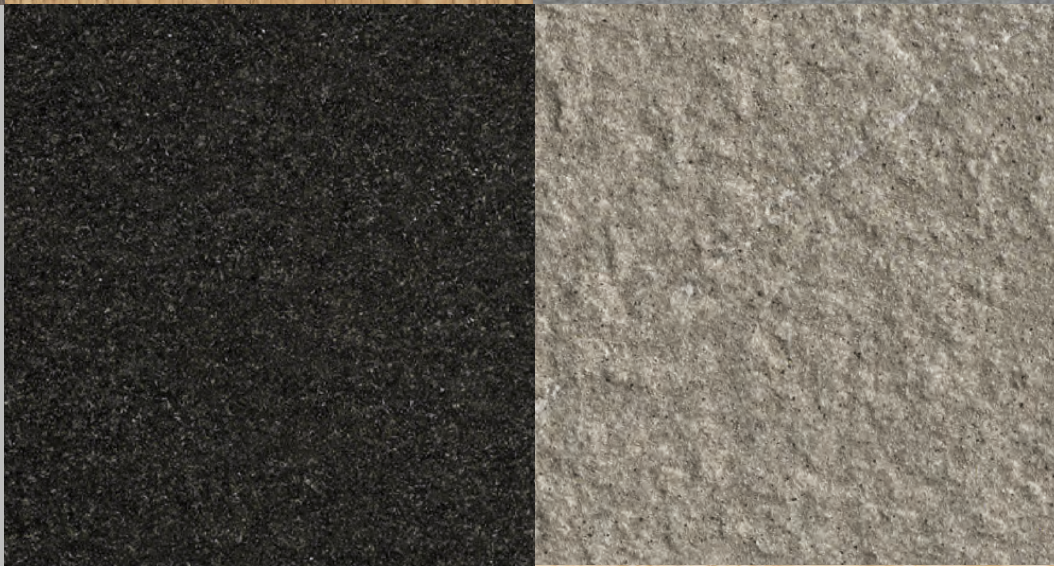
Stone



3025



CUSTOM
SHOP



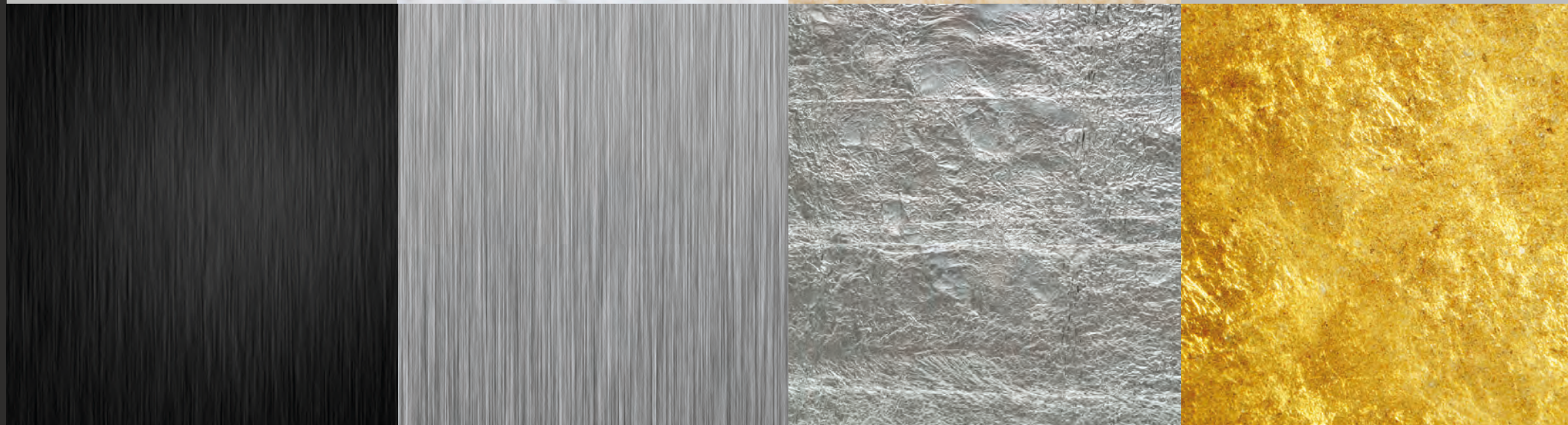
We have selected building methods, processes, supply chain management with the unique goal of offering to our clients **total flexibility while choosing for 3025 finishing.**

Standard code products, the most requested ones, come along with **infinite options** sharing the same quality level and production process.

Stones, real woods, nuances, essences, materials, customization possibilities on the product and on its icons, are merging into a new structure, at your disposal.

Ask to our **specialists** to be followed in the **selection, sampling and delivery process.**

Enquire at custom@electron.com



**BUILDING
& HOME
EVOLUTION**
Let us follow your ambitions...

eelecta®

You, in an homy and environmental world



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



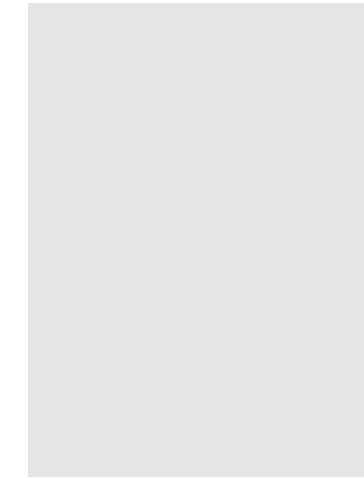
HOMEPAD-MINIPAD



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



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



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



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 launched 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.**

HOMEPAD-MINIPAD

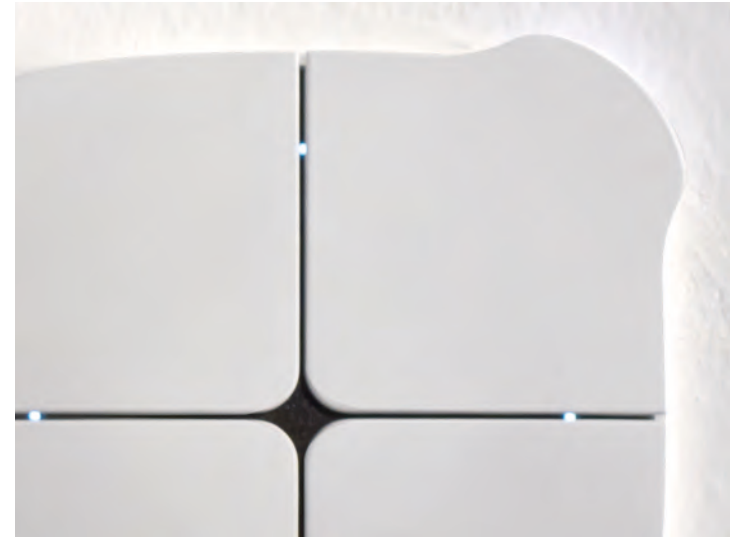
How it works

Every pad drives one or two functions

Functions are reachable through pressure on pads corners

With a long pressure, another function is activated

4 frontal leds freely configurable



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



Wave Cover



HomePad



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

MiniPad



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

HOMEPAD-MINIPAD



HomePad & MiniPad

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**
 Not present for the version conventional (PB40A)
 • Through the wire EIB / KNX
 • Voltage 21...32V DC
 • Current consumption EIB / KNX <10mA

- Input Features**
 • Number of channels: 4 or 8
 4 for dry contacts (PB40C/MB40C)
 • Maximum cable length: 10 m = twisted (PB40C/MB40C)

- Output Features**
 • 5 white LEDs

Order codes

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

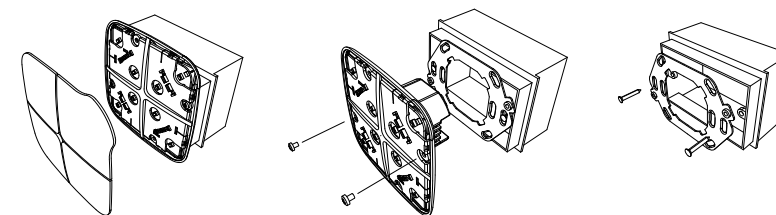
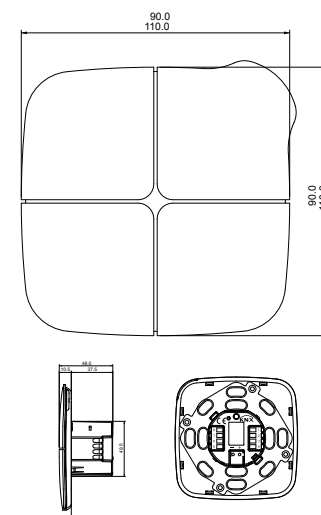
- MB40BxxKNX**
4 channels KNX
- MB40CxxKNX**
4 channels KNX + 4 inputs + Temperature sensor
- MB80AxxKNX**
8 channels KNX + Temperature sensor
- MB80CxxKNX -**
8 channels KNX + Temperature sensor + circular functions

HomePad

| Codes | Description |
|------------|--|
| PB40AxxCON | • HomePad 4 CH. |
| PB40BxxKNX | • HomePad KNX 4 CH. |
| PB40CxxKNX | • HomePad KNX 4 CH. 4 IN - TS* |
| PB80AxxKNX | • HomePad KNX 8 CH. - TS* |
| PB80CxxKNX | • HomePad KNX 8 CH. - TS* - Circular functions |

MiniPad

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



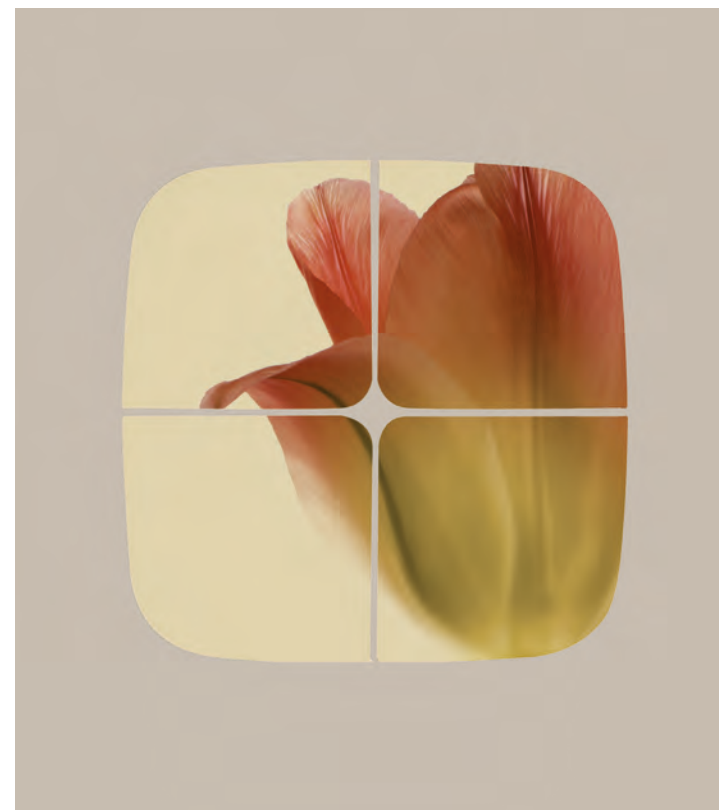
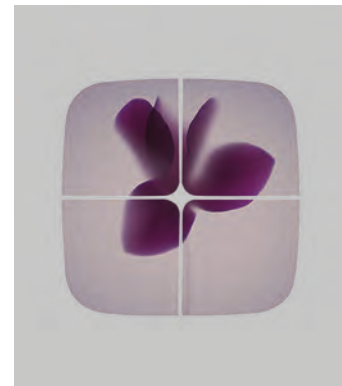
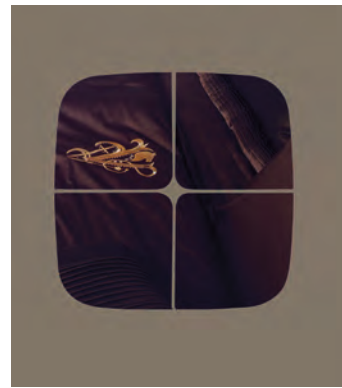
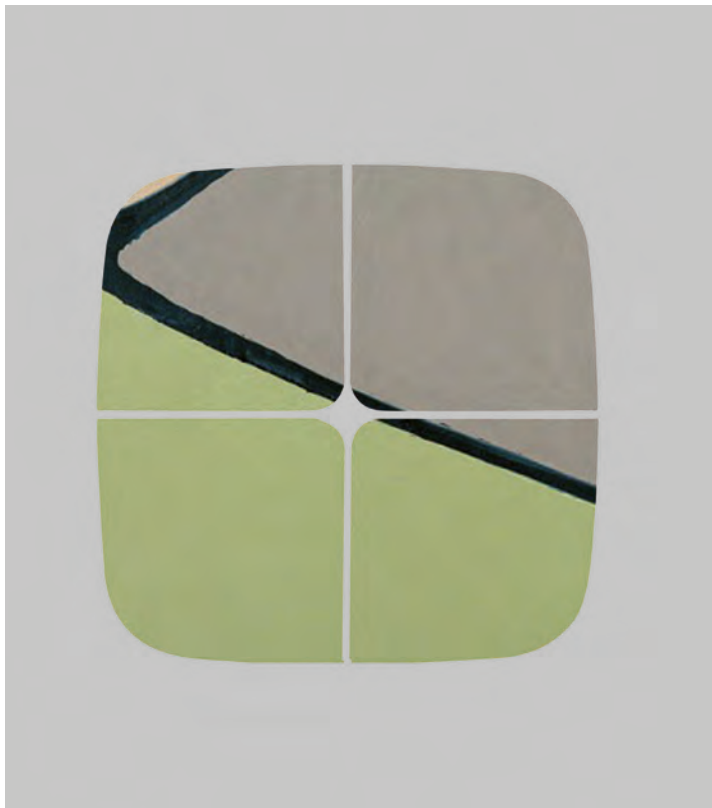
CUSTOMIZATION

