



EFFICIENT AND SUSTAINABLE USE  
OF ENERGY IS AN URGENT NEED:  
BUILDINGS AND BUILDINGS  
CONSTRUCTION SECTORS  
COMBINED ARE RESPONSIBLE  
FOR 36% OF GLOBAL FINAL  
ENERGY CONSUMPTION AND  
NEARLY 40% OF TOTAL DIRECT  
AND INDIRECT CO<sub>2</sub> EMISSIONS.



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

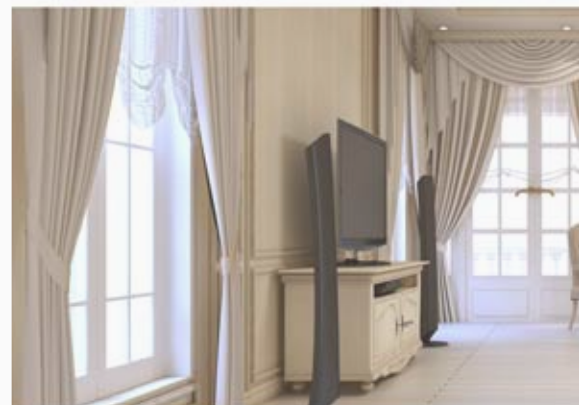
Its product range addresses building automation, hotel automation and home evolution sectors with a deep focus on complex environments management and experience in integrated solutions.

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

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

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

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



Eelectron SpA is a KNX certified training center:  
accredited by the KNX Association for the  
organization of basic, advanced and  
HVAC courses.



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 8,000 devices produced by some 500 leading manufacturers in electronics / devices, and more than 12 million nodes installed worldwide.

KNX is approved by:

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

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

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

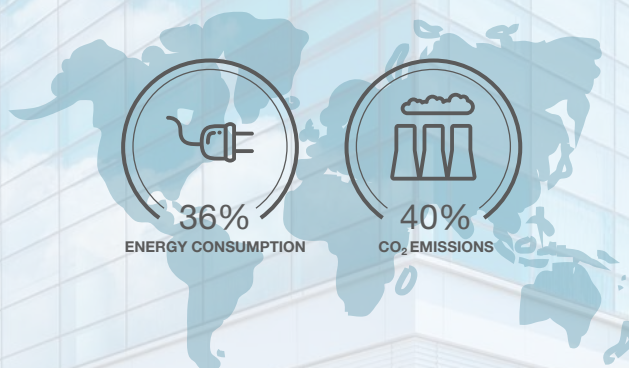
**KNX flexibility** offers the possibility to add or reprogram new devices after installation and meets the needs of completion in **renovations or extensions**.

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

# building evolution

| Automate functions of medium-large buildings: commercial, offices, hospitals, hotels, museums, public buildings | Offer **automatic management and guarantee continuous integrated control**, lowering energy costs and improving efficiency | Increase comfort and safety of the occupants and improve quality of life.

Reducing energy consumption not only lowers costs, but also **reduces the environmental impact of the building for the benefit of all.**



INTEGRATION



BRIGHTNESS  
CONTROL



CONSTANT  
DIMMING



PRESENCE  
DETECTION



HVAC  
CONTROL



BLINDS AND  
SHADES CONTROL



More comfort, higher energy efficiency, scalability, security and a better quality of life.

Optimizing energy efficiency in buildings means then use the energy only in the required amount and only when necessary, thanks for example to:

- ✓ Integrated control  
simple and efficient supervision and control software
- ✓ Lighting and HVAC control, presence and Illuminance related
  - lighting control based on the presence of users
  - HVAC control based on the presence of users
  - dimming of lights based on natural brightness
  - groups of lights management
- ✓ HCL (Human Centric Lighting)  
implementation of logics to manage the temperature (hot / cold) of the light, changing the color according to the time of day and the natural temperature - for the maximum benefit of the guests
- ✓ Environmental parameters detection
  - enhanced automatic shading control based on sun position tracking/season
  - CO<sub>2</sub> / V.O.C. detection and management of air recirculation
  - humidity and sound detection for environmental optimization
- ✓ Integration in third party BMS



