eelectron®



Our journey towards a sustainable future with smart automation: reducing emissions, enhancing energy efficiency, and optimizing security while improving user experience as occupant and as building operators



Building&Home evolution

building & home evolution



The growing interconnection among individuals creates a future where technology is not just a tool but an integral part of daily life

...since 1995



One team for Design & Technology

5 Locations

2 R&D Production
eelectron Italy and IPAS Germany

90+ Countries



Compliancy to standards

ISO 9001 since 2006

ISO 14001 since 2024

100% tested products

KNX and DALI certified

Eelectron SpA is a Training Center certificated by KNX Association: basic, advanced and HVAC courses.

Evolving portfolio for continue contribution to

UX for Occupants | 9 Design awards across 5 switch & sensors lines, all customizable

Energy & Green | 350+ intelligent connected devices, 100% tested in production

Smart Buildings | 2 secure global standards for building applications DALI & KNX

Enabling Applications | since 2016 products with 2 Mobile & Digital standards MQTT & BLE







Applications
Vertical Markets Solutions
Geographies

Secure and interoperable solutions for occupant wellbeing and building management, with support throughout the building lifecycle, from installation to maintenance. Adaptable to vertical markets to meet evolving needs.

Collect,
Aggregate,
Share and Present

Our smart building automation ensures seamless integration through connected, interoperable, and secure systems. By generating big data, we enable powerful digital applications, optimizing efficiency, sustainability, and performance.

Assistance
& Support

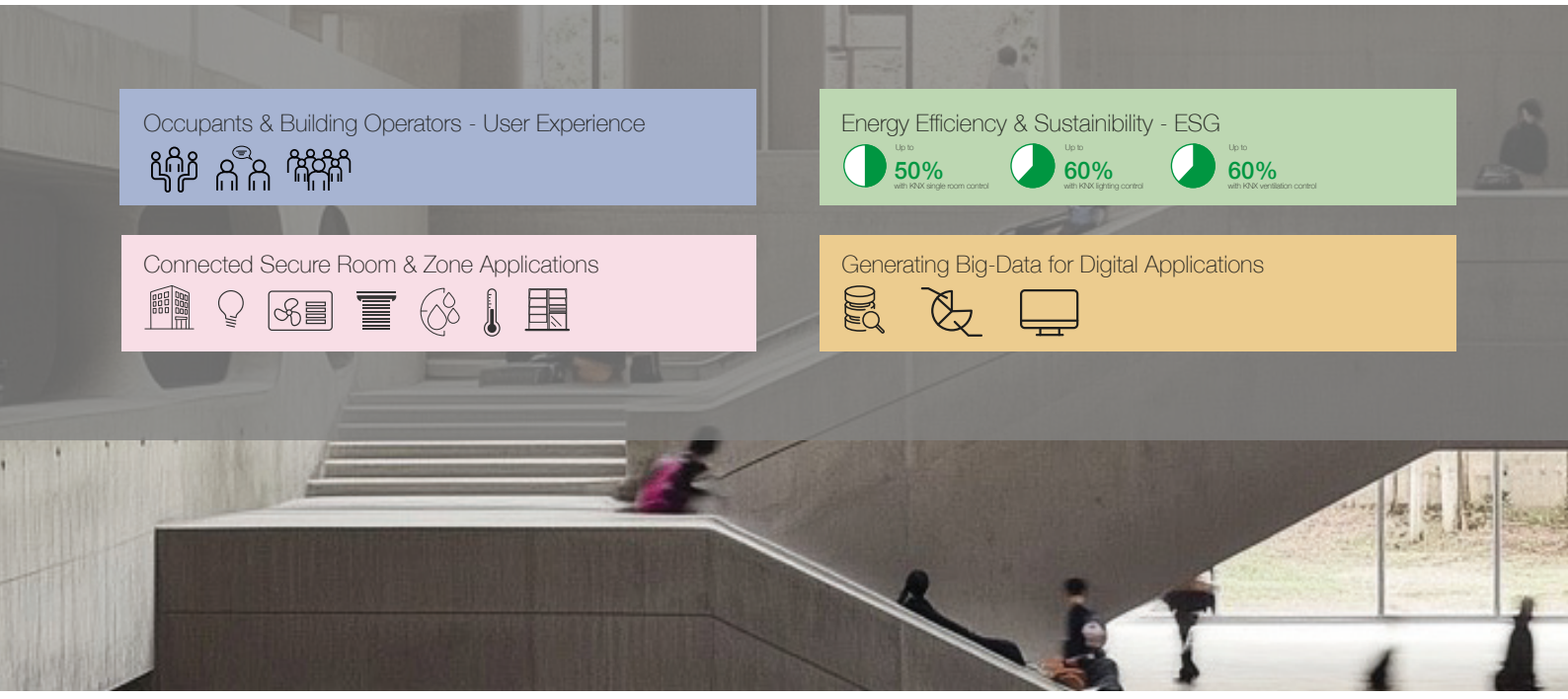
We ensure cooperation through early engagement, offering pre-sales assistance, post-sales extensions, and virtual or on-site training for seamless implementation and long-term success.



building evolution

Easy to design, engineer, and maintain smart buildings of any size, including commercial spaces, offices, hospitals, hotels, museums, and public buildings. Offers building management with **continuous, integrated control**, **reducing energy costs and improving efficiency**.Increases **occupant comfort** and safety while **enhancing quality of life**.

Reduces energy consumption and **minimizes the building's environmental impact** for the benefit of all.