CUSTOMIZED
ICONS

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



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.

TOUCHPANEL 3,5"



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

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



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.



TOUCHPANEL 3,5"



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



Touch Panel 3,5"

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

Order Codes

VS00E10KNX
Touch Panel KNX 3,5 + Thermostat
Ceramic White

VS00E20KNX
Touch Panel KNX 3,5 + Thermostat
Chromo

VS00E30KNX
Touch Panel KNX 3,5 + Thermostat
Black Matte



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

Technical Features

Dimension:

- Weight 250g : (H x W x D) : 112 x 110 x 48mm

Mounting:

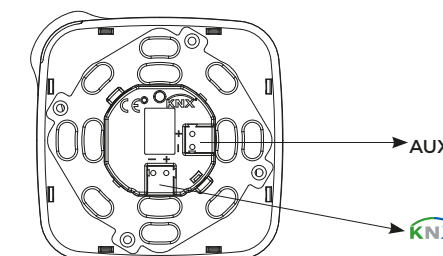
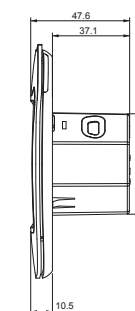
- Inwall box : 2 or 3 modules italian, german box, swiss box

Connections and terminals:

- Wago red/grey to connect to EIB/KNX bus
- Wago white/yellow to connect to aux supply

Power Supply:

- Auxiliary supply: 9 ... 32V DC
- Current Consumption: 55mA @24V DC
- From KNX bus : 21.31V DC SELV
- Current consumption from KNX <5mA



TOUCHPANEL 3,5"



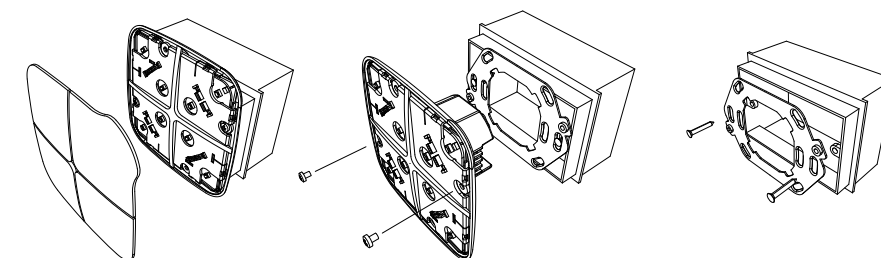
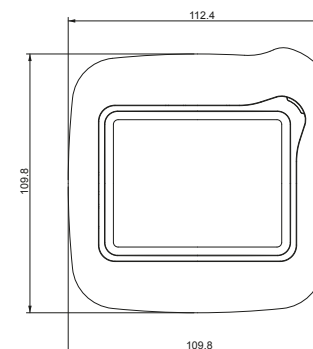
Ceramic white
VS00E10KNX



Black matte
VS00E30KNX



Chromo
VS00E20KNX



Frames
Sockets

Socket Plate 2 Module



White
SK01A01ACC



Chromo
SK02A01ACC



Black Matte
SK03A01ACC

Swiss Socket Plate 2 Module



White
SK04A01ACC



Chromo
SK04A02ACC



Black Matte
SK04A03ACC

Double Socket Plate 2 Module



White
SK05A01ACC

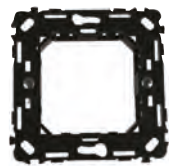


Chromo
SK05A02ACC



Black Matte
SK05A03ACC

Frame

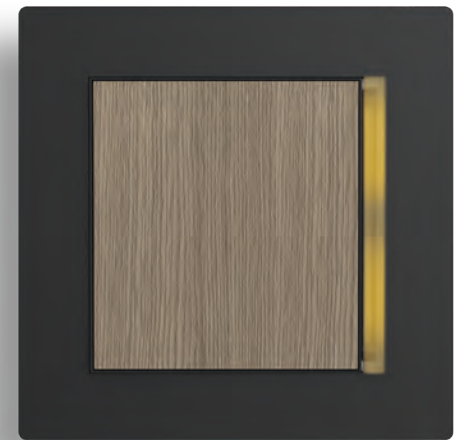


Black
SK01A00ACC
2 module 60mm. frame



The Z-Wave protocol is an interoperable, wireless, RF-based communications technology designed specifically for control, monitoring and status reading applications in residential and light commercial environments. Mature, proven and broadly deployed (with over 70 million products sold worldwide), Z-Wave is by far the world market leader in wireless control, bringing affordable, reliable and easy-to-use 'smart' products to many millions of people in every aspect of daily life.

3025
Z-WAVE® Version



eelecta
Z-WAVE® Version

GlassPad

Capacitive Switches & Touch Panel with glass frames



Capacitive KNX Switch
3,5 KNX Touch Panel - Glass frame
MiniSwitch 1 - 2 - 4 channels - glass frames



CAPACITIVE SWITCH



Features

The GlassPad is available in 4 models, all in KNX, including:

- 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

Each product features amber led signaling for channel. A blue led light surrounds and the GlassPad as back light.



Simplicity

A very quick, simple and efficient installation is a key feature of GlassPad. The range can be installed in to 3 or 4 modules inwall boxes.

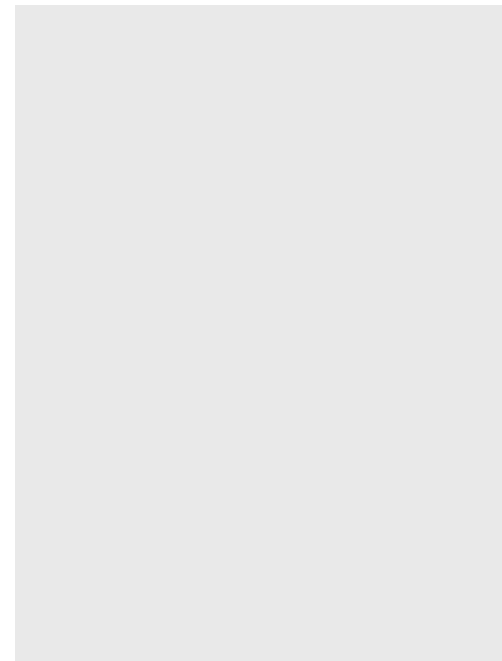


Quality

In order to ensure a long lasting product and maximum customer satisfaction. Eelectron 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

CAPACITIVESWITCH



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 is fully programmable with ETS.

Order codes

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

Plates



Glass Plate 3 Modules
Black



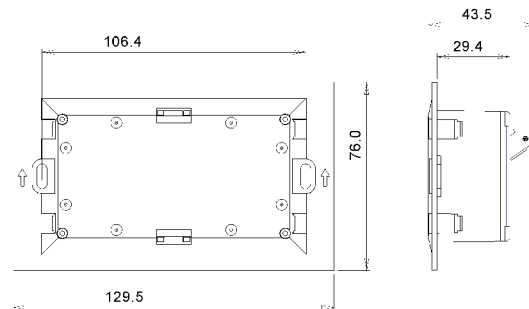
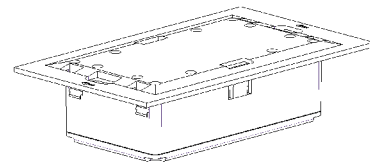
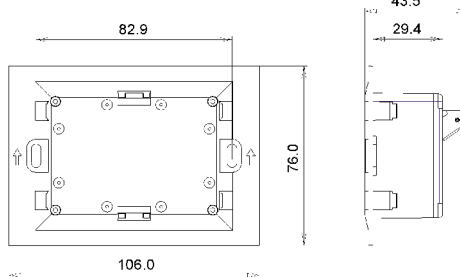
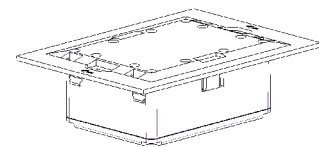
Glass Plate 3 Modules
White



Glass Plate 4 Modules
Black



Glass Plate 4 Modules
White



Technical features

Dimensions

· (H. x W.)140 x 96 mm or 120 x 96 mm

Mounting

· Inwall mounting on 4 modules box

Connections

· EIB/KNX bus connecting terminal 2 of 0.8 mmo

Supply

· Through the wire EIB/KNX

· Tension 21 ..32V DC

· Current Consumption <10mA

Input Features

· Inputs: 3,4,6,8

Output Features

· Number: 3,4,6,8 white led



Touch Panel 3,5"

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

Technical Features

Dimension:

- (H x W x D) : 113 x 113 x 48mm
- Weight 300g

Mounting:

- Inwall box : 2 or 3 modules italian, german box, swiss box

Connections and terminals:

- Wago red/grey to connect to EIB/KNX bus
- Wago white/yellow to connect to aux supply

Power Supply:

- Auxiliary supply: 9 ... 32V DC
- Current Consumption: 55mA @24V DC
- From KNX bus 21..32V DC SELV
- Current consumption from KNX <5mA

Order Codes

VS00G10KNX

Touch Panel KNX 3,5 SQUARE
Glass White

VS00G11KNX

Touch Panel KNX 3,5 SQUARE
Glass Ice White

VS00G30KNX

Touch Panel KNX 3,5 SQUARE
Glass Black

VS00P10KNX

Touch Panel KNX 3,5 SQUARE
Plexi White

VS00P20KNX

Touch Panel KNX 3,5 SQUARE
Plexi Chromo

VS00P15KNX

Touch Panel KNX 3,5 SQUARE
Plexi Black



Plexiglass

Glass



White
VS00P10KNX



Chromo
VS00P20KNX



Black
VS00P30KNX



White
VS00G10KNX



Ice White
VS00G11KNX



Black
VS00G30KNX



Temperature and fan coil speed status display

ETS settable control elements for temperature management

3 module box



Thermostat

KNX Capacitive room temperature controller

The Inwall Glass Thermostat GT00A03KNX 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 Glass on the front side displays the following information:

- Actual temperature in °C
- Actual setpoint
- Fan coil speeds
- HVAC mode status
- Heating and cooling status
- Status of controlled heating / cooling equipments

Control elements on the front are:

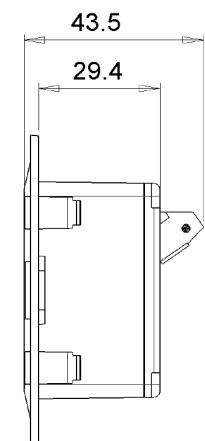
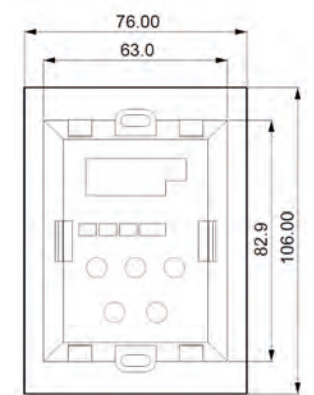
- A capacitive button to increase the temperature setpoint
- A capacitive button to decrease the temperature setpoint
- 1 capacitive button to set the HVAC mode
- 1 capacitive button to set heating or cooling mode

Order Codes

GT00A03KNX
KNX Capacitive Thermostat

GT00B03ACC-1
Glass Thermostat White

GT00B03ACC-3
Glass Thermostat Black



Glasses



White
GT00B03ACC-1



Black
GT00B03ACC-3

Technical features

Dimensions

- (W x H x D): 76 x 106 x 43,5 mm

Mounting

- Inwall mounting is intended in rectangular (Italian) 3 module box mounted in vertical.

Connections

- EIB/KNX bus connecting terminal 2 of 0,8 mm

Supply

- Via bus EIB/KNX cable 21 .32 V DC
- Current Consumption EIB/KNX < 10 mA
- Auxiliary power supply 24 V DC
- Current Consumption on Aux PS: 35 mA



KNX MINISWITCH
 Suitable for **eelecta** frames

MINISWITCH



MiniSwitch KNX
 1 - 2 - 4 Channels

Miniswitch KNX is suitable with Eelecta and GlassPad 's frame. The range is composed by 3 models that include 1,2 or 4 channels switches with a dimension of 45x45 mm (frame not included). Product has 1, 2 or 4 frontal led two coloured signalling (one for each channel) that can be programmed through ETS. The switches are available in 2 different colours (white or anthracite) and the plates in 3 colours (white, silver e black).

Technical features

Dimensions:

- (H. x W.) 45 x 45 mm (without frames)

Supply

- From KNX bus 21.32 V DC
- Current Consumption <10mA

Input Features

- 1-2-4

Output Features

- 1-2-4 white led

Order codes

WB10A30KNX
 MiniSwitch 1 ch. KNX - Anthracite

WB10A10KNX
 MiniSwitch 1 ch. KNX - White

WB20A30KNX
 MiniSwitch 2 ch. KNX - Anthracite

WB20A10KNX
 MiniSwitch 2 ch. KNX - White

WB40A30KNX
 MiniSwitch 4 ch. KNX - Anthracite

WB40A10KNX
 MiniSwitch 4 ch. KNX - White

Order codes are referred only to switches without frames.



MINISWITCH with glass frame

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



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

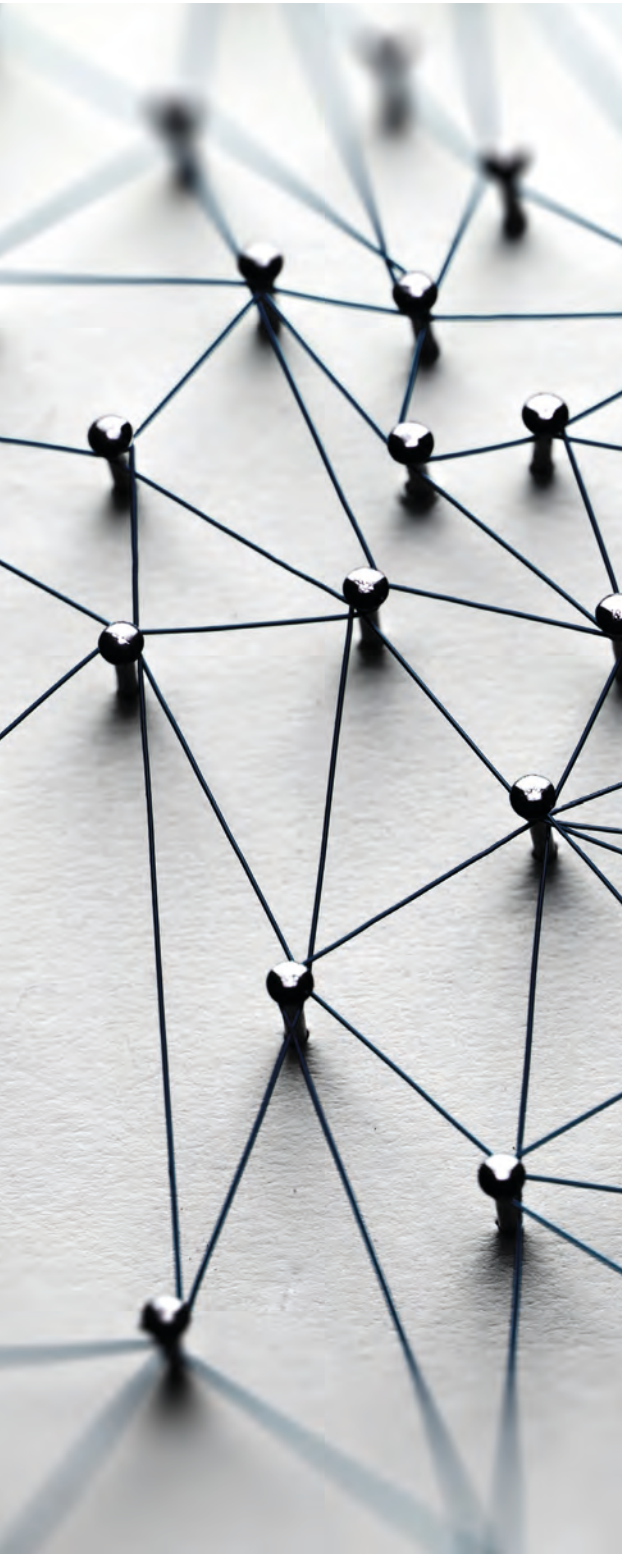


KNX MINISWITCH
 Suitable for **GlassPad** frames

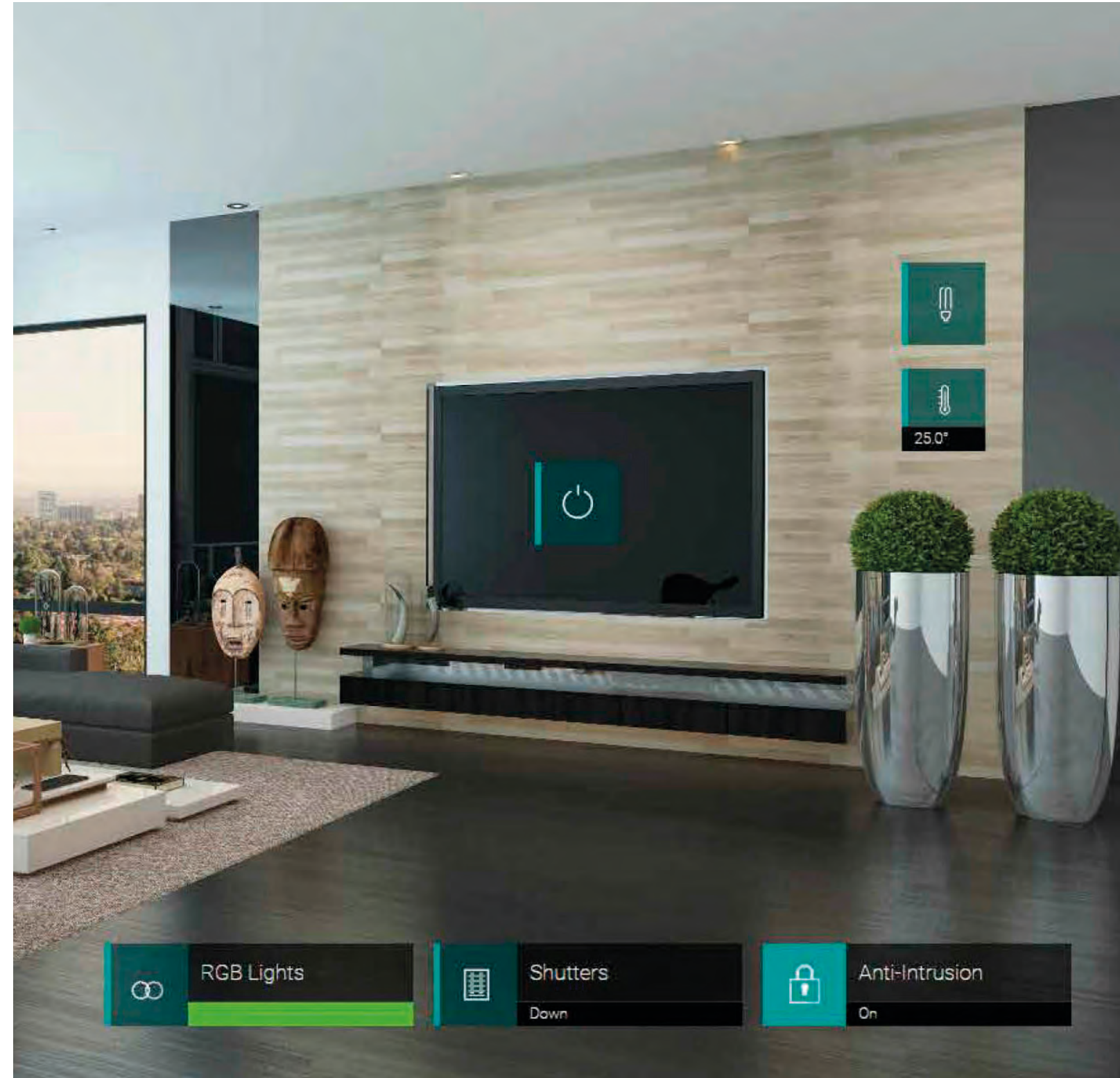


HORIZONE

Supervision Environment for intelligent buildings



Web Server based



Smartphone
Compatible with all iOS/Android devices



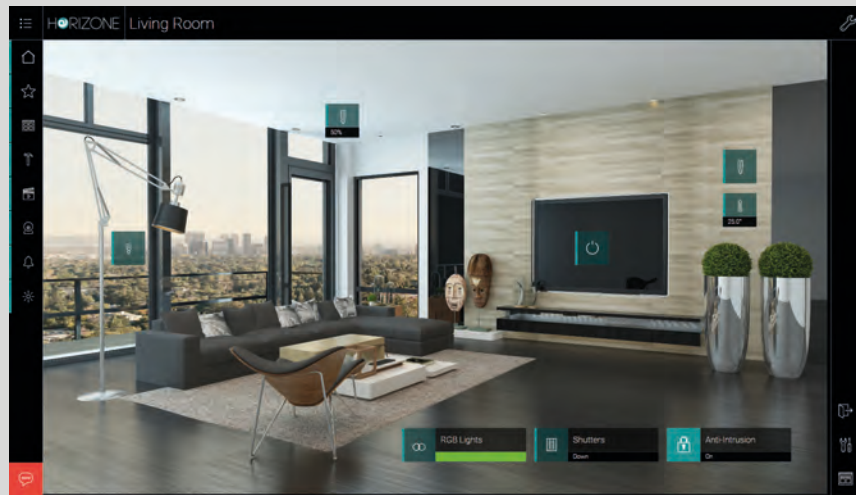
PC/Laptop
Compatible with MacOS/Windows OS