HUMAN CENTRIC  
LIGHTING



AIR  
QUALITY



ENERGY CONSUMPTION  
MONITORING



CONFIGURABLE  
SMART LOGICS



SUPERVISION



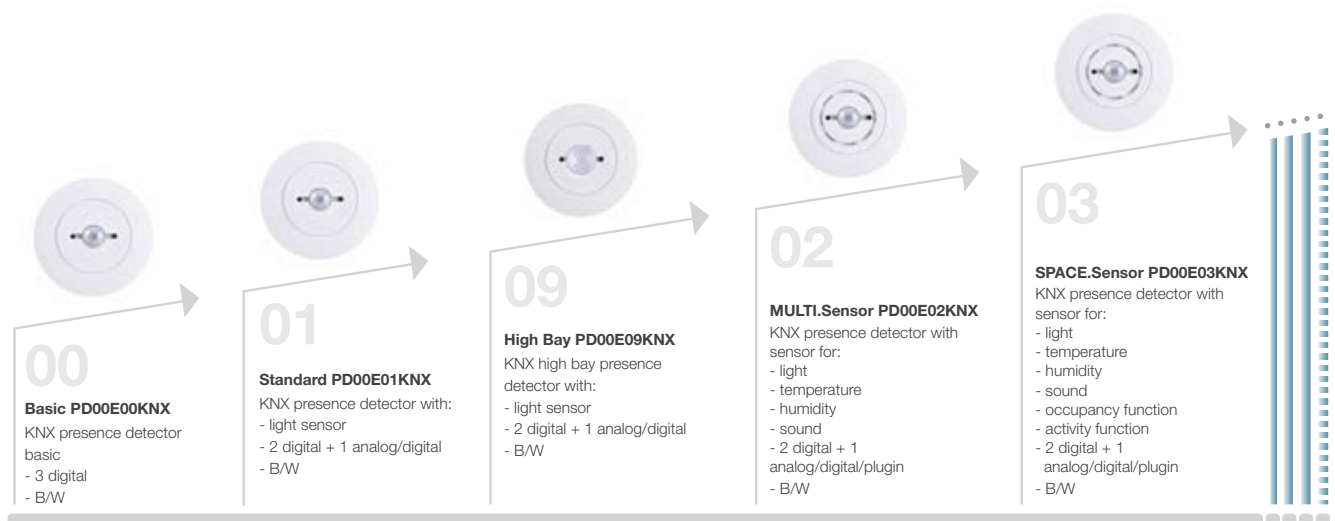
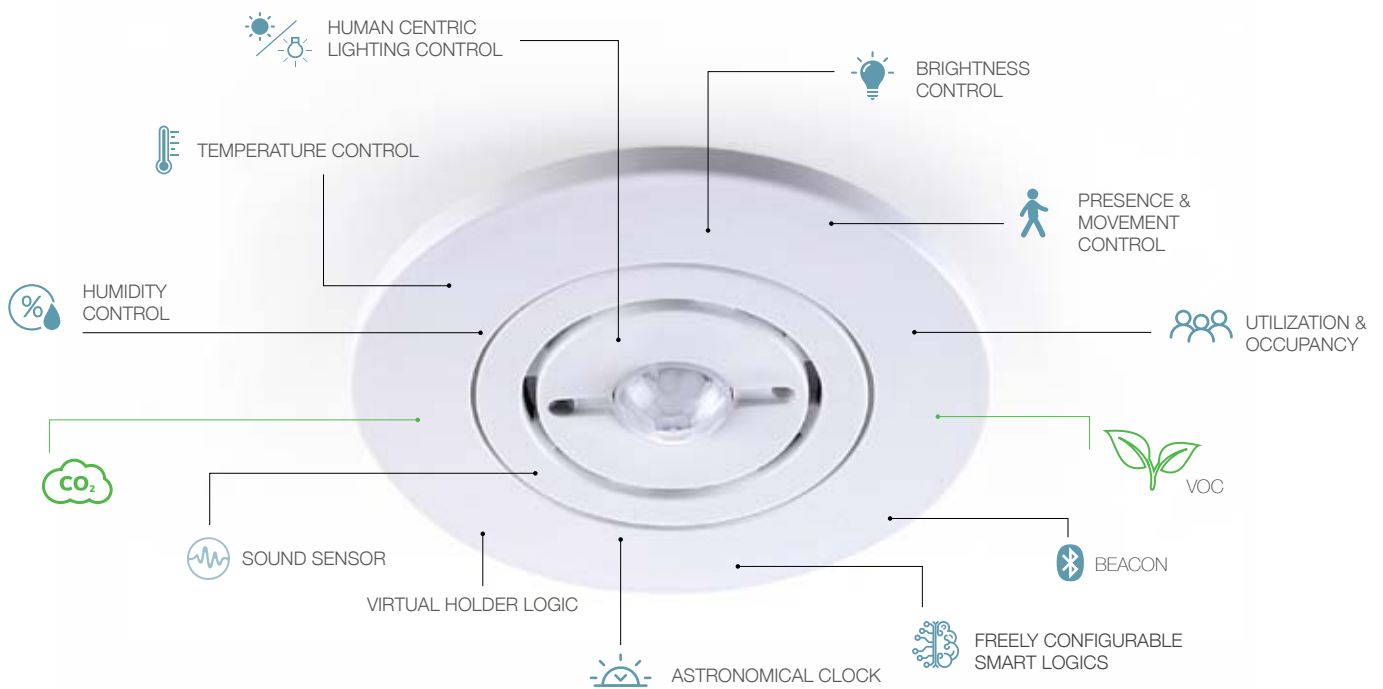
REMOTE  
CONTROL

# multi.sensor KNX

DESIGN **PLUS**  
powered by **light+building**  
2020

Innovative, smart, reliable

The new range of sensors, combining information on presence, brightness, humidity, temperature and sound, contribute effectively to control heating, cooling, lighting, shading and room optimization complying with Leed®, Breeam® and Well® requirements for buildings.



-> all models available both in Black or White version



**Wide range**  
**PD00E20KNX**  
temperature,  
lighting control

detection range Ø 24 M  
3 pir inside



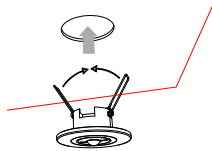
**Corridor**  
**PD00E21KNX**  
temperature,  
lighting control

detection range APPROX. 40 \* 5 m  
2 pir inside

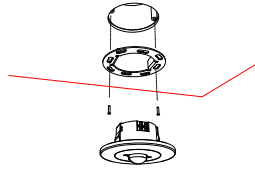
## elegant flat design

Top functionality combined with design

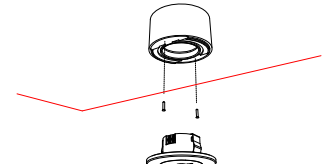
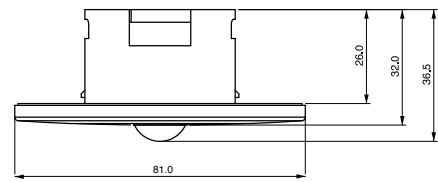
## flexible installation



Ceiling installation.  
Stability granted by the  
spring clips, hidden by  
the ceiling mounting.



Flush-mounted  
with Box mounting  
frame.

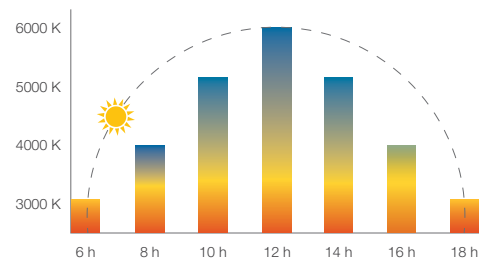


Surface installation with  
the surface mounting  
enclosure.

## lighting comfort closer to reality



thanks to the "Circadian Rhythm" logic with which  
brightness and color temperature are imposed  
on the basis of predefined curves or on the real  
position of the sun during the day with respect to a  
terrestrial coordinate.



**Human Centric Lighting** is a lighting concept based on color variation, light intensity and proper lighting that mimics the natural daylight to enhance comfort, health, wellbeing and human performance. Multi.Sensor directly provides HCL control in different formats according to the controlled device.

## Plug-in for air quality



Accessories that extend the features of the Multi.Sensor range to monitor the air quality inside buildings, with particular with regard to the wellness and comfort of the building occupants.



SM03A01ACC  
Temperature sensor  
CO<sub>2</sub> sensor  
B/W

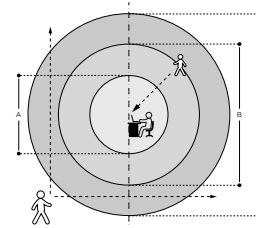


SM03A02ACC  
Temperature sensor and  
a VOC sensor to measure  
indoor air quality (IAQ) and  
CO<sub>2</sub> equivalent (eCO<sub>2</sub>)  
B/W

## wide detection area

thanks to the sound sensor it is the ideal solution for rooms with parts not totally visible to the infrared sensor.