INTEGRATION

BRIGHTNESS CONTROL

CONSTANT DIMMING

PRESENCE DETECTION

HVAC CONTROL

BLINDS AND SHADES CONTROL



From comfort to wellness, increase energy efficiency and sustainability with scalable applications for a better quality of life.

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

- ✔ Real time integrated control
  simple and efficient control by application
  modularity and flexibility to best adapt around occupants

- ✔ Environmental parameters detection
  - enhanced automatic shading control based on sun position tracking/season
  - CO_2 / V.O.C. detection and management of air recirculation
  - humidity and sound detection for environmental optimization

- ✔ 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

- ✔ Integration with third party BEMS/BACS/Supervision, Digital & Mobile Apps

HUMAN CENTRIC LIGHTING

AIR QUALITY

ENERGY CONSUMPTION MONITORING

CONFIGURABLE SMART LOGICS

SUPERVISION

REMOTE CONTROL

OL-U multisensor

GERMAN DESIGN AWARD WINNER 2025

reddot winner 2024

Efficient, intuitive, elegant, customizable

The OL-U series multisensor is a KNX Secure device that, thanks to its capabilities for detecting temperature, humidity, and CO_2, contributes to occupants' comfort with an award-winning design.

Precise control of environmental conditions reduces energy waste, improving the overall efficiency of HVAC and ventilation systems. This solution not only ensures occupant comfort but also meets energy sustainability and cost-containment objectives.

The device is also equipped with a modern display with multiple icons, adjustable backlighting, and a capacitive bar with an innovative swipe function, all programmable by the KNX tool (ETS).





KNX SECURE

> available in Black or White, in Regular version

MO04A01KNX

OL-U Multisensor 4 Buttons - RGB Swiper [CO2 - Humidity - Temperature].

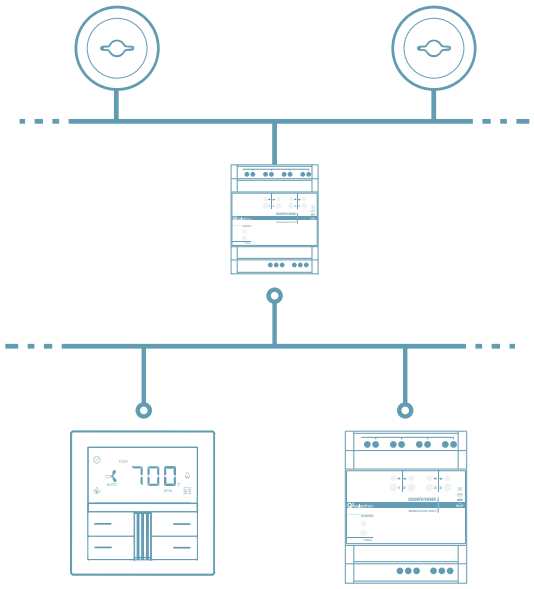
4 mechanical Buttons (4 channels) on/off, dimmer, shutters and blinds, or other programmable command and control functions.



Why **occupancy** based control

The state of the art in room or zone control requires **interoperability** between devices that measure and control in real time **comfort**, **lighting**, **blinds**, etc.

Real-time management of **temperature**, **brightness** controllable with an easy-to-use experience, success thermostat and switch lines enables an improved 'day in the life' for the occupant and the building manager based on **occupancy and environmental conditions**, optimising equipment operating times.