Tablet
Compatible with all iOS/Android devices

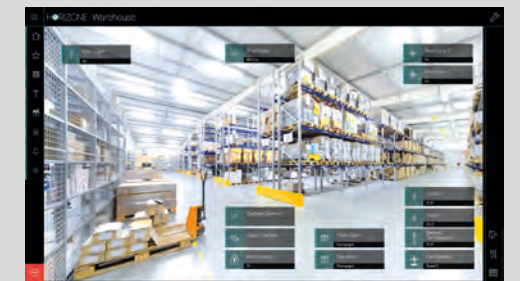
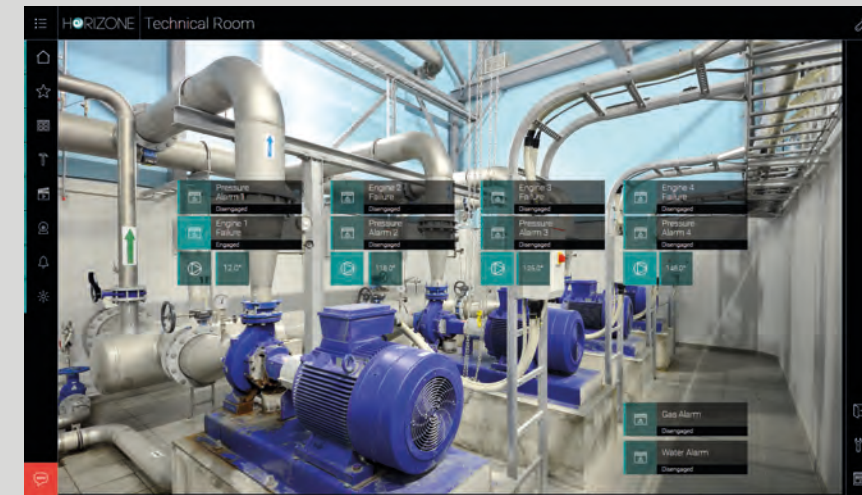
Residential

HORIZONE is the ideal solution to manage every technological sub-systems for home evolution: lighting, blinds shadows, temperature, loads control, power consumptions, door intercoms, irrigation, security cameras, alarm, music/video. HORIZONE has been designed to deliver full control over an installation with one only tool. Easy access from Pc/Mac or mobile devices, from your house or remotely. Built over a reliable and powerful software architecture, HORIZONE allows users with varied possibilities to create scenarios, logic, and advanced controls with simplicity.



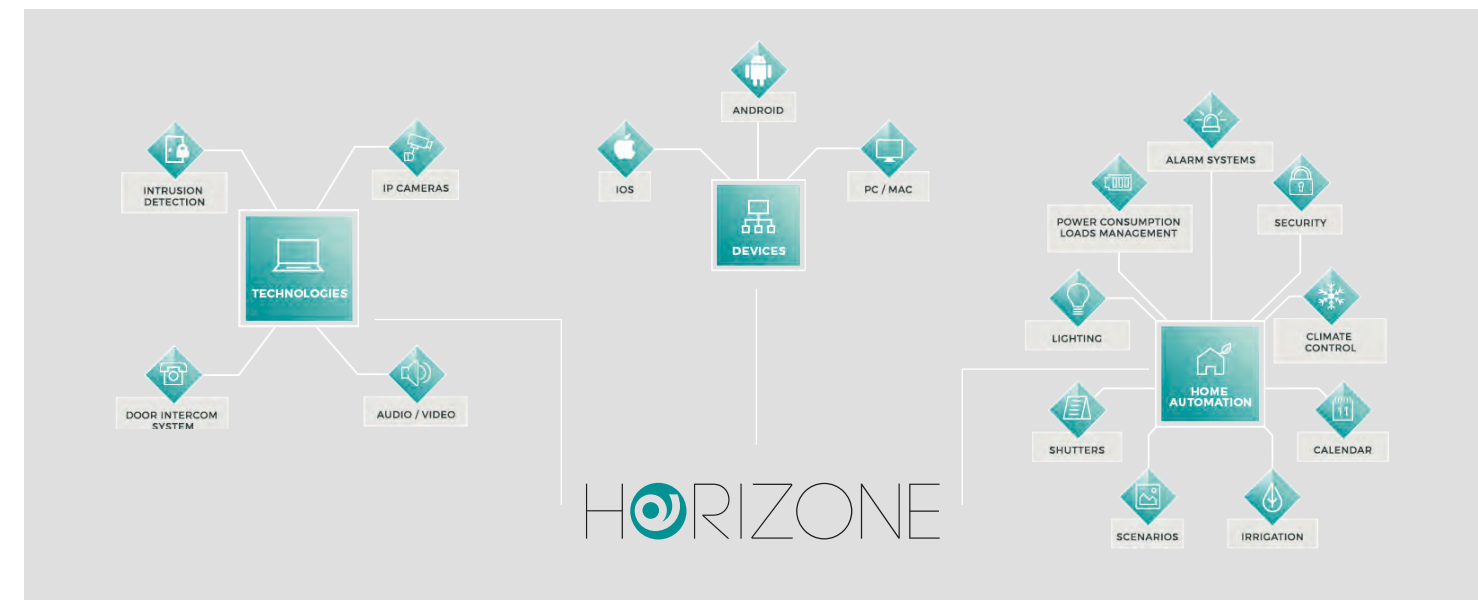
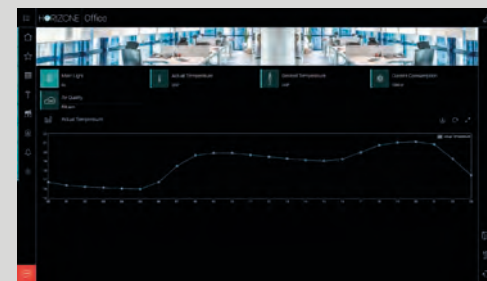
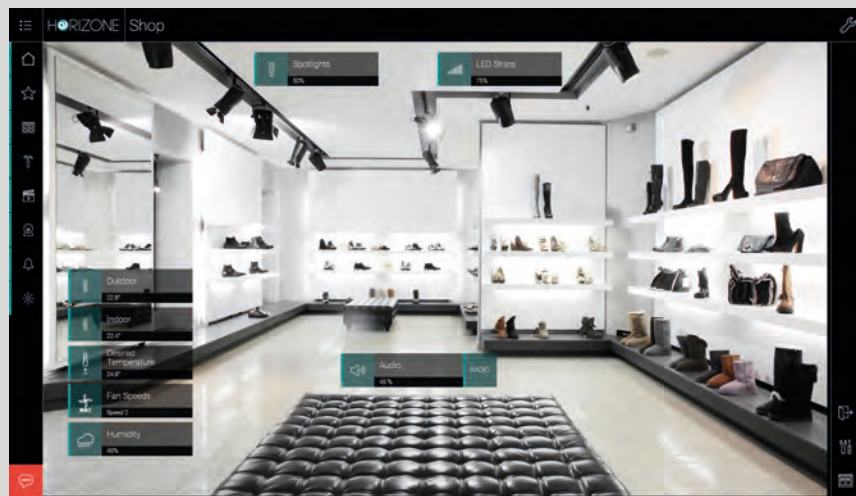
Industrial Workplace Automation

HORIZONE delivers high end automation to production sites, and industrial buildings. The robust hardware and product construction quality are matching with product reliability, stability and immunity to disturbs and interferences. HORIZONE offers compatibility to Modbus protocol, without using external interfaces. It is now possible to integrate signals coming from other layers, and to manage meters, control units, sensors, PLC, SCADAS that are working in the environment over different subsystems - to be integrated in graphical pages displaying values and status, as to integrate HVAC advanced controls.



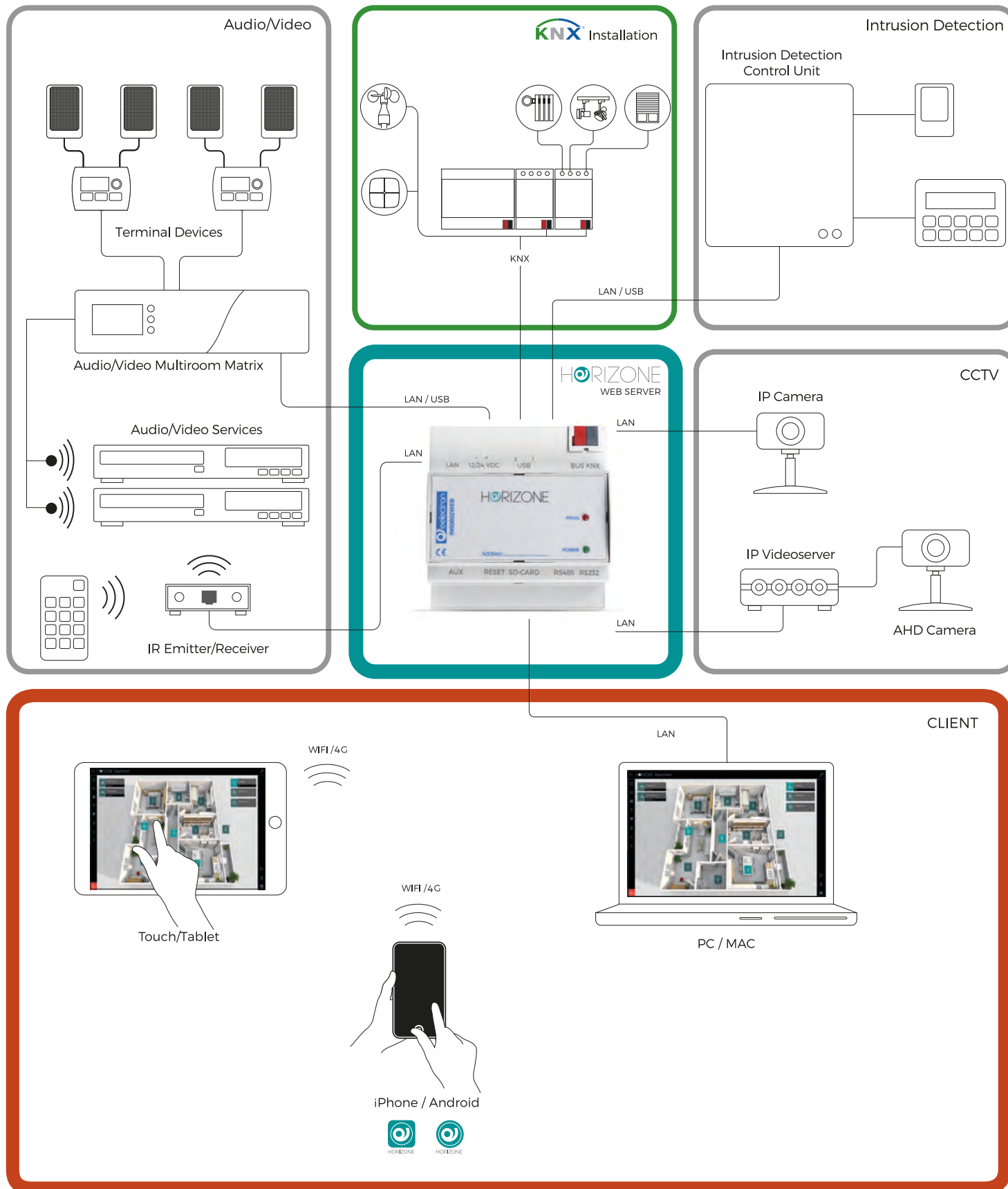
Building Automation

HORIZONE, available in different sizes, is the perfect solution either for small environments, like professional studios, shops, showrooms, and for extended applications in commercial malls, office buildings, sport complexes, hospitals. Dedicated centralised management functions are also available for multi-facility corporations, as for shops or delocalised manufacturing sites. The solution is scalable, from small to more complex installations, also in steps and with no changes to the process and architecture. Moreover, the system is not requiring any working PC in the installation.