## optimized for small movements



| BASIC - STANDARD - MULTI - SPACE |       |        |        |
|----------------------------------|-------|--------|--------|
| h                                | A     | B      | C      |
| 2.5 m                            | 3.8 m | 7.0 m  | 10.0 m |
| 3.0 m                            | 4.0 m | 8.0 m  | 12.0 m |
| 3.5 m                            | 5.0 m | 9.0 m  | 13.0 m |
| 4.0 m                            | 6.0 m | 11.0 m | 14.0 m |

# 9025 multi.sensor controller

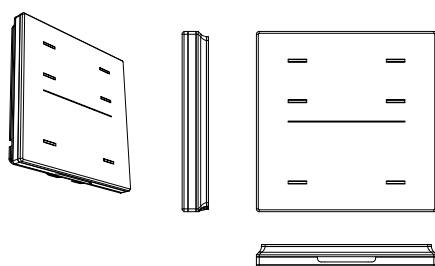
Efficient, precise, elegant

**9025 Multi.Sensor Controller** is a device of the **9025** series, wall-mounted; it monitors the internal environment and allows to detect temperature, humidity and CO<sub>2</sub> (measured directly by means of an integrated probe, not through calculations based on other sensors).

It allows the optimization of values whilst keeping energy consumption to a minimum and therefore delivering of a **healthy and efficient environment to occupants**, making the building more sustainable.



-> available both in Black or White version



## MC06A01KNX

9025 Multisensor Controller [CO<sub>2</sub> – Humidity – Temperature]

## HC06A01KNX

9025 Humidity – Temperature Controller

device includes 6 capacitive buttons that can be configured to manage on/off commands, dimming, shutters and venetians control, scene recall and control, objects sequences etc..

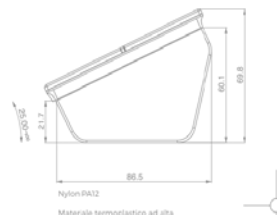
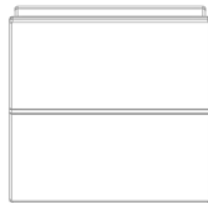
# custom design

On request

Products and solutions, natively designed for a CUSTOM DESIGN.

A world of materials, finishes, icons to optimize and personalize the experience of people and requests in different realities.

Eelectron provides to architects and interior designer a co-design service to achieve seamless integration levels.



# Wellness, energy efficiency, sustainability

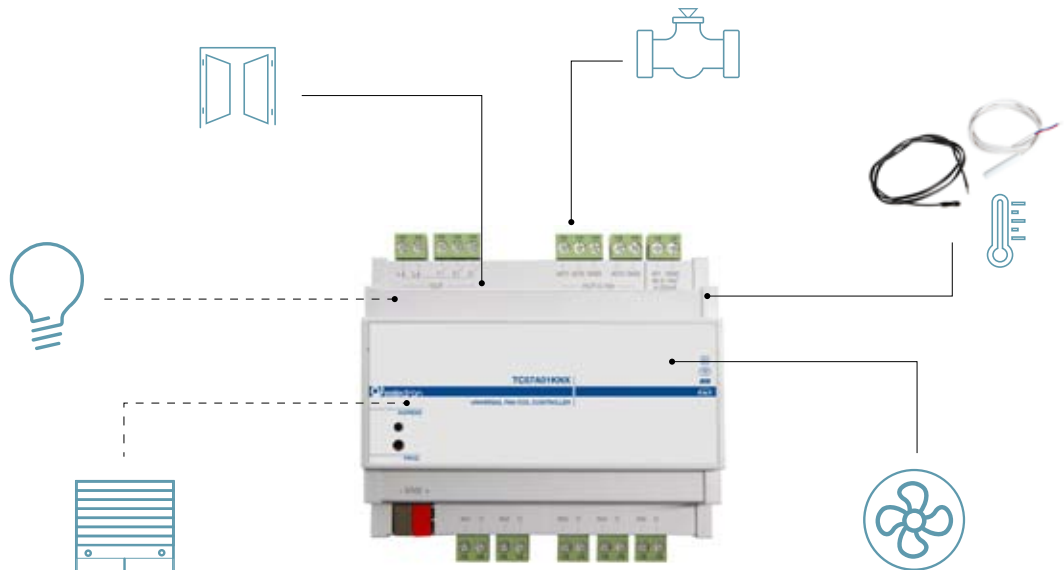
Room automation



## Universal Comfort Controller 0-10 V KNX

An interoperable controller for room automation.

It covers modern needs for FCU applications with 0-10V actuators and variable speeds.



### Outputs

3 x 16A Relays

3 x 0-10V (1 can be Analog Input)

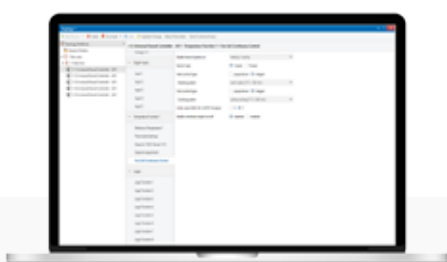
### Inputs

1 x 0-10V o 4-20mA

5 x Digital Inputs (2 can be NTC probe)

The TC57A01KNX device is a DIN rail EIB / KNX actuator for 0-10V fan coil units control, or other 0-10V controls such as valves, variators, ...

A flexible solution: each I / Os can be programmed for different functions (e.g. light control)



- Easy to program
- Flexible range of applications: HVAC, LIGHTS, SHUTTERS
- Advanced logics

### Esempi di APPLICAZIONI:

- Controllo di velocità variabile di ventilatori e variatori
- Controllo di valvole
- Controllo di sensori NTC

### Examples of APPLICATIONS:

- 0-10V variable speeds
- 2 x 0-10V Valves
- NTC temperature probes



# OTOMO

## OPTIMIZED OFFICE AUTOMATION

OTOMO® is a system composed of electronic devices and objects (table and ceiling lamp) equipped with environmental sensors.

It works by DETECTING THE PRESENCE OF A USER IN AN ENVIRONMENT and consequently managing lights, energy saving, environmental parameters.

OTOMO® is an innovative system designed to optimize a single target: the office.