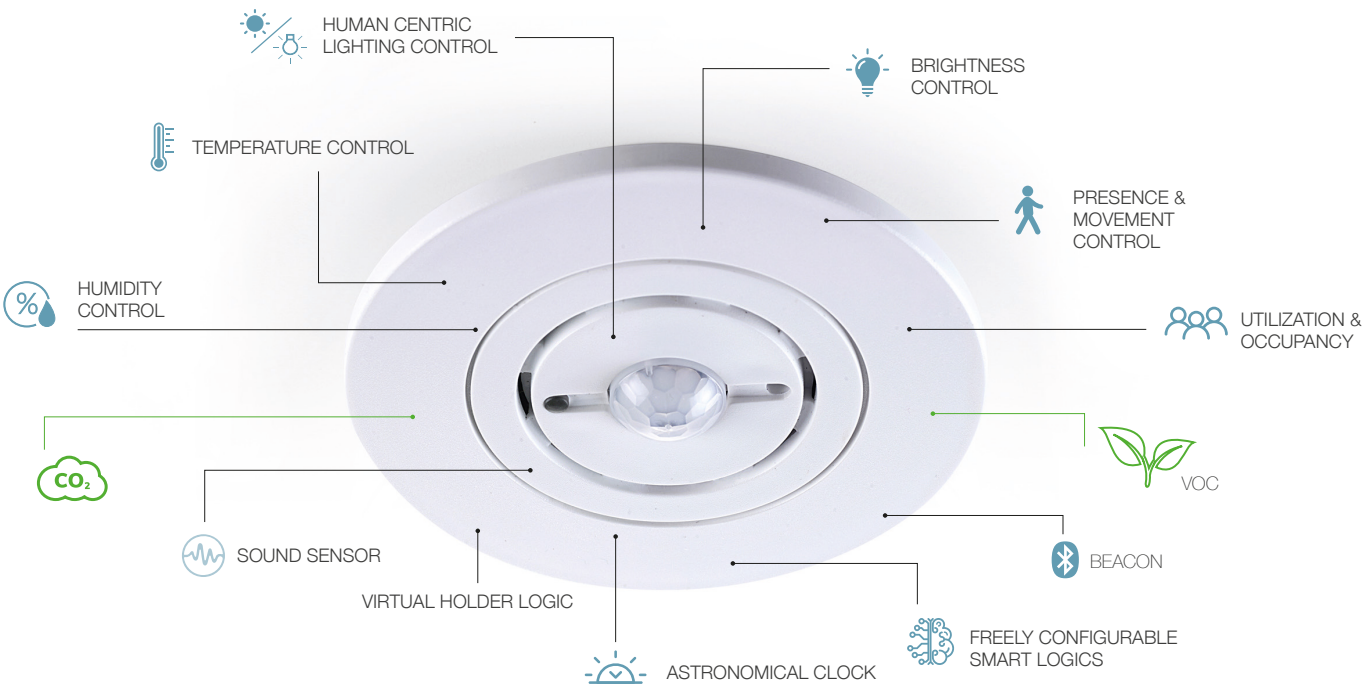


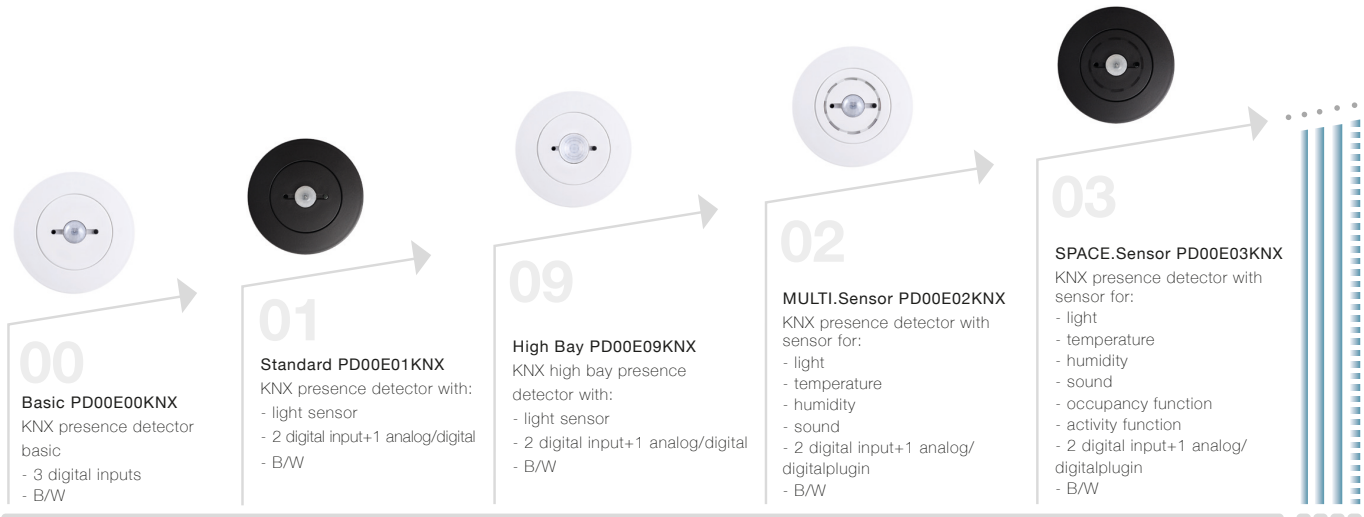
multi.sensor KNX

DESIGN PLUS
powered by: light+building
2020

Innovative, smart, reliable, modular

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.





00

Basic PD00E00KNX
KNX presence detector basic
- 3 digital inputs
- B/W

01

Standard PD00E01KNX
KNX presence detector with:
- light sensor
- 2 digital input+1 analog/digital
- B/W

09

High Bay PD00E09KNX
KNX high bay presence detector with:
- light sensor
- 2 digital input+1 analog/digital
- B/W

02

MULTI.Sensor PD00E02KNX
KNX presence detector with sensor for:
- light
- temperature
- humidity
- sound
- 2 digital input+1 analog/ digitalplugin
- B/W

03

SPACE.Sensor PD00E03KNX
KNX presence detector with sensor for:
- light
- temperature
- humidity
- sound
- occupancy function
- activity function
- 2 digital input+1 analog/ digitalplugin
- B/W

> all models available both in Black or White version



Wide range
PD00E20KNX
temperature,
lighting control

detection range **Ø 24 M**
3 pir inside

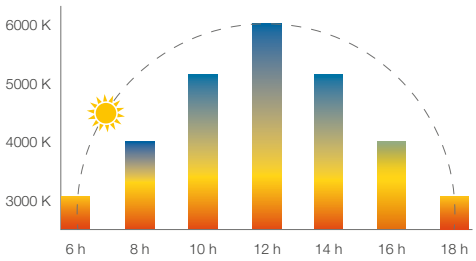


Corridor
PD00E21KNX
temperature,
lighting control

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

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.