- Direct KNX and Modbus standard communication
- Local or remote configuration and control from Pc/Mac, smartphone or tablet, through web browser (Safari, Google Chrome etc.) or with an Apple or Android free app
- Fast configuration: ETS project direct import function (KNX installation)

- DIN rail (5 modules) electrical board installation
- Including HORIZONE PDK: an offline tool to develop and configure supervision projects without server internet connection
- Customizable graphics
- Multi-user environment to create different user profiles, password protected



Horizone Web Server

SIZES

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

** On demand Horizone Upgrade over 1400 KNX group addresses

HARDWARE FEATURES

| | |
|-----------------------|---|
| Supply | 12 ... 24VDC |
| Power consumption | 180mA @12V : 110mA @24V |
| Communication Ports | KNX Standard bus connector red/black |
| | RS232 (1x) Screw connector |
| | RS485 (1x) Screw connector |
| | USB 2.0 (2x) |
| | LAN (1x) RJ-45 jack (10/100 Mbps) |
| Reset | Push button on the bottom of the case |
| LED | Red (1x) Reset in progress/allarms |
| | Green (1x) Power ON |
| Protection | IP20 (according to EN 60529) |
| Isolation class | II (according to EN 60335-1) |
| Operative temperature | 0°C ... +50°C |
| Dimensions | 88x90x62 mm : 5 DIN modules |
| Case materials | Thermoplastic self-extinguishing material |

ADDITIONAL SOFTWARE MODULES

| ORDER CODES | DESCRIPTION |
|-------------------|-------------------------------------|
| IN00B02MBS | MODBUS Module for HORIZONE WS |
| IN00B02BEN | BENTEL Module for HORIZONE WS |
| IN00B02IES | ELMO/IESS Module for HORIZONE WS |
| IN00B02TEC | TECNOALARM Module for HORIZONE WS |
| IN00B02TUT | TUTONDO Module for HORIZONE WS |
| IN00B02VIV | VIVALDI Module for HORIZONE WS |
| IN00B02SON | SONOS Module for HORIZONE WS |

Order codes

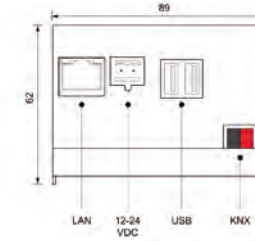
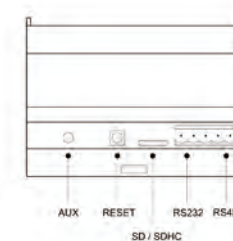
IN00B02WEB
Web Server Horizone
200 points

IN00B03UPG
Upgrade up to
800 points

IN00B04UPG
Upgrade up to
1400 points

SOFTWARE FEATURES

| | |
|--------------------------------|---|
| Standard technologies | KNX RS-232 / RS-485 / TCP |
| Software licenses | MODBUS Bentel Elmo/IESS Tecnoalarm Tutondo Vivaldi Sonos |
| User interface | Web / HTML5 App iOS / Android |
| Number of clients | Unlimited |
| Simultaneous connections | Up to 20 |
| Features | Lighting Heating / cooling Blinds / shutters Irrigation HVAC Alarms Power consumption Loads management Weather IP Camera Door intercom system (with SIP standard) Security system Audio / video |
| Web compatibility | Apple Safari Google Chrome Mozilla Firefox Microsoft Edge Opera |
| Operating System compatibility | Apple Mac OSX Microsoft Windows Linux Apple iOS Google Android |
| Navigation | Customizable pages Navigation by building-topology Navigation by functions |
| Advanced functions | Scenarios with parametrical wait functions Boolean logics Thresholds and value comparators Mathematical operations Unlimited users |
| Users and security | Unlimited users SSL internet secure access |



Docking Station

Ultimate on wall alluminium solutions



Order Codes

* Lightning/USB cable included



Docking Station for iPad Air 2/New iPad Pro 9.7\"/>



Docking Station for iPad Air 2/New iPad Pro 9.7\"/>



Docking Station for iPad Air 2/New iPad Pro 9.7\"/>



Docking Station for iPad Mini 2/iPad Mini 4"/>



Docking Station for iPad Mini 2/iPad Mini 4"/>



Docking Station for iPad Mini 2/iPad Mini 4"/>

DOCKING STATION

iPad Air 2 / iPad Pro 9.7\"/>

Docking Station can hold and charge your iPad. Without any visible cables you can power your Docking Station by an inwall power supply.

Synchronicity

Synchronise events - Synchronise colours



HotelManagement

More than 28.000 rooms installed worldwide.



Design: Marco Fossati

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).

GRMS

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

Plexiglass Range



Transponder reader Silver **TR22A09KNX**



Transponder holder Silver **TH22A09KNX**



Transponder reader Black **TR22A19KNX**



Transponder holder Black **TH22A19KNX**



Transponder reader White **TR22A29KNX**



Transponder holder White **TH22A29KNX**



Thermostat HVAC Silver **TM11C09KNX**



Thermostat HVAC Hotel Silver **TM10D09KNX**



Thermostat HVAC Black **TM11C19KNX**



Thermostat HVAC Hotel Black **TM10D19KNX**



Thermostat HVAC White **TM11C29KNX**



Thermostat HVAC Hotel White **TM10D29KNX**

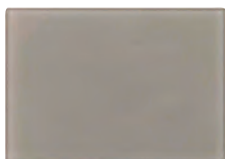
Glass Range



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

GRMS



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.

Technical features

Dimensions

· (H. x W. x D.) 78 x 110 x 39,8 mm

Mounting

· Inwall mounting on squared or round boxes

Connections

· Input screw clamp, conductor section max. 1,5 mm²

· Output relay screw clamp, conductor section max. 1,5 mm²

Supply

· From KNX bus 21 ..32V 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. 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.

Technical features

Dimensions

· (H. x W. x D.) 78 x 110 x 39,8 mm

Mounting

· Inwall mounting on squared or round boxes

Connections

· Input 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

Order codes

TM10D01KNX

Thermostat Hotel HVAC 1 IN - Light Gray

TM10D11KNX

Thermostat Hotel HVAC 1 IN - Black

TM10D21KNX

Thermostat Hotel HVAC 1 IN - White

Codes referred without glass or plexi frame.



Transponder Reader

2 IN / 2 OUT - BASE

The Transponder Reader TR22AxxKNX is an EIB/KNX wall mounting device suitable to access control applications. This device can be used in any kind of building (Hotel, Hospital, Offices, Parking, etc..) where the access control application is required. The device is equipped with two binary inputs (dry contacts) that can be used, for instance, to control the door status or other signals coming from external switches/contacts (i.e. windows, bathroom emergency alarms, etc..). The transponder reader is equipped also with two output relays which can be used for general purposes, typically to open the door or turning on the courtesy light inside the room. The product provides on the front side four LEDs in order to enlighten 4 icons to display the following states (e.g. in case of Hotel management):

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

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

Order codes

TR22A01KNX

Transponder reader 2 IN - 2 OUT Light gray

TR22A11KNX

Transponder reader 2 IN - 2 OUT Anthracite

TR22A21KNX

Transponder reader 2 IN - 2 OUT White

Codes referred without glass or plexi frame.

Technical features

Dimensions

· (H. x W. x D.) 78 x 110 x 37 mm

Mounting

· Inwall mounting on squared or round boxes

Connections

· 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 cable 10m

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 |

GRMS



Transponder Reader

2 IN / 2 OUT

With Bell

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

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

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

Order codes

TR32A09KNX

Transponder reader with bell 2 IN - 2 OUT - Silver

TR32A19KNX

Transponder reader with bell 2 IN - 2 OUT - Black

TR32A29KNX

Transponder reader with bell 2 IN - 2 OUT - White

Technical features

Dimensions

· (H. x W. X D.) 78 x 110 x 37 mm

Mounting

· Inwall mounting on squared or round boxes

Connections

· Input and output screw terminals, wire section max. 1.5 mm²

Supply

· KNX bus 21 ..30V DC SELV
· Additional 12-24V AC / DC ± 10%, 150mA max

Features

· 2 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 signalling
· 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. IP42 Protection class.

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

· 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 |
|------------|-------|---------|----------------|
| 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 |



Plexiglass Plate

for EXTERNAL TRANSPONDER READER 2 IN - 2 OUT

Plexiglass Plate for the code TR22A11KNX-EXT

Order codes

PX15A14ACC

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

PX10A24ACC

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

GRMS



Transponder Holder

2 IN / 2 OUT - BASE

The Transponder Holder TH22AxxKNX is an EIB/KNX wall mounting device suitable to access control applications. It can be used for detecting and monitoring the presence of guests or service staff in a room. The device is equipped with two binary inputs (dry contacts) that can be used, for instance, to control the door status or other signals coming from external switches/contacts (i.e. windows, bathroom emergency alarms, etc..) . On the front of the transponder holder there is a blue light LED that is useful to help the guest to insert card in the device. Removing the card, after a programmable time, all the room services are switched off to preserve energy.

Order codes

TH22A01KNX

Transponder Holder 2 IN - 2 OUT - Light Gray

TH22A11KNX

Transponder Holder 2 IN - 2 OUT - Anthracit

TH22A21KNX

Transponder Holder 2 IN - 2 OUT - White

Codes referred without glass or plexi frame.

Technical features

Dimensions

· (H x W x D) 78 x 110 x 37 mm

Mounting

· Inwall mounting on squared or round boxes Ø60mm

Connections

· 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 mounting in on a 3 modules special box, equipped with a USB interface that also provide the power supply. The device is provided with a driver to allow writing and reading functionality.

Order 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 codes

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 interfaced with BMS. Client remote management can be done via Internet or Ethernet. The package is available with Embedded PC including 2 clients.