It uses Bluetooth® technology allowing objects to exchange information over a wireless network that is entirely configured through the App, available for smartphone & tablet.





LIGHTING / CONSTANT  
DIMMING



BLINDS / SHADES



GATES



SHUTTERS

## AUTOMATIC MANAGEMENT AND / OR RELATED TO THE PRESENCE OF THE USER

- lux metering
- control and constant brightness dimming through lux meters installed on the work table / ceiling
- energy savings thanks to shading control
- activation of "favorite" settings for single user / environment
- automatic zones shutdown



# OTOMO

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It's a network of Bluetooth® controls born to manage optimization, energy saving and office control through smartphone and mobile devices.

Through the **detection of qualified presence** and thanks to the integration of **Bluetooth Low Energy®** and **IoT** sensors, OTOMO allows - with a wireless solution - to improve the well-being of the occupants and the environmental quality.

OTOMO® stands out in the market with a professional proposal: easy to install, scalable and affordable, it requires minimum programming skills for its setup, providing a new relationship between simplicity and efficiency.

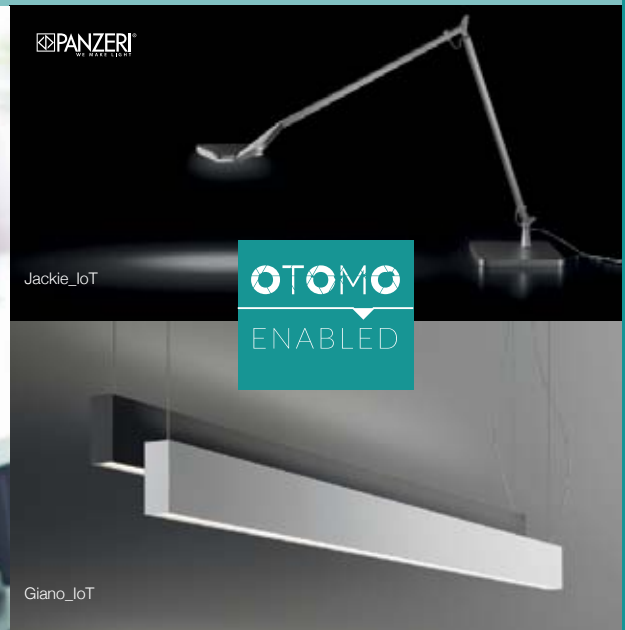
OTOMO® can be integrated with **KNX**

OTOMO-IP-MODBUS Gateway



A simplified set of well centred components:

- table lamp with lux/temp metering
- DALI Bluetooth Low Energy® controller
- relè Bluetooth Low Energy® modules
- switch Bluetooth Low Energy® interface module
- lux / temperature meter accessory
- lighting fixtures **OTOMO® enabled**
- **gateway:** OTOMO-KNX | OTOMO-IP-ModBus
- beacons for user detection



# supervision environment

For intelligent buildings

Compatible with SmartPhone and Tablet iOS® or Android®, PC & Laptop

MacOS / Windows OS



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 monitoring functions are also available for multi-facility corporations, as for shops or delocalised manufacturing sites.

Moreover, the system is not requiring any working PC in the installation.

HORIZONE allows users with many possibilities to create scenarios, astronomical clocks, logics, comparators, data logging, graphs, email notifications for alarm reporting for real-time management and monitoring of the system and advanced controls with simplicity.

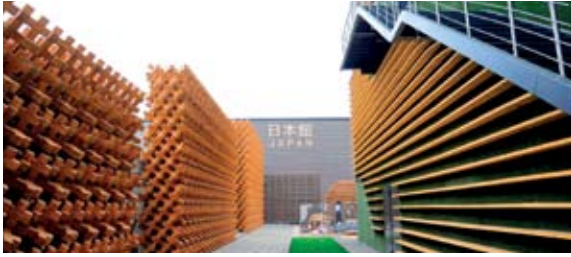
## HORIZONE



The robust hardware and product construction quality are matching with product reliability, stability and immunity to disturbs and interferences. The system offers native compatibility to ModBus protocol, without using external interfaces: it is possible to integrate signals coming from other layers, and to **manage meters, control units, sensors and other devices** that are working in the environment over different subsystems - allowing the integration in graphical pages displaying values, status and controls to and from these subsystems.



**EXPO 2015**  
MILAN - (ITALY)



**ARPA HEADQUARTER**  
FERRARA - (ITALY)



**LS PLATOU CLARKSON OFFICES**  
OSLO - (NORWAY)



**AERMACCHI HEADQUARTER**  
VENEGONO (VA) - (ITALY)



**PARTE BASSA VIALE STAZIONE**  
BELLINZONA - (SWITZERLAND)



**INDOOR STADIUM**  
TALLIN - (ESTONIA)

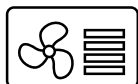


# hotel solution



Hospitality industry is a complex environment with a particular attention to:

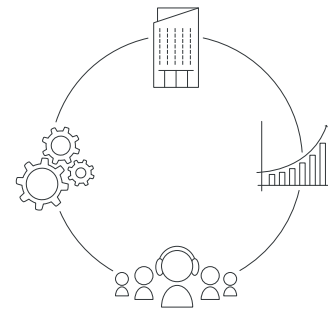
- exceptional guest experience through Usability, Comfort & Design
- delivery of a quality service through Profitable Operational Efficiency and Integration
- request for competitive, reliable and scalable solutions for operators, protecting investment in the medium-long term period



## Unique experience for guests & staff

Hospitality industry is a complex environment with a particular attitude and attention to:

- ✓ Exceptional guest experience through Usability, Comfort & Design.
- ✓ Delivery of a quality service through profitable operational efficiency and integration.



With **over 20 YEARS of EXPERIENCE** and everyday learning from hotel operators and managers, **MORE THAN 36.000 ROOMS** installed in **80 COUNTRIES WORLDWIDE**, important references and a solid range of products, we are recognized as one of the leader in the **KNX HOTEL MARKET**, through constant development of solutions and high experience on project, advising always the best to our customers.

Deploying a wide spectrum of dedicated solutions, Eelectron is assuring considerable energy savings through an intelligent management of lighting, heating and cooling systems, delivering fast returns on investments and flawless project execution.

With a focused eye on contemporary design, customization techniques and material research we constantly follow owner's and operators highest standards.

# occupancy detection

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## Transparent control, evident comfort

Accurate presence information thanks to integration with door magnetic sensor.