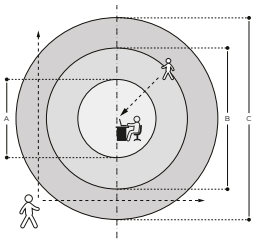
SM03E03ACC
Temperature sensor, **VOC** sensor and **CO_2** sensor to measure **indoor air quality (IAQ)**
B/W

SM03E02ACC
Temperature sensor, **VOC** sensor and CO_2 equivalent (**eCO_2**) measurement
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

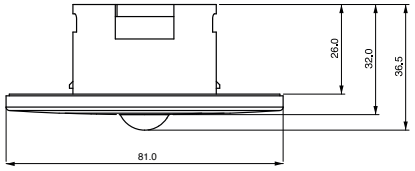


BASIC - STANDARD - MULTI - SPACE

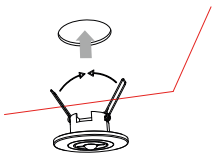
h	A	B	C
2.5 m	3.8 m	7.0 m	10.0 m
3.0 m	4.0 m	8.0 m	12.0 m
3.5 m	5.0 m	9.0 m	13.0 m
4.0 m	6.0 m	11.0 m	14.0 m

elegant flat design

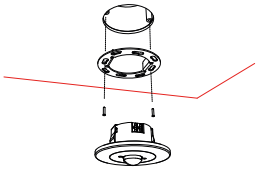
Top functionality combined with design



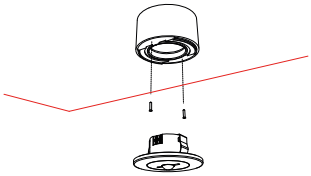
flexible installation



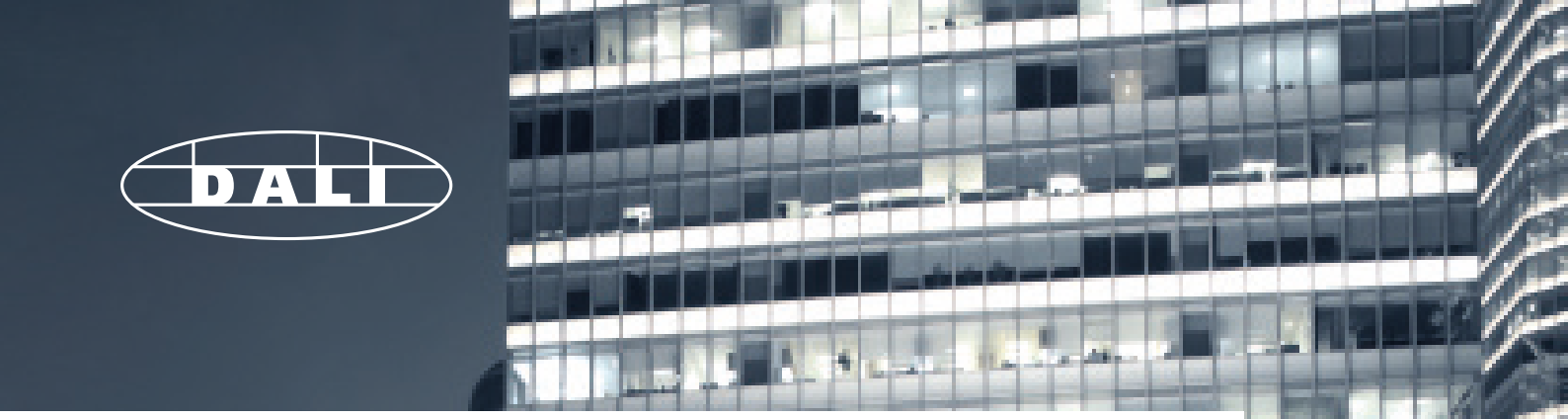
Ceiling installation. Stability granted by the spring clips, hidden by the ceiling mounting.



Flush-mounted with Box mounting frame.



Surface installation with the surface mounting enclosure.



illuminating the future

The power of DALI in Digital Lighting Solutions

The “**Digital Addressable Lighting Interface**” (DALI) is a communication protocol for lighting applications in buildings, independent of the manufacturer and defined in the IEC 62386 standard.

It is used for communication between **lighting control devices**, such as electronic ballasts, light sensors or motion detectors, ensuring the interoperability of the devices.



The DALI-2 presence sensors STANDARD and MULTISENSOR include a **brightness sensor** for environmental lighting control. The MULTISENSOR version include **humidity** and **temperature** sensors with the associated control algorithms and a sound sensor that can be used to facilitate presence detection in rooms with areas not totally visible to the sensor.



PD00A01DL2
DALI-2 Presence Detector **Standard** with Lighting Control
B/W



PD00A02DL2
DALI-2 Presence Detector **MultiSensor** with Lighting Control, temperature, Humidity, sound
B/W