Order codes

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

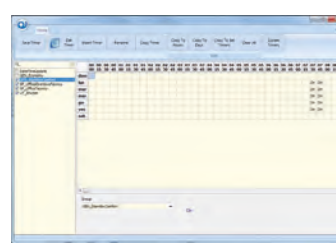
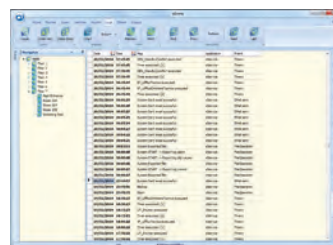
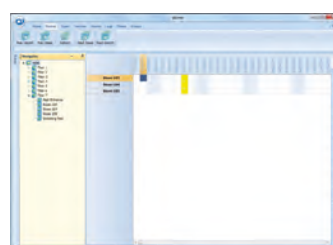
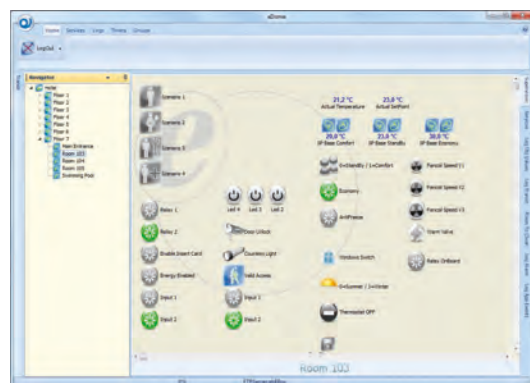
- Number of rooms / common area according to installed license.
- Client workstation according to installed license
- Profiling privileges unlimited
- Using KNX functions of timing events available

Generation KNX groups of objects available

- Automatically import object available from ETS KNX

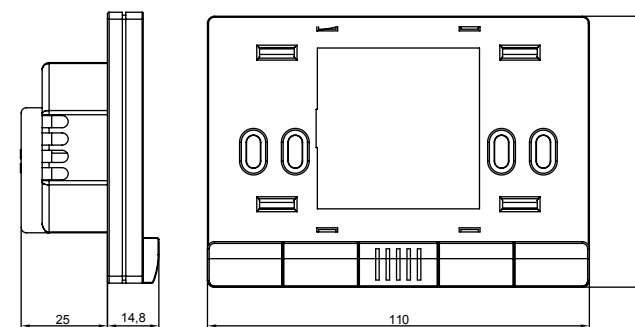
Automatically back up data available

- 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

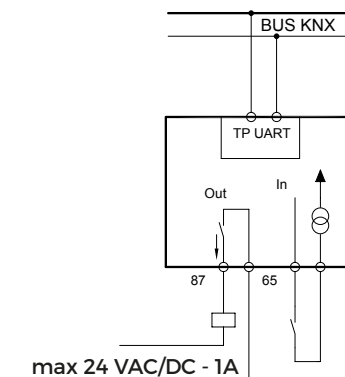


GRMS

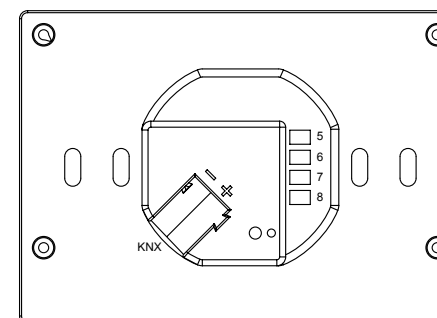
Thermostat



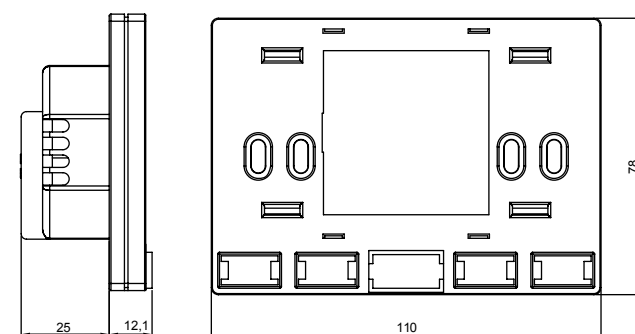
TM11C01KNX - TM11C11KNX - TM11C21KNX TM10D01KNX - TM10D11KNX - TM10D21KNX



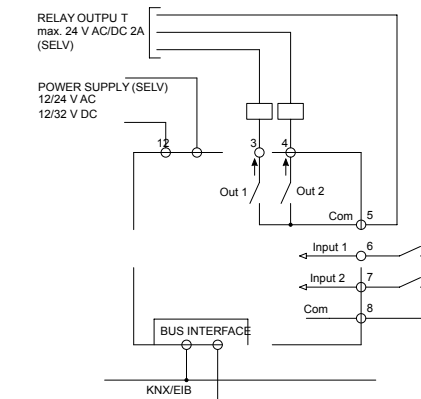
TM11C01KNX - TM11C11KNX - TM11C21KNX



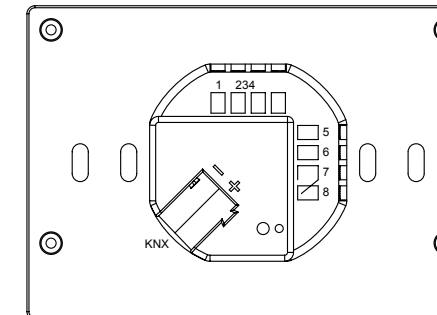
Transponder Reader & Holder



TR22A01KNX - TR22A11KNX - TR22A21KNX TH22A01KNX - TH22A11KNX - TH22A21KNX



TR22A01KNX - TR22A11KNX - TR22A21KNX TH22A01KNX - TH22A11KNX - TH22A21KNX



Actuators



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



**Universal actuator
16 IN /16 OUT with
manual control**

**Universal actuator
4 OUT with
manual control**

**Universal actuator
8 OUT with
manual control**

**Universal actuator
16 OUT with
manual control**

**Dimmer 2 / 4 channels
x 300w**



Actuators, Dimmers, Presence Sensors, System components

Functionalities

Actuators

Order codes

IO22D01KNX
Push Button interface inwall
2 in - 2 led out module

IO44D01KNX
Push Button interface inwall
4 in - 4 led out module

IO62D01KNX
Push Button interface inwall
6 in - 2 led out module



Push Button Interface

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

The device is dedicated to interface dry contacts with 2,4 or 6 input channels, such as sensors, conventional push buttons and 2 or 4 low voltage/current output channels to drive LED signal indicator lamps. These devices are extremely compact size (only 34 x 34 x 11 mm) and can also be used in installations where the inwall space available is reduced. The digital inputs can interface sensors, traditional buttons, etc; the 4 low-voltage output channels can drive LEDs for synoptic panels or switches. Outputs can drive low voltage LED; if possible use high-efficiency LED Eelectron cod. LD00A01ACC (blue color) or LD00A11ACC (white color). There are also 8 blocks of logic functions freely configurable by ETS (6 blocks available on IO62D01KNX). Device is equipped with KNX communication interface.

Technical Features

Dimensions

- (H x W x D) : 34 x 34 x 11 mm
- Weight 38g

Mounting

Flush mounted wall box

Connection

- Inputs and outputs: 12-pin cable connector AWG24

Supply

- From the KNX bus 21 .. 32 V DC SELV
- Current consumption from KNX <5mA

Specific inputs

- 2 or 4 or 6 digital inputs for dry contacts
- Maximum length 10 meters twisted cables
- Reading voltage: 3.3 V DC (internally Generated)

Specific outputs

- 2 or 4 outputs for driving LED
- Current / voltage for leds : 0.5mA / 3.3 V

| Model | Installation | Outputs | Relè Rating | Digital Inputs | Analog Inputs | Load Control | Shutters Venetians Control | Fancoil 2 Pipes 3/2/1 Speed | Fancoil 4 Pipes 2/1 Speed | Fancoil 4 Pipes 3 Speed | Electric Valve | Motor Reductor Driver |
|-------|--------------|---------|-------------|----------------|---------------|--------------|----------------------------|-----------------------------|---------------------------|-------------------------|----------------|-----------------------|
| BO04A | DIN RAIL | 4 | 16 A | | | • | • | | | | • | • |
| BO08A | DIN RAIL | 8 | 16 A | | | • | • | • | • | • | • | • |
| BO04B | DIN RAIL | 4 | 16 A | | | • | • | | | | | |
| BO08B | DIN RAIL | 8 | 16 A | | | • | • | | | | | |
| BO12B | DIN RAIL | 12 | 16 A | | | • | • | | | | | |
| BO16F | DIN RAIL | 16 | 16 A | | | • | • | • | • | • | • | • |
| IO44B | DIN RAIL | 4 | 16 A | 4 | | • | • | • | • | | | |
| IO88B | DIN RAIL | 8 | 16 A | 8 | | • | • | | | | | |
| IO44E | DIN RAIL | 4 | 16 A | 4 | | • | • | | | | • | • |
| IO88E | DIN RAIL | 8 | 16 A | 8 | | • | • | • | • | • | • | • |
| IO16F | DIN RAIL | 16 | 16 A | 16 | 4 | • | • | • | • | • | • | • |
| IO32D | INWALL | 2 | 10 A | 2 | 1 | • | • | | | | • | |

Dimmers

| Model | Installation | Outputs | Output's characteristics |
|-------|--------------|---------|--------------------------|
| DM01D | DIN RAIL | 1 | 700 W |
| DM02A | DIN RAIL | 2 | 300 W |
| DM03B | DIN RAIL | 3 | 300 W |
| DM03C | DIN RAIL | 3 | 1-10 V |
| DM04A | DIN RAIL | 4 | 300 W |
| DL04A | DIN RAIL | 4 | 70 W |

Push Button Interfaces

| Model | Installation | Digital Inputs | Outputs LED | Analog Inputs |
|-------|--------------|----------------|-------------|---------------|
| IO22D | INWALL | 2 | 2 | |
| IO44D | INWALL | 4 | 4 | |
| IO62D | INWALL | 6 | 2 | |
| AD84A | INWALL | 8 | 4 | 4 |



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.



RC01A01IRC
IRC Device



IR00A01ACC
IRX Cabling



TS01A01ACC
Temperature probe



TS01B01ACC
External temperature probe

Technical Features

Dimensions

- (H. x W.) 52 x 28 mm

Digital Input

- For free potential contacts (dry contacts)
- Max. length of Connecting Cable: ≤ 30 m (twisted cable)
- Reading voltage: 3.3 V DC (internally Generated)

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)

Supply

- Via bus EIB/KNX cable
- Voltage 21 ..32 V DC
- Current Consumption EIB/KNX < 10mA

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 V AC
- 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



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.



TS01A01ACC
Temperature probe



TS01B01ACC
External temperature probe

Technical Features

Dimensions

- (H. x W. x D.) 43 x 36 x 24 mm

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 10 m 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]

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 Eelectron LED (Code LD00A01ACC / LD00A11ACC)

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

Order code

AD84A02KNX

Push Button Interface 8 Input - 4 Led Output Module



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.

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

16 OUT

The DIN RAIL 16 Output Module BO16F01KNX is an EIB/KNX DIN rail mounting device with 16 relays outputs 16A-230 V AC.

Outputs can be configured for:

- up to 16 independent load/light controls
- up to 16 independent PWM control electric valves (solenoid actuators)
- up to 8 independent shutter/venetian
- up to 8 independent solenoid valves with 3-point control (or ventilating grille)
- up to 4 independent 2 pipes fan coil actuators
- up to 2 independent 4 pipes fan coil actuators

Digital inputs are intended to be connected to free potential contacts and can interface sensors, conventional push buttons, etc; Device includes manual push buttons for local relays switching and leds for operation indication.

Version BO16F01KNX-SD can manage a microSD card to save the ETS configuration for fast programming of a new device.

Technical Features

Dimensions

- (H. x W. x D.): 90 x 144 x 60 mm

Mounting

- 8 DIN modules

Supply

- From KNX bus 21 ..32 V DC SELV

Relay Output Features

- Pure resistive loads: max 16 A
- Incandescent Lamps: max 10 A
- Motors and motor reductors : max 10 A
- Fluorescent lamps with electronic transformer: max 4 A
- Fluorescent lamps: (max 140 µF) max 3 A (700W)

Order codes

BO16F01KNX

Universal Actuator 16 OUT Plus

BO16F01KNX-SD

Universal Actuator 16 OUT Plus + SD Card



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 codes

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 4 mm²

Supply

- From KNX bus 21 ..32 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 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.

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 section 4 mm²
- Inputs: 3 connectors every 2 inputs, max. section 4 mm²

Supply

- From KNX Bus 21...32 V DC SELV

Input Features

- 4 binary inputs for dry contacts
- Max length 30m twisted cables

Relay Output Features

- Resistive loads: max 16A
- Incandescent lamps: max 10A
- Motors e motor reduction units: max 1 OA
- Fluorescent lamps: max 2A
- Fluorescent lamps electronic transf.: max 6A
- Fluorescent lamps: (max 140 µF) : max 3A(700W)
- Minimum switching current: 10mA

Order code

IO44B02KNX-C

Universal Actuator 4 IN / 4 OUT C-Load



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.