Our occupancy detection solution can understand guest presence in the room by using a DEDICATED PRESENCE SENSOR. It detects also unexpected presence in the room and is able to differentiate multiple behaviours.

When the room is occupied, the Guest will have full control of all room lighting and temperature controls.

The system is able to detect presence also from other bus events.

When the room is 'unoccupied', all lights will turn off (with a standard delay) and the HVAC system will reset to the preferred temperature. If the room is unsold, all lights will go off and the HVAC will reset to a convenient temperature.



# integration & scalability

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## Shaking hands with professional subsystems

GRMS - Guest Room Management System can be integrated with the BMS and PMS in order to enable global management of the building and the hotel's operations to help reduce running costs and increase the efficiency of the building.

- ✓ Compatible with Property Management Systems (MICROS Fidelio Opera®, Protel, Flyhotel ...)
- ✓ ModBus integration to the most widely used brands and technologies (LON e BACnet, Mitsubishi®, Daikin®, Toshiba®, Sanyo®...)

HORIZONE



# 9025. room access

Welcoming Guests



TH00C01KNX-3  
Transponder Card Holder



TR00C01KNX-3  
Doorpanel Transponder Reader



The 9025 series devices dedicated to access control management are KNX® devices and use RFID - MIFARE® technology. The upper part of the glass is backlit; in the lower part there are freely configurable backlit capacitive buttons. The transponder is read by placing it in front of the reader, at a maximum distance of 20 mm; in the case of the transponder pocket, the card is inserted into a compartment from the top of the device.

The color of the reader RGB LED bar indicates that the card has been recognized and shows different (configurable) colors for status or anomalies.

## access control & supervision

Energy saving and cost control

- ✓ Presence Detection
- ✓ Guest Management
- ✓ Staff Management
- ✓ Profile Management with preferred HVAC and Lightning settings
- ✓ Zone Control
- ✓ Access Reports
- ✓ Presence-Activated Logics

A Complete view on the entire building, common areas, alarms client's and staff activity locally or from remote.

Using the **Virtual Badge app** it is also possible to manage doors opening/access and the control of the room directly via the customer's mobile device.

# protection & security



Highest standards ever, as a must

**KNX** is the **MOST SECURE** smart home and smart building standard available, matching **highest security requirements** in cyber security by following **AES128 Standard**. Full secured KNX installations are guaranteed both from attacks carried out remotely, and from the risk of possible tampering of the bus system aimed at stealing informations or sending unwanted commands: without having the necessary cryptographic keys, it is not possible to decrypt and replicate data traffic.

Our solutions are KNX SECURE Ready.

A safe energy management is granted also through redundant power supplies which reduce loads peaks and react to unexpected failures.



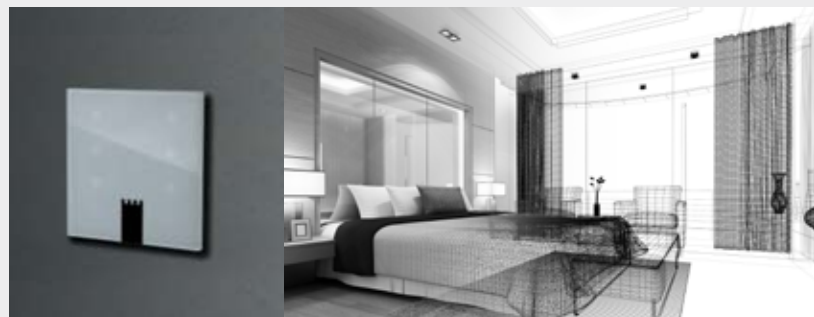
# customization

Your style

Products and Solutions, natively engineered for CUSTOM DESIGN.

A World of materials, finishings, icons to optimize guest's experience and **hotel's brand identity**.

Products dedicated to the hospitality industry that meet customer needs without sacrificing the quality of industrial standards.



Doorpanel 2 ch Black/White + RGB



9025 Custom Bedside Panel Black/white



## HOTEL REFERENCES



**AL RAHA BEACH HOTEL**  
ABU DHABI - (UNITED ARAB EMIRATES)



**CHARMING FOX SAMUI**  
KOH SAMUI - (THAILAND)



**HOTEL INTERSUR RECOLETA**  
BUENOS AIRES - (ARGENTINA)



**RADISSON BLU HOTEL**  
DOHA - (QATAR)



**HOTEL CONDES DE BARCELONA**  
BARCELONA - (SPAIN)



**MONASTERY ESTATE VENETIAN HARBOR**  
CHANIA - (GREECE)



# residential solution

Automate the functions of a residential building to offer **comfort, safety and simplicity**, future-oriented, to maintain **commercial attractiveness over time**, contribute to **environmental sustainability** and better enjoy your home.



## LIGHTING

Control of the indoor and outdoor lighting.



## BLINDS & SHADES CONTROL

The control of blinds& shades is performed centrally or decentralized



## HEATING, VENTILATION, AIR CONDITIONING

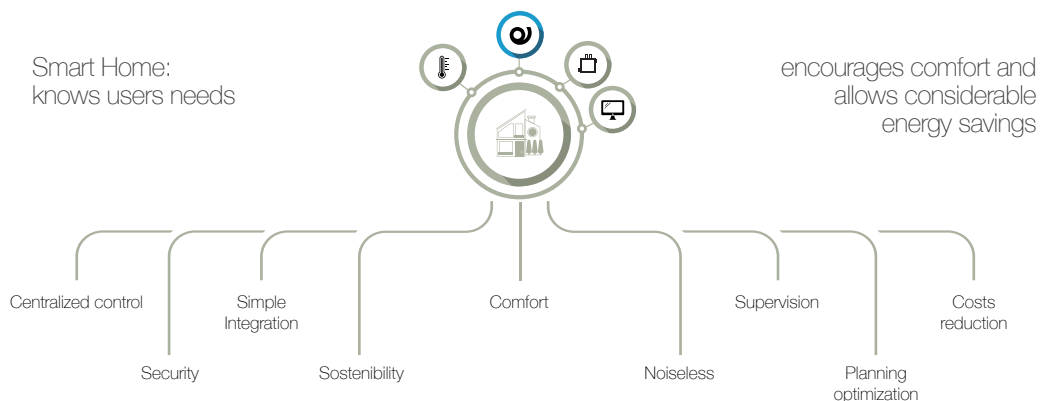
Centralized or demand-based control - even remote - to ensure the desired temperature and reduce energy consumption



## CUSTOMIZED SCENARIOS

To accommodate the different needs of environments and users

## Benefits of a smart home



Compatibility, comfort and safety.