FOCUS ON PRODUCT



PB40A01DL2
DALI-2 Push Button Interface 4 INPUT



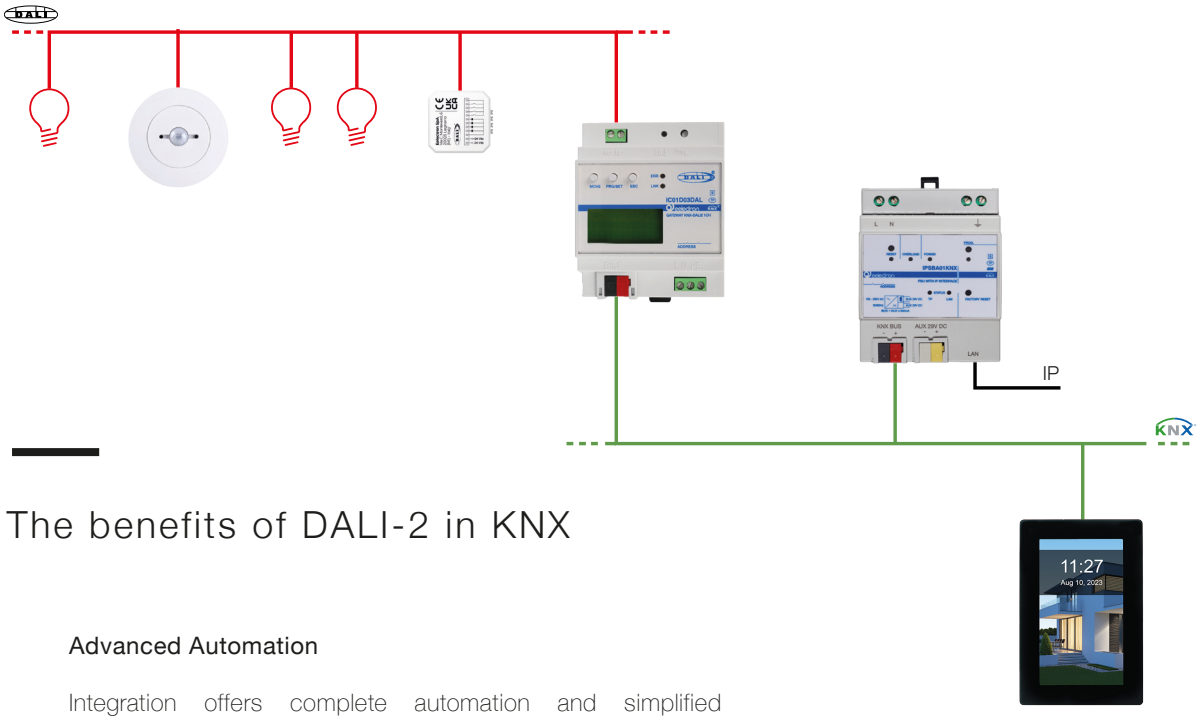
PB44A01DL2
DALI-2 Push Button Interface 4 INPUT/4 LED

The pushbutton interfaces integrate up to four conventional lighted pushbuttons into one DALI channel, managing different buttons states.

The PB44A01DL2 version also integrates 4 LEDs which can be powered by connecting the interface to an auxiliary line, reducing consumption on the BUS.

DALI-2 Interoperability with KNX and others

Among DALI-2 integration capabilities, installations with KNX connectivity represent smart building automation, combining the advantages of both technologies. This enables advanced lighting control, leveraging the flexibility of KNX to complement space automation with tailored and modular applications that are easy to program, modify, and expand throughout the building's lifecycle.



The benefits of DALI-2 in KNX

Advanced Automation

Integration offers complete automation and simplified management of lighting, HVAC and others like sunblinds, with unified user experience and synergies during the daily operation.

Scalability and Flexibility

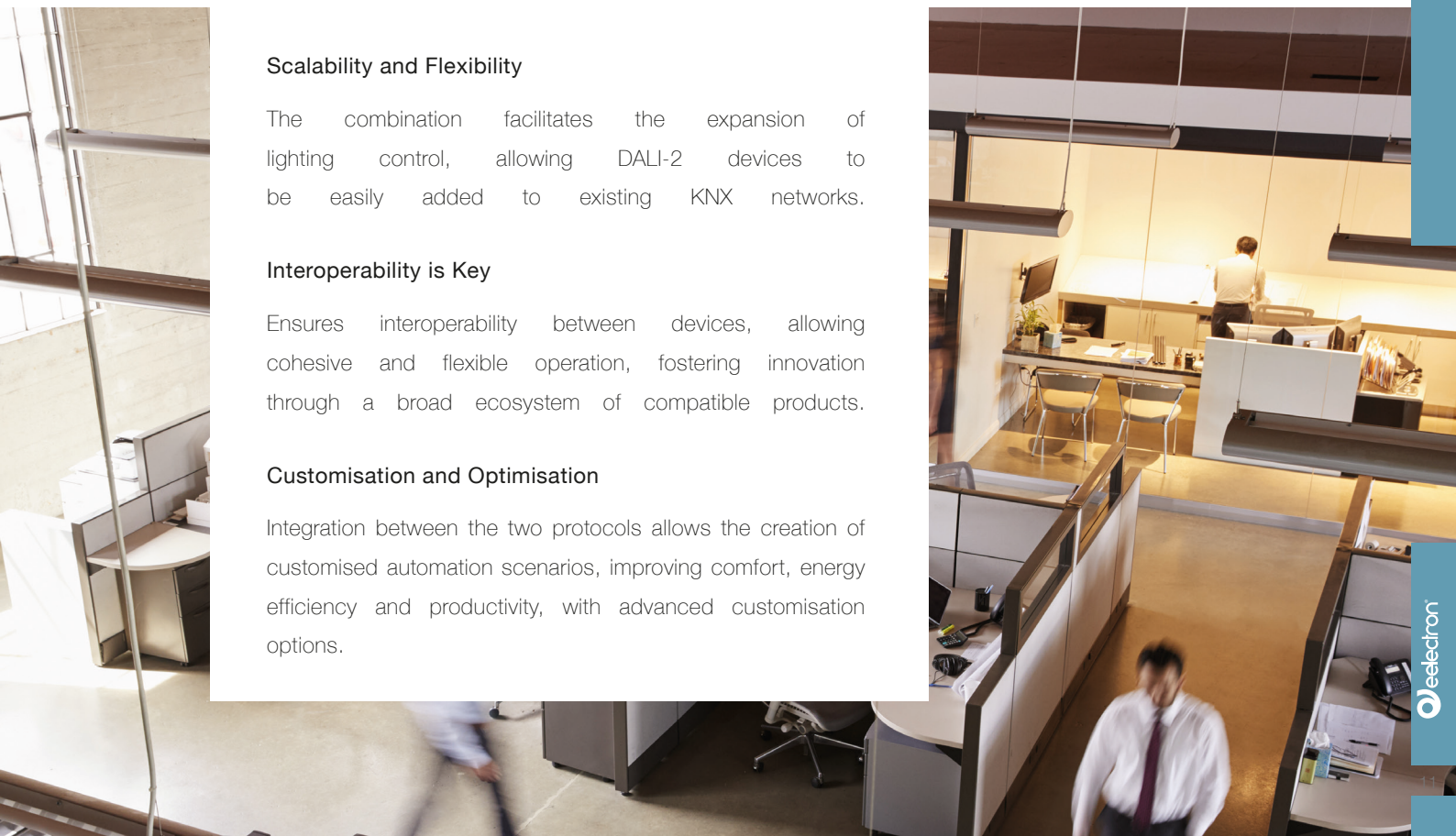
The combination facilitates the expansion of lighting control, allowing DALI-2 devices to be easily added to existing KNX networks.