Technical Features

Dimensions

- (H. x W. x D.): 90 x 72 x 58 mm

Mounting

- 4 DIN modules

Connections

- 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...32 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
- Incandescent lamps: 10 A Max
- Motors and motor reducers: 10 A Max
- Fluorescent lamps with electronic transformer: max 6 A
- Fluorescent lamps (Max. 140 µF) max 3 A



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.

Technical Features

Dimensions

- (H. x W. x D.): 90 x 72 x 58 mm

Mounting

- 4 DIN modules

Connections

- 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...32 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 reducers: 10 A Max
- Fluorescent lamps with electronic transformer: max 6 A
- Fluorescent lamps (Max. 140 µ) 700W Max

Order code

IO88B02KNX-C

Universal Actuator 8 IN - 8 OUT C-Load



Universal Actuator

16 IN / 16 OUT

The DIN RAIL 16 Input / 16 Output Module IO16F01KNX is an EIB/KNX DIN rail mounting device. Device has 16 inputs (potential free) and 16 relays outputs 16A-230V AC. Inputs are for dry contacts (potential free) and can be connected to push buttons, switches or as output for leds. Inputs can be used for on/off commands, dimming, shutters control, scenes, sequences, step by step on/off. Between 16 input 4 are configurable as analogical to be connected to NTC temperature probes and achieve up to 4 temperature sensor modules. Outputs can be configured for:

- up to 16 independent load/light controls
- up to 16 independent PWM control electric valves (solenoid actuators)
- up to 8 independent shutter/venetian
- up to 8 independent solenoid valves with 3-point control (or ventilating grille)
- up to 4 independent 2 pipes fan coil actuators
- it is also possible to combine 2 or 3 relays together with interlock to achieve 4 pipes/3 speeds fan coil actuators.

Device includes manual push buttons for local relays switching and leds for operation indication.

Version IO16F01KNX-SD can manage a microSD card to save the ETS configuration for fast programming of a new device.

Technical Features

Dimensions

- (H. x W. x D.): 90 x 144 x 60 mm

Mounting

- 8 DIN modules

Supply

- From KNX bus 21...32 V DC SELV

Input Features

- 16 binary inputs for potential free contacts
- 4 inputs configurable as analogical

Relay Output Features

- Pure resistive loads: max 16 A
- Incandescent lamps: max 10 A
- Motors and motor reducers : max 10 A
- Fluorescent lamps with electronic transformer: max 4 A
- Fluorescent lamps: (max 140 µF) max 3 A (700W)

Order codes

IO16F01KNX

Universal Actuator 16 IN / 16 OUT Plus

IO16F01KNX-SD

Universal Actuator 16 IN / 16 OUT Plus + SD Card



Universal Dimmer

2/4 CHANNELS X 300W

DMO2A02KNX and DMO4A01KNX are KNX universal power dimmers 2/4-channels with automatic identification of load type and with settable parameters to optimize control of different lamps like LED, incandescent and halogen, CFL dimmable lights, low voltage lamps with electronic or ferromagnetic transformer.

Load control is possible in leading and trailing edge.



Technical Features

Dimension

- (H x W x D) : 90 x 72 x 58mm – DMO2A02KNX
- (H x W x D) : 90 x 142 x 62mm – DMO4A01KNX

Mounting

- 4 DIN modules DMO2A02KNX
- 8 DIN modules DMO4A01KNX

Connection

- Power supply / load cable: max 4 mm² – AWG 11

Supply

- From EIB/KNX bus : 21..32 V DC
- Current consumption from KNX: ≤10mA
- From mains: 230 V AC 50/60 Hz
- Dissipated power : 3.5W – DMO2A02KNX
- Dissipated power : 6.8W max (1.7W x channel) – DMO4A01KNX

Allowed loads

- Incandescent or halogen lamps: 300W max - 230 V AC 50/60Hz
- Ferromagnetic transformer suitable for dimming with secondary winding closed on resistive load (Halogen lamps 12/24V): 200 VA max - 230 V AC 50/60Hz
- Electronic transformers with secondary winding closed on resistive load (Halogen lamps 12/24V): 300 VA max - 230 V AC 50/60Hz
- Dimmable LED Lamps: 230 V AC - max 60W
- Compact Fluorescent Lamps (ESL/CFL): 230 V AC - max 60W

Order codes

DMO2A02KNX

Universal DIN Dimmer 2 Channels x 300W

DMO4A01KNX

Universal DIN Dimmer 4 Channels x 300W



Universal Dimmer

1 CHANNEL 700 W - MASTER AND SLAVE

DM01D01KNX is a KNX power dimmer 1-channel acting as a MasterDimmertowhichyoucanconnectuptotwoSlaveModules (cod. DM01D01ACC) with identical characteristics to the Master power dimmer and connected to it by a local two wires bus. Dimmer DM01D01KNX can be used in one of the following configurations: Trailing Edge: The dimmer turns off part of the final part of the waveform of the input voltage resulting in reduced lamp output. This load regulation is used for resistive or capacitive loads (typically halogen lamps with electronic transformer or incandescent lamps). Leading Edge: The dimmer turns off part of the initial part of the waveform of the input voltage, resulting in reduced lamp output. This load regulation is used for inductive loads (typically ferromagnetic transformers or toroidal). The three channels are independent and can therefore operate on different phases of the same three phase systems respecting the limit of 230 V AC between phase and neutral.



Technical Features

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
- Local bus length: max 2 m between 2 modules

Order codes

DM01D01KNX

Universal Dimmer 1 Channel 700 W Master

DM01D01ACC

Universal Dimmer 1 Channel 700 W Slave

Supply

- From KNX bus 21 ..32 V DC SELV
- 230 V AC 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 fluorescent lamps (ESL/CFL): Max 160 W



LED Dimmer

CV 4 CHANNELS KNX

DL04A01KNX is a dimming actuator for LED in DC with constant voltage (CV). The device allows to drive 4 independent channels or 1 RGB channel and 1 single color channel or 1 channel RGBW. Module can be powered from 12 to 48V DC and consequently can manage the outputs (LED strips) with voltage from 12 to 48V DC. The combination of two adjacent channels (eg. Channel 1 + 2 and /or channel 3 + 4 allows to handle loads up to 8A). The device includes a 16A relay, suitable for switching capacitive loads, that allows a complete shutdown of the external power supply when all loads are switched off (for example at night) ensuring the maximization of the energy saving. Available functions include block, logic, scenes, color sequences, etc.. Device is equipped with KNX communication interface.

Order code

DL04A01KNX

Led Dimmer CV 4 Channels KNX

Technical Features

Dimension

- (H x W x D) : 90 x 71 x 62 mm

Mounting

- 4 DIN modules

Terminals

- Maximum wire gauge stranded : 2.5mm²

Supply

- From KNX bus 21 ..32 V DC SELV
- Current consumption from KNX <5mA
- AUX input to supply LED's : 12..48 V DC ± 10%
- Current Consumption ≤16A

Output for LED

- Max output for each channel: 4A
- PWM frequency: 200 / 260 / 400 Hz
- Over current protection: YES
- Over temperature protection: YES
- Reverse Polarity protection: YES



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 230 V. 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.

Technical Features

Dimensions

- (H. x W. x D.) 85 x 105 x 60 mm

Mounting

- 6 DIN modules

Connections

- Outputs: 2 plug-in terminals for each channel section conductors from 0.75 mm² to 2.5 mm²

Supply

- From KNX bus 21 ..32 V DC SELV
- 230 V AC 50/60 Hz

Order code

DM03B02KNX

Universal Dimmer 3 Channels x 300W

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.

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 ..32 V DC SELV

Relay outputs

- 3 power outputs with the following characteristics :
- Incandescent 230 V Max. 2300W
- Halogen 2300W
- Halogen lamps with magnetic transformer 1500 VA

Order code

DM03C02KNX
1-10V Dimmer 3 OUT

- 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



Presence Detector

LUX METER - FLUSH MOUNTED CEILING

The device is a presence and motion detector with integrated brightness sensor. The device communicates via KNX. It is designed for recessed-ceiling mounting.

Technical Features

Dimensions

- (H x W x D) : 58x87x87mm

Mounting

- Recessed-ceiling mounting

Connection

- Bus terminal

Order codes

PD00D01KNX

Presence Detector with Lux Meter
Flush Mounted Ceiling

PD00D01ACC

Surface mounting enclosure for PD00D01KNX

Supply

- From KNX bus 21 ..32 V DC SELV
- Current consumption from KNX <10 mA

Presence detection

Type: Passive infrared (PIR) / 288 sectors for detection

Brightness measurement

Type: contrast measurement



Presence Detector

2 CH. CEILING MOUNTING PIR DETECTOR

is a ceiling flush mount PIR detector. The load will be switched on automatically when the movement is detected and the ambient light level is below the Lux setting value. Until there is no movement detected and the pre-set delay time has been expired, load will be switched off automatically. User can pre-set the desired Lux and Time values by VR or IR setting for automatic control lighting on / off with low initial cost and great energy saving potential.

PD02X01CON can also be used in many different places for automation control.

They can be widely used in home, office, conference room, classrooms, hotel, corridor, underground parking lots, etc.

Order code

PD02X01CON

Conventional Presence Sensor - Surface Mounting

Technical Features

Dimensions

- (H x W x D) : 64x80x80mm

Load I(CH1) For Lighting: μ

- Incandescent Lamp: Max. 2000W
- AC Halogen Lamp: Max. 1000W
- LV Halogen Lamp: Max. 1000VA / 600W (traditional)
Max. 1000VA / 900W (electronics)
- Fluorescent Lamp: Max. 1000VA / 600W (uncompensated)
Max. 900VA / 100μF
25 x (1 x 18W); 12 x (2 x 18W);
15 x (1 x 36W); 7 x (2 x 36W);
10 x (1 x 58W); 5 x (2 x 58W)
- LED Lamp : Max. 400W
- Energy Saving Lamp: Max. 600VA / 400W (include CFL and PL lamp)

Load II(CH2) For Automation Control

(Lux is invalid):

- Max. 5A (cosφ=1) for 250VAC
- Max. 5A for 30VDC
- Max. 1A (cosφ=0.4) for 250VAC

Detection area:

360° circular

Range:

up to Ø12 m at height of 2.5 m
Operating temperature:
20oC to +50oC

Environmental protection:

IP54



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 codes

IC00P01DAL

Gateway KNX/DALI

IC00P02DAL

Gateway KNX/DALI Tunable White

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
- 110...240 V AC (50/60 Hz)
- 110...240 V DC

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
- DALI: 16 V DC



Gateway

KNX - DMX

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

Technical features

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

Order code

IC00B01DMX
Gateway KNX-DMX

KNX Power

- 21 - 30 V DC 150 mW

Programming

- Using the USB port

Supply

- 9-30 V DC, 100mA, separated



Fan Coil Controller

0-10V

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

Order Code

TC17B01KNX
Fan Coil controller 0-10V

Technical Features

Dimension

- Weight 200g ; (H x W x D) : 90 x 72 x 66mm

Mounting

- DIN rail : 4 modules

Connection

- Load circuits: screw terminal slotted head
- 0.2 ...4 mm² stranded

Supply

- From KNX bus 21 ...32 V DC SELV
- Dynamic current consumption <20 mA
- Static current consumption <5 mA

Input Temperature Sensor

- Local sensor: digital sensor / max 7 sensors / max cable length 50 m
- via KNX: 1 or 2 group objects

Outputs

- 5 relays outputs 10A cos φ 1 - 230 V AC
- 2 analog outputs 0-10 V DC 10mA for each channel



Energy Meter

SINGLE PHASE 63A-KNX

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

- 0.25-5 (63) A, Class B, 230 VAC 50 Hz, -25 °C ... +55 °C, 4 Quadrants, 2 Tariffs.
- Active Energy Class B (according to EN-50470) and Reactive Energy Class 2 (according to IEC 62053-23)
- Direct connected (up to 63 A)
- LCD display and 3 push-button keys (to read Energies, V, I, PF, F, P, Q and to configure some parameters)
- 1 push button and 1 LED dedicated to KNX.
- Display with 8 digits.
- Self supplied (by the input voltage itself). Device is intended to be installed on DIN rail.