Eelectron products offer a solution that meets the highest standards in residential buildings combining comfort and safety with savings and environmental awareness.

Eelectron's automation solutions for the residential sector are aimed at medium-large sized residential buildings and luxury properties: compatible with almost all electrical devices and with third-party products. This integration ensures system scalability and can meet future needs



- ✓ Control and management of underfloor heating / cooling / room humidity
- ✓ DALI / DMX / Led lighting control
- ✓ Local or remote control from Tablet and smartphone (Android - iOS)
- ✓ Interface with audio systems, security systems, IP cameras
- ✓ Interfacing with video door entry systems



### MONITORING/ALARMS

Sensors for monitoring windows and doors, control systems and alarms



### VISUALIZATION AND REMOTE CONTROL

Visualization and central home operation using touch displays. also on the move from smart phones and tablets



### ENERGY METERING

Transparent consumption and real-time control

# supervision

Home automation

HORIZONE

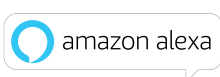
HORIZONE is the ideal solution to manage every technological sub-systems for home evolution: lighting, blinds/shadows, temperature, loads control, power consumptions, door intercom system, irrigation system, security cameras, alarm system, music/video.

HORIZONE has been designed to deliver full control in an installation with one only tool. Easy access from Pc/ Mac or mobile devices, from your house or from remote.

Built over a reliable and powerful software architecture, HORIZONE allows users with many possibilities to create scenarios, logics, and advanced controls with simplicity.



- ✓ 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)
- ✓ **Voice control**



BO04K01KNX  
Universal DIN module 4 OUT



BO08K01KNX  
Universal DIN module 8 OUT



BO12K01KNX  
Universal DIN module 12 OUT



# modular solutions

## Actuator for Electrothermal Valves

A typical use of the device is underfloor heating of residential installations focused on comfort and energy saving.



**HA04A01KNX**  
Actuator for Electrothermal Valves  
4 IN / 4 OUT

Control of 24Vac or 230Vac valves with no relay sound  
Inputs (from 1 to 4) can be used as digital or analog  
**up to 8 smart thermostats**



**HA08A01KNX**  
Actuator for Electrothermal Valves  
8 IN / 8 OUT

Freely configurable logics (up to 7)  
4 or 8 Channels for valves in PWM (Solenoid Actuators)  
2 or 4 channels for 3 point valve control



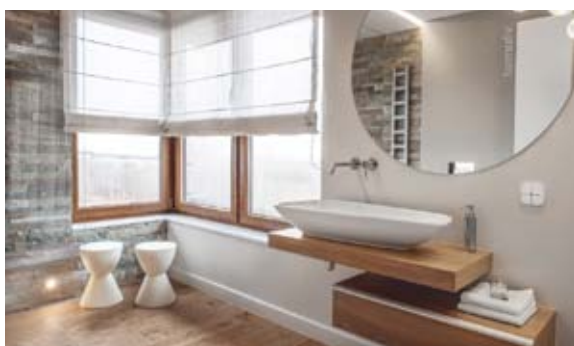
## RESIDENTIAL REFERENCES



**IL PAESE RITROVATO**  
MONZA - (ITALY)



**GORANI PALACE**  
MILAN - (ITALY)



**VILLA DESIGN**  
GDANSK - (POLAND)



**IRIS BLUE TOWER**  
DUBAI - (UNITED ARAB EMIRATES)



**TEMPLER VILLA**  
KUALA LAMPUR - (MALAYSIA)



**BOSCO VERTICALE**  
MILAN - (ITALY)



# products range

Research, development, design, production, Made in Italy

## 9025

evolving skills

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

DESIGN PLUS  
powered by: light+building



## 3025

Warmth, in your place

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



## eelecta

You, in an homy and environmental world

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

DESIGN PLUS  
powered by: light+building



reddot design award  
winner 2012



# products range

## controls and design buttons

### 9025

capacitive switches up to 10 channels with integrated thermostat & thermostats/humidistats  
glass finish, in 2 or 3 modules version

multisensor controller (humidity – temperatura)

multisensor controller (CO<sub>2</sub> + humidity + temperature)

temperature probe

HC06A01KNX

MC06A01KNX

TS01D01ACC-1 / -3M

TS01D01ACC-3 / -3M

### 3025

55 X 55 mm switches - 4 channels, integrated thermostat in different finishes and materials

### eelecta

MiniPad (9x9 cm) available in 4 or 8 channels version



## Touch Panels

### TOUCH PANEL 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.



## supervision

### Horizone

supervision webserver for Building & Home Automation

### Horizone mini

supervision webserver for Building & Home Automation

### Touch Panel 3,5", 5", 8"

range of wall-mounted touch panels

### eSuite

Supervision for the hospitality industry. Access control and complete hotel management