Interoperability is Key

Ensures interoperability between devices, allowing cohesive and flexible operation, fostering innovation through a broad ecosystem of compatible products.

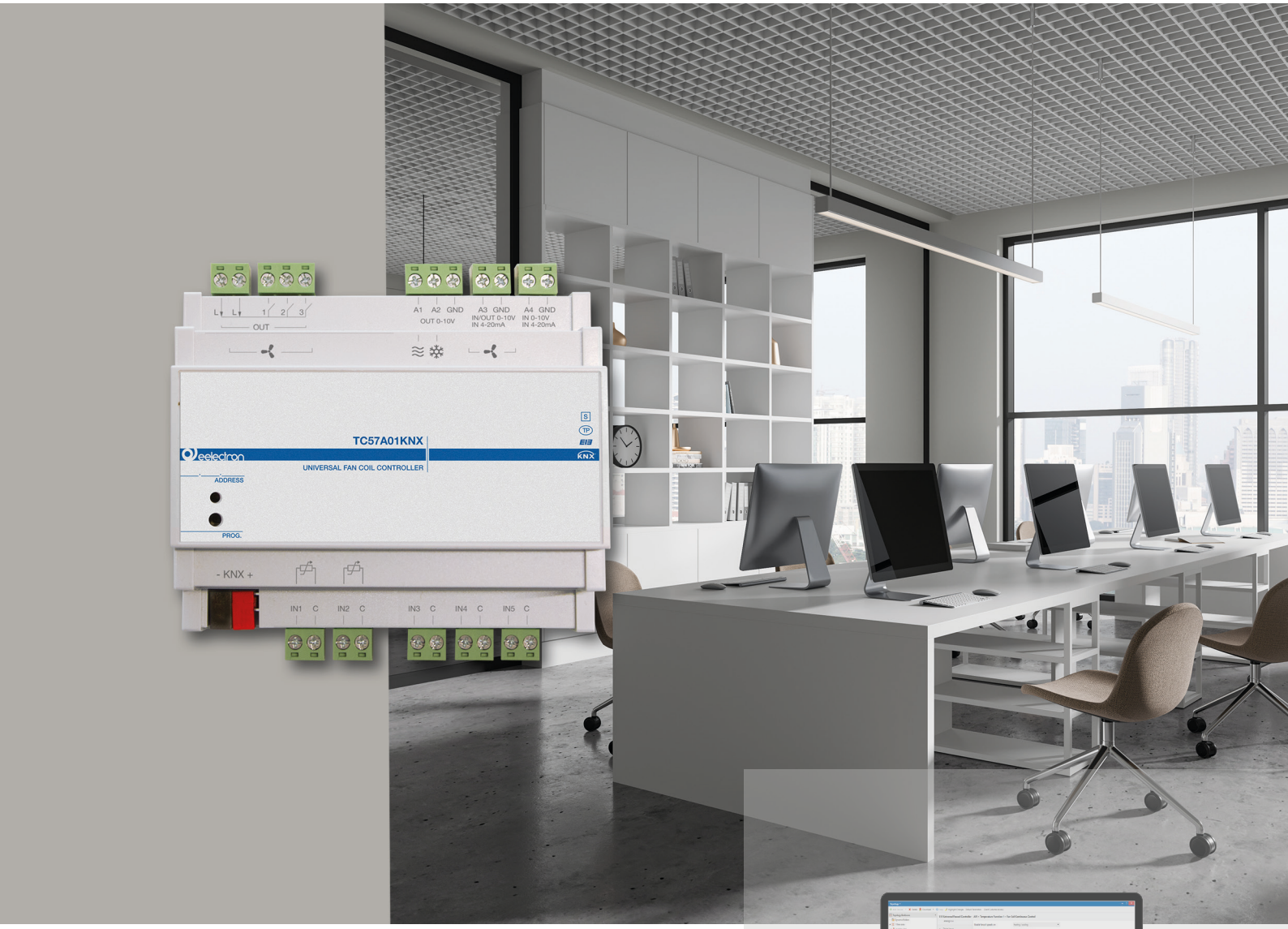
Customisation and Optimisation

Integration between the two protocols allows the creation of customised automation scenarios, improving comfort, energy efficiency and productivity, with advanced customisation options.