Order code

PM10D01KNX
Energy Meter Single Phase 63A KNX

Technical Features

Dimension

- DIN rail: 2 modules

Functionality

- Connection to single-phase network (2-wires)
- Tariff for active and reactive energy: n° 2 - T1 / T2

Supply

- Power supply voltage 230 V AC
- Operating supply voltage range: 92 ... 276 V AC

Reference current 5A / maximum current 63A / minimum current 0.25 A / starting current 0.015 A
Nominal frequency 50 Hz / frequency range: 45 ... 65 Hz
Max Power consumption (voltage circuit) <2VA (1W)

Overload

Permanent voltage 276 V AC / temporary (1 s) 300 V AC
Permanent current 63 A / temporary (10 ms) 1890 A

Class II

SELV circuit



Energy Meter

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

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

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

Order Codes

PM30D01KNX
Energy Meter Three Phase 63A KNX

PM30D02KNX
Energy Meter Three Phase KNX with TA connection

Technical Features

Dimension

- DIN rail: 4 modules

Functionality

- Connection to three-phase network (4-wires)
- Tariff for active energy: n° 2 - T1 / T2

Supply

- Reference voltage Line to Neutral: 230 V AC
- Reference voltage Line to Line: 400 V AC
- Operating supply voltage range: 92 ... 276 / 160 ... 480 V AC
- cod. PM30D01KNX : reference current 5A / maximum current 63A / minimum current 0.25A / starting current 0.015 A
- cod. PM30D02KNX : reference current 1A / maximum current 6A / minimum current 0.01A / starting current 0.001A
- cod. PM30D02KNX : max CT ratio 10000/5 A or 2000/1 ; ratio adjusting step 5 or 1 A
- Nominal frequency 50 Hz / frequency range: 45 ... 65 Hz

- Number of phases (wires) : 3 (4)
- Max Power consumption (voltage circuit) ≤2VA (0.6W)

Overload

· Voltage continuous phase-phase 480 V AC / 1 second phase-phase 800 V AC
continuous phase-N 276 V AC / 1 second phase-N 300 V AC
· Current cod. PM30D01KNX : continuous 63A / temporary (10ms) 1890A cod. PM30D02KNX : continuous 6A / temporary (0,5ms) 120A
PM30D01KNX: permanente 63A / temporaneo (10ms) 1890A
PM30D02KNX: permanente 6A / temporaneo (0,5ms) 120

Class II

SELV circuit



Power Supply

640 mA

Power supply for generating bus voltage on a line with a maximum current of 640 mA.

With integrated choke to decouple the power supply voltage from the bus.

Connection with screw terminals.

Mounting on DIN rails EN 50022.

Bus connection via bus terminal.

Order code

PS00D03KNX

640 mA Power Supply

PS00E03KNX

640 mA Power Supply

Technical features

Mounting

- 3 DIN modules (PS00D03KNX)
- 4 DIN modules (PS00E03KNX)

Output voltage

- Rated voltage 30 V DC

Output current

- Rated current 640mA

Controls and Indicators

PS00D03KNX

- 1 reset button
- 3 LEDs (power on, reset, overload)

PS00E03KNX

- 1 reset button
- 4 LEDs (overvoltage, overload, operation, reset)



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.

Technical features

Mounting

- 1 DIN module

Connections

USB-KNX Interface:

- Connector for KNX TP Bus (red/black)
- USB: Connector type B
- max. cable length: 5 m

IP - IP Router / KNX:

- Connector for KNX TP Bus (red/black)
- LAN RJ-45 socket

Order code

IN00A03USB

USB-KNX Interface

IN00A02RIP

Router PoE IP-KNX Interface

IN00A03IPI

IP-KNX Interface

Line Coupler

KNX

The LC00B01KNX KNX line coupler has been made in a compact design. It connects two KNX bus segments (for example, a KNX line with a KNX area).

The device has a filter table (8k bytes) and ensures a galvanic isolation between the lines.

The coupler supports KNX longframes and is compatible with the ETS® software (ETS4.2 or higher).

The buttons on the front panel allow disabling the telegram filter for testing purposes.

The LEDs indicate operating conditions as well as communication errors on the KNX bus.

Order code

LC00B01KNX

Line Coupler KNX

Technical features

Mounting

- 1 DIN module

Connections

- KNX/EIB bus terminal for main line and subline

Supply

- KNX main line approx. 5 mA
- KNX sub line approx. 3 mA

Controls and Indicators

- 2 buttons and 3 LEDs multicolors

Environmental protection

IP20

KNX

- Medium TP/TP
- Filter table 8k bytes



KNX

BUS CABLE

It is used for installation in "smart" building applications. Guarantees perfect communication in accordance with specifications established by EIB / KNX, and is suitable for applications with fixed wiring inside channels and under plaster.

Technical features

Inner Conductor

- Solid bare copper wire

Construction

- 1 x 2 x 0,8 or 2 x 2 x 0,8 mm

Dielectric

- Low smoke zero halogen fire retardant compound (LSZHFRNC)

Colours

- Red, black or red, black, yellow, white

Outer Jacket

- Low smoke zero halogen fire retardant compound (LSZHFRNC)

Classified

- CEI 20-11 M1

According to

- IEC 60332-1, IEC 61034-1= IEC 61034-2

Diameter

- 5,20 mm ± 0,20 colour

Colour

- Green (RAL 6018)



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 100 V
- Rated current 6 A
- Stripping length from 5 to 6 mm

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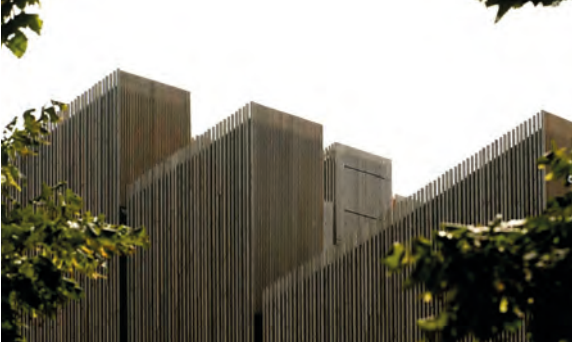
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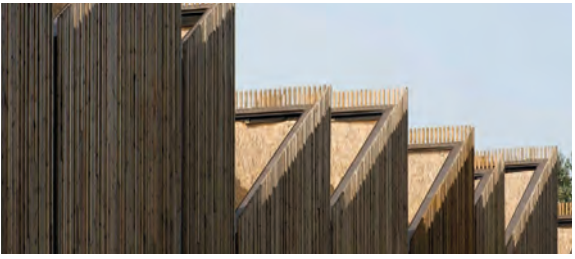
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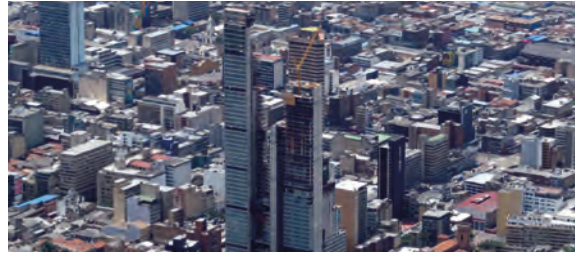
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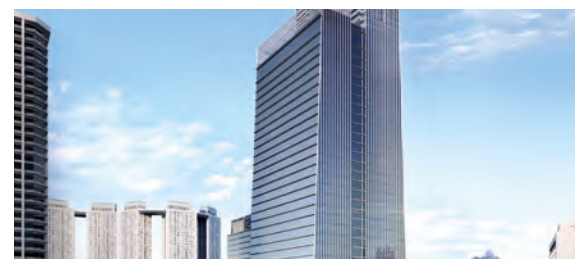
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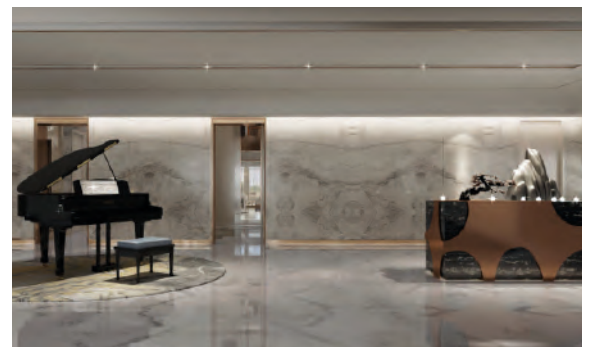
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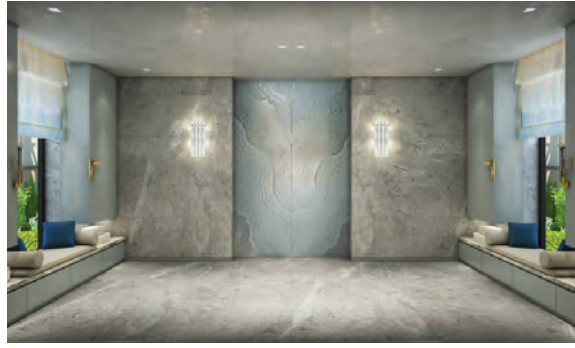
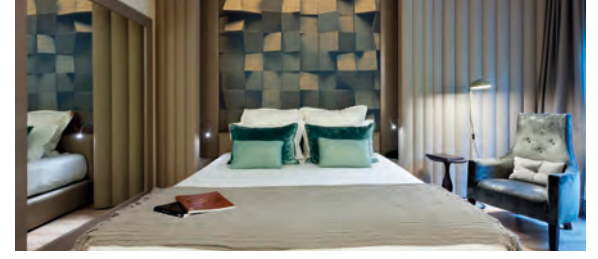
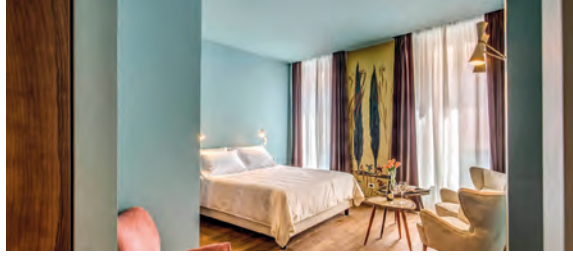
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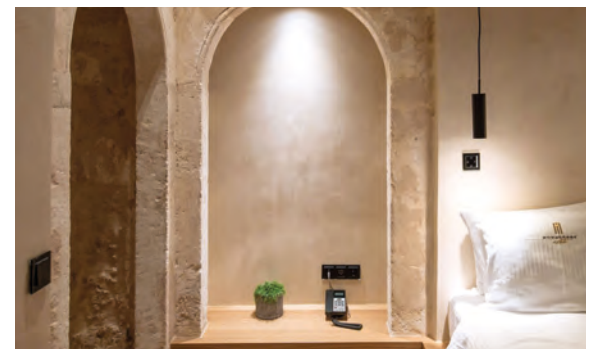
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HOTEL - KOH SAMUI
(THAILAND)



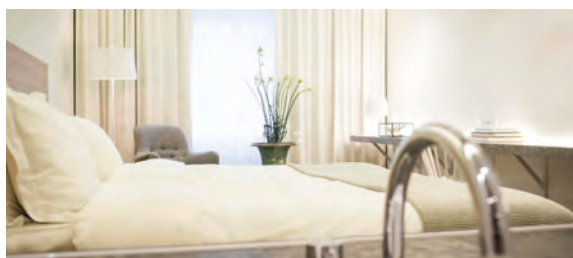
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