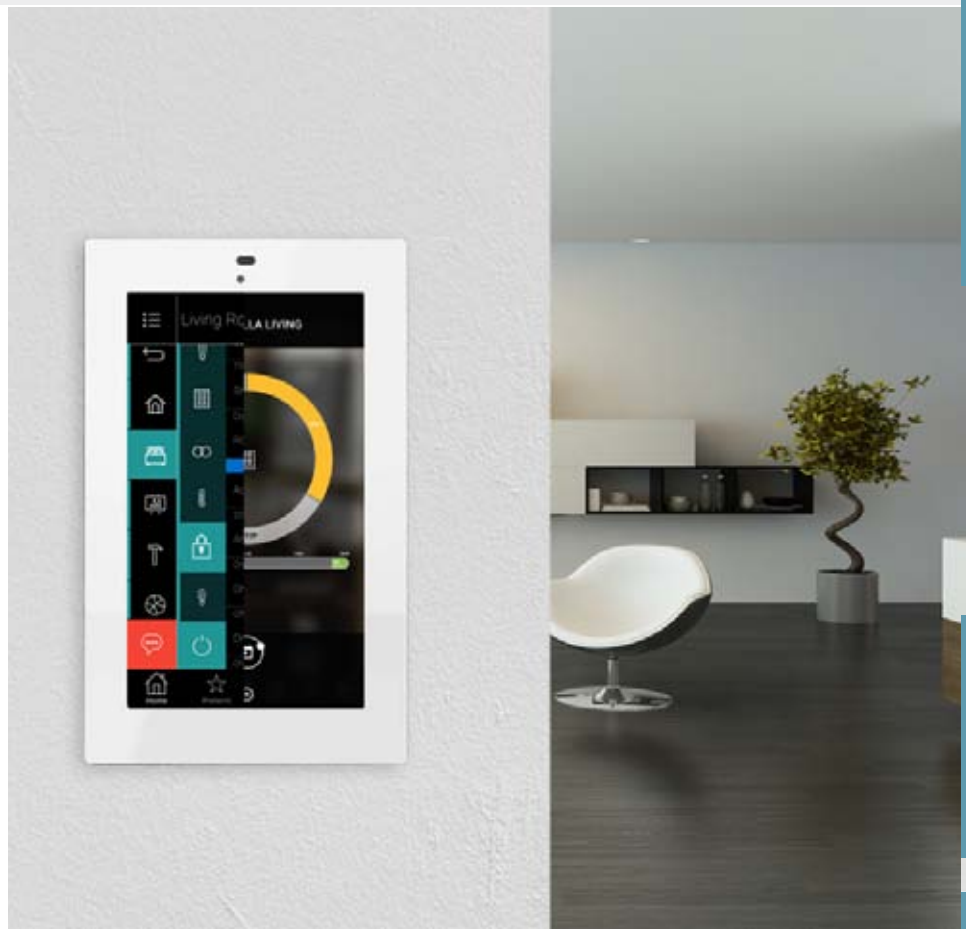
## Touch Panels

### IP TOUCH PANEL 5"

### IP TOUCH PANEL 8"

New range of wall-mounted touch wall panels.

Exceptional graphics with Horizone supervision: both on the small 5", compact and versatile, and on the more generous 8", full control of every aspect of the building.



# products overview

Actuators, dimmers, sensors, system components

## Actuators Input - Output

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

| Model   | Installation Type | Dimensions (DIN Modules) | Relay Rating | Outputs | Digital Inputs | Analog Inputs | Load Control | Shutters / Venetians Control | Advanced control shut. venet. | Fancoil 2 Pipes 1/2/3 Speed | Fancoil 4 Pipes 1/2 Speed | Fancoil 4 Pipes 3 Speed | Electric Valve | Motor reductor valve | Thermostat logic | Max interlocks | SD Card | Simultaneous control | Staircase function | Logic Function | IR Receiver |
|---------|-------------------|--------------------------|--------------|---------|----------------|---------------|--------------|------------------------------|-------------------------------|-----------------------------|---------------------------|-------------------------|----------------|----------------------|------------------|----------------|---------|----------------------|--------------------|----------------|-------------|
| BI16F01 | DIN-Rail          | 8                        | N/A          | 0       | 16 **          | 0             |              |                              |                               |                             |                           |                         |                |                      |                  | 0              |         |                      |                    | 16             |             |
| IO32    | In-Wall           |                          | 10A          | 2       | 2              | 1             | ▪            | ▪                            |                               |                             |                           |                         |                |                      | ▪                | 0              |         |                      | ▪                  |                | ▪           |
| IO04F01 | DIN-Rail          | 4                        | 16A          | 4       | 4              | 4*            | ▪            | ▪                            | ▪                             | ▪                           | ▪                         |                         | ▪              |                      | ▪                | 4              | ▪       | ▪                    | ▪                  |                |             |
| IO08F01 | DIN-Rail          | 4                        | 16A          | 8       | 8              | 4*            | ▪            | ▪                            | ▪                             | ▪                           | ▪                         | ▪                       | ▪              | ▪                    | ▪                | 8              | ▪       | ▪                    | ▪                  |                |             |
| IO12F01 | DIN-Rail          | 6                        | 16A          | 12      | 12             | 4*            | ▪            | ▪                            | ▪                             | ▪                           | ▪                         | ▪                       | ▪              | ▪                    | ▪ (3)            | 6              | ▪       | ▪                    | ▪                  |                |             |
| IO16F01 | DIN-Rail          | 8                        | 16A          | 16      | 16             | 4*            | ▪            | ▪                            | ▪                             | ▪                           | ▪                         | ▪                       | ▪              | ▪                    | ▪ (2)            | 8              | ▪       |                      | ▪                  |                |             |
| BO04K01 | DIN-Rail          | 4                        | 16A          | 4       | 0              | 0             | ▪            | ▪                            | ▪                             |                             |                           |                         |                |                      |                  | 0              |         | ▪                    | ▪                  | ▪ (8)          |             |
| BO08K01 | DIN-Rail          | 6                        | 16A          | 8       | 0              | 0             | ▪            | ▪                            | ▪                             |                             |                           |                         |                |                      |                  | 0              |         | ▪                    | ▪                  | ▪ (8)          |             |
| BO12K01 | DIN-Rail          | 8                        | 16A          | 12      | 0              | 0             | ▪            | ▪                            | ▪                             |                             |                           |                         |                |                      |                  | 0              |         | ▪                    | ▪                  | ▪ (8)          |             |
| BO04F01 | DIN-Rail          | 4                        | 16A          | 4       | 0              | 0             | ▪            | ▪                            | ▪                             | ▪                           | ▪                         |                         | ▪              | ▪                    |                  | 4              | ▪       | ▪                    | ▪                  |                |             |
| BO08F01 | DIN-Rail          | 4                        | 16A          | 8       | 0              | 0             | ▪            | ▪                            | ▪                             | ▪                           | ▪                         | ▪                       | ▪              | ▪                    |                  | 8              | ▪       | ▪                    | ▪                  |                |             |
| BO12B01 | DIN-Rail          | 6                        | 16A          | 12      | 0              | 0             | ▪            | ▪                            | ▪                             | ▪                           | ▪                         | ▪                       | ▪              | ▪                    |                  | 6              | ▪       | ▪                    | ▪                  |                |             |
| BO16F01 | DIN-Rail          | 8                        | 16A          | 16      | 0              | 0             | ▪            | ▪                            | ▪                             | ▪                           | ▪                         | ▪                       | ▪              | ▪                    |                  | 8              | ▪       | ▪                    | ▪                  |                |             |
| BO24F01 | DIN-Rail          | 12                       | 16A          | 24      | 0              | 0             | ▪            | ▪                            | ▪                             | ▪                           | ▪                         | ▪                       | ▪              | ▪                    |                  | 6              | ▪       | ▪                    | ▪                  |                |             |