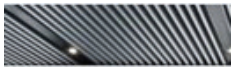


wellness, energy efficiency, sustainability

Modular room automation, comfort focus

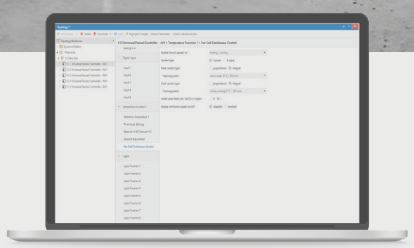












- Easy to program via ETS® 6.X
- Flexible range of HVAC applications
- Ability to control LIGHTS, SHUTTERS
- Advanced logics and other functions
- Ready to connect in BEMS/BACS system

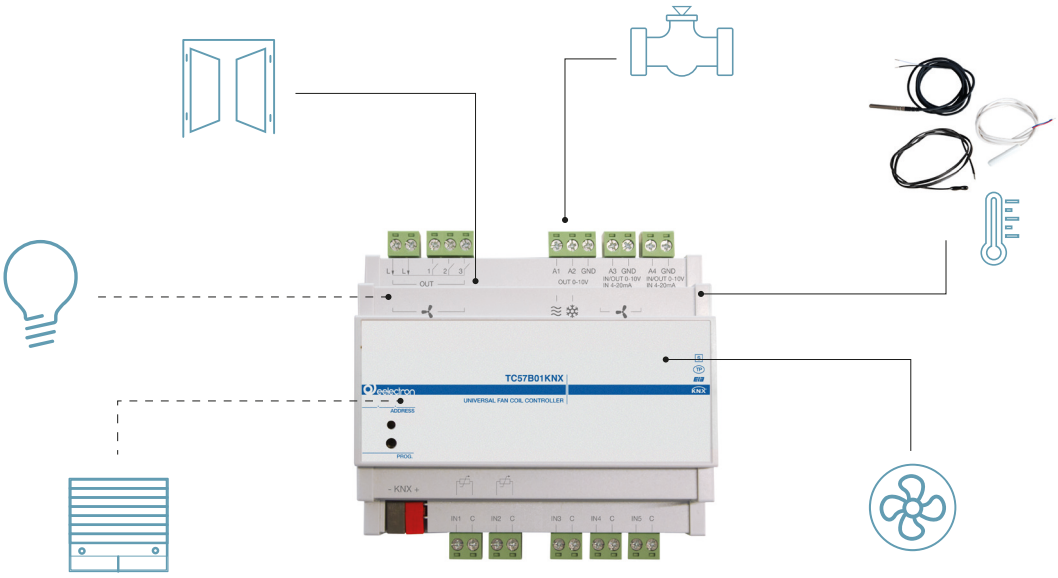
State of art Universal FCU Controller

An interoperable controller for room automation.

It covers modern needs for FCU applications with 0-10V actuators, variable speed fans, ...

can contribute to energy efficent and sustainable applications

KNX powered and interacting with other devices over KNX bus.



The **TC57A01KNX** (3AO) and **TC57B01KNX** (4AO) device is a DIN rail EIB / KNX actuator for fancoil and other control, using 0-10V or up to 16A Relay such as valves, fan, dumpers…

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

Examples of APPLICATIONS:
0-10V variable speeds
2 x 0-10V Valves
NTC temperature probes

the future of Home
& Building Automation is now

The bridge platform

The Bridge is a device that combines a **KNX power supply** (640mA) with an **IP interface** and acts as an MQTT client, offering a 'bridge' from the KNX world to the IoT world.

KNX and MQTT enable the creation of efficient, scalable, secure and reliable IoT systems, offering greater interoperability and flexibility in the creation of solutions and services.

The device IPSBA01KNX offers some interesting features, such as:



- KNX Data Secure
- Power Fail Counter
- Over Voltage & Over Current monitoring
- OnLine-OffLine KNX TP devices detection
- Weekly Clock
- 48 logic blocks
- Virtual Logic
- ETS® Programming



IPSBA02KNX
KNX Bridge with IP interface
and KNX+AUX power supply



IPSBA03KNX
KNX Bridge with IP Interface And
Power Supply KNX + AUX 640ma
- KNX Secure, E-Lock-IF



MQTT, Secure and Standard for IoT Messaging



MQTT, developed for telemetry in remote environments, is a protocol that enables **asynchronous communications**, essential for **rapid data transmission in IoT ecosystems**. Thanks to its scalable architecture, it can handle numerous KNX devices, making it ideal for global IoT environments.