## Dimmer

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

## Push Button Interfaces

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



## actuators [inputs - outputs]

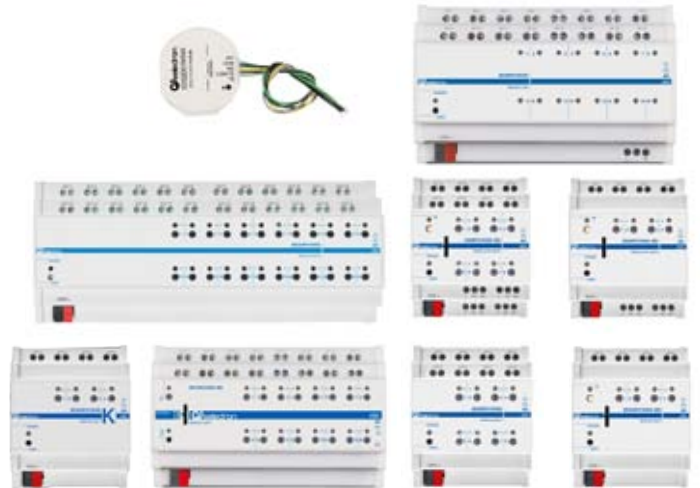
Inwall 3 inputs /2 outputs module IO32D01KNX

DIN Rail Universal Modules Plus  
4-8-12-16 **inputs** / **outputs** with & without  
micro SD card F\_Series

4-8-12-16-24 **outputs** with & without  
micro SD card

DIN module 16 digital inputs BI16F01KNX

DIN Rail Universal Modules  
4-8-12 **outputs** K\_Series



## dimmer

1 Channel x 700w (master & slaves) DM01D01KNX - DM01D01ACC

2 or 4 Channels x 300w DM02A02KNX - DM04A02KNX

4 Channels LED / RGB W DL04A01KNX

4 Channels 1-10v DM04D01KNX



## push Button Interfaces

Push Button Interfaces

2 - 4 - 6 Inputs / 2 Outputs Led

IO22D01KNX  
IO44D01KNX  
IO62D01KNX

Push button interface

Analog/digital interface 8 Inputs / 4 Outputs Led  
and thermostat function

AD84C01KNX



## climate control

Electrothermal valves module - 4 channels

HA04A01KNX

Electrothermal valves module - 8 channels

HA08A01KNX

Valves & Loads Actuator 8 inputs / 4+4 outputs

HA88B01KNX

Fancoil Controller 0-10v

TC17B01KNX

Universal Fancoil Controller 0-10v

TC57A01KNX

Valve drive

VD21A01KNX



## presence detectors and multisensors

Presence detector **Basic**, White/Black

PD00E00KNX / -3

Presence detector **Standard** with lighting control, White/Black

PD00E01KNX / -3

Presence detector **High Bay** with lighting control, White/Black

PD00E09KNX / -3

Presence detector **Multi.Sensor** - lighting control, temperature, humidity, sound sensor, White/Black

PD00E02KNX / -3

Presence detector **Space.Sensor** with lighting control, temperature, humidity, sound sensor, occupancy and activity function, White/Black

PD00E03KNX / -3

**BLE.Sensor** with lighting control, temperature, humidity, sound sensor, occupancy, activity function and BLE beacon, White/Black

Plugin Sensor - CO<sub>2</sub> + temperature

SM03E01ACC / -3

Plugin Sensor - VOC+eCO<sub>2</sub> + temperature

SM03E02ACC / -3

Presence Detector Wide Range

PD00E20KNX / -3

Corridor Presence Detector

PD00E21KNX / -3



## Gateway KNX

DALI Gateway

IC00P01DAL

DALI Gateway Tunable White

IC00P02DAL

DALI Gateway TW 2 CH

IC02D01DAL

DMX Gateway

IC00B01DMX



## energy meters

Energy meter single or three phase

MID

PM00A00IRI + PM10E02IRE

PM00A00IRI + PM30E01IRE

PM00A00IRI + PM30E02IRE



## system components & interfaces

Power Supply 640mA

PS00D03KNX

Power Supply KNX 1280mA

PS00D04KNX

DIN USB Interface

IN00A03USB

IP-KNX **Secure**

IN00S01PI

Router IP-KNX **Secure**

IN00S01RIP

Line coupler DIN Bus KNX

LC00B01KNX

Time/astronomical Master

ES01A00KNX



## OTOMO system components

|                                                                                                                |            |
|----------------------------------------------------------------------------------------------------------------|------------|
| DALI Module 2 channels x 8 ECG Broadcast                                                                       | IO14A01BLE |
| IO42 Module (4 IN + 2 OUT)                                                                                     | IO42A01BLE |
| IO41 Module (4 IN + 1 OUT)                                                                                     | IO41A01BLE |
| IO40 Module (4 IN + 0 OUT)                                                                                     | IO40A01BLE |
| Brightness & Temperature Sensor                                                                                | BT01A01OTO |
| Presence & light sensor 2 channels                                                                             | PD02X01CON |
| BEACON - Allows the recognition of the presence of a user in an environment in place/in lack of mobile devices | BE01AxxACC |
| OTOMO-KNX Gateway                                                                                              | IN00A01BLE |
| OTOMO-IP-MODBUS Gateway                                                                                        | IN00C01BLE |



## access control - hospitality

|                                  |                                          |
|----------------------------------|------------------------------------------|
| Transponder Reader 9025          | TR00C01KNX-1 / -3M<br>TR00C01KNX-3 / -3M |
| Transponder Holder 9025          | TH00C01KNX-1 / -3M<br>TH00C01KNX-3 / -3M |
| Transponder Reader Synchronicity | TR22A19KNX<br>TR22A29KNX                 |
| Transponder Holder Synchronicity | TH22A19KNX<br>TH22A29KNX                 |



## e-Suite Guest Room Management System

Software for hotel management, for the supervision of KNX environments and for access and alarm control



HORIZONE



Virtual Badge



## weather station

|                          |            |
|--------------------------|------------|
| Weather station KNX Plus | WS00A01KNX |
|--------------------------|------------|





Eelectron S.p.A. is a Italian company that manufactures hardware and software of electronic devices compliant with worldwide KNX standards.

For more than 20 years Eelectron is, in the national scene, a role model of technological leadership in the application of the KNX international protocol for building& home automation.

Eelectron, with its branch offices in **China, Middle East and Spain**, distributes its systems in over **80 countries worldwide**.



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