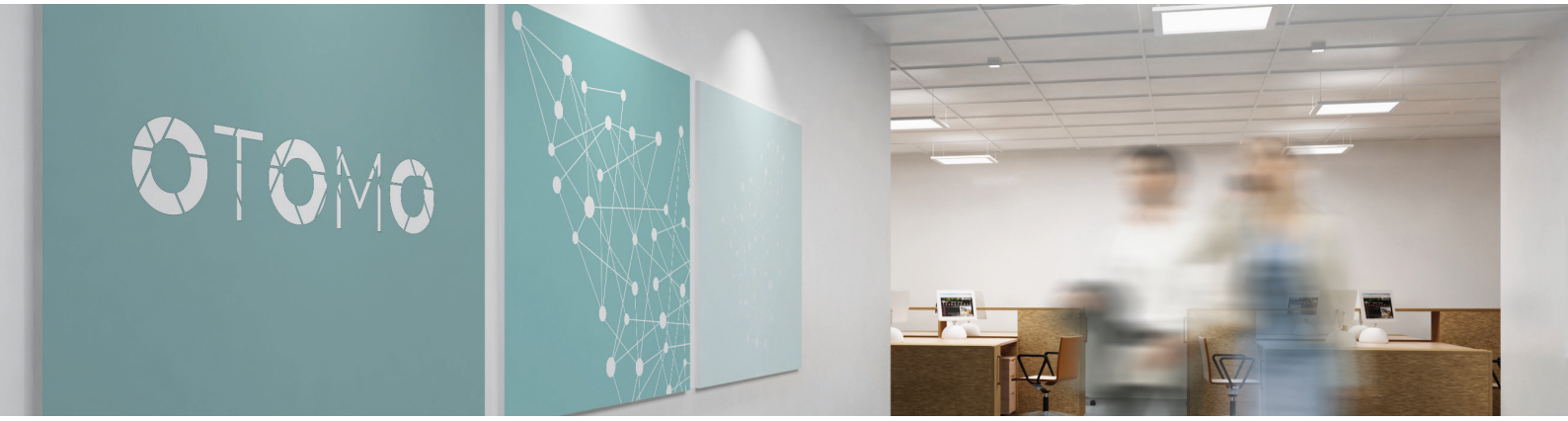
Since ratification as an OASIS (Organization for the Advancement of Structured Information Standards) standard, MQTT has been widely adopted in the automotive, healthcare, hospitality and smart home sectors to ensure efficient communication.

supervision **environment**



A modern and efficient building, compliant with current regulations, requires the implementation of supervision systems that enable the integration of standard protocols such as KNX and ModBus.

Thanks to Eelectron supervision systems, it is possible to control and monitor the installation both locally and remotely, via a web page or a dedicated application. Additionally, users can manage scenarios, scheduling, logic, and notifications, allowing them to be fully autonomous in handling their system, whether it is a home, a commercial building, or a hospitality facility.



OTOMO

DALI

Bluetooth™

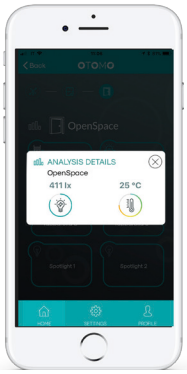
OPTIMIZED OFFICE AUTOMATION

OTOMO® is an innovative office system consisting of electronic devices and lamps with environmental sensors. It detects the presence of users to optimise lighting, save energy and control climatic parameters. It uses Bluetooth® technology to create a wireless network, easily programmable via smartphone or tablet.

With Bluetooth Low Energy® and IoT sensors, OTOMO® improves well-being and environmental quality with a wireless solution. Easy to install, it is a scalable and cost-effective proposition that minimises programming tasks and required skills.

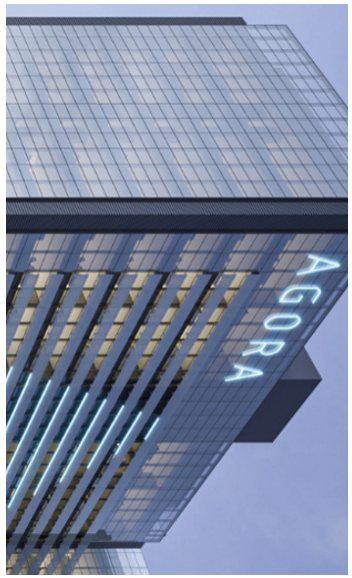
Integratable with KNX via OTOMO-IP-MODBUS Gateway, it offers efficient and innovative energy optimisation.

- LIGHTING / CONSTANT DIMMING
- BLINDS / SHADES
- GATES
- SHUTTERS



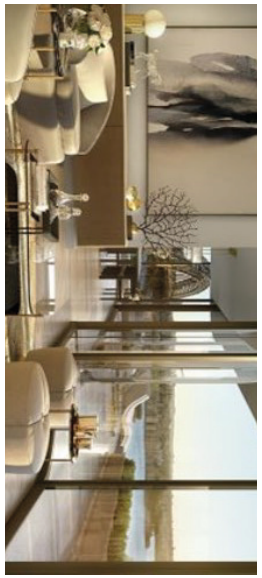
Project funded by Regione Lombardia
Bando Smart Living

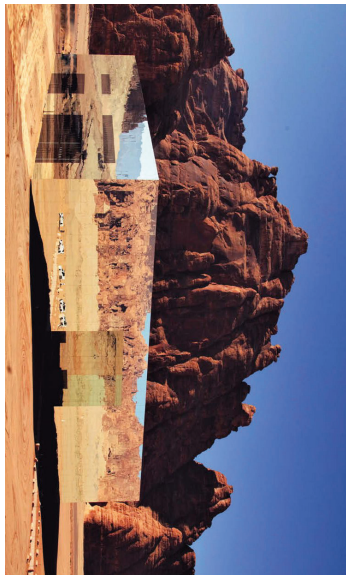




AGORA TOWERS OFFICE BUILDING

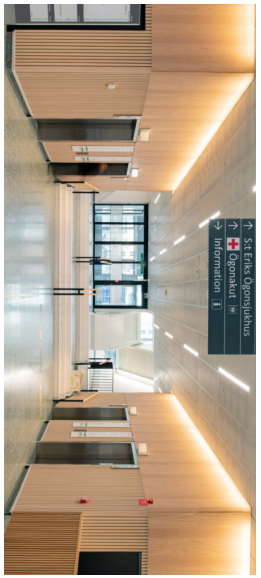
MADRID - (SPAIN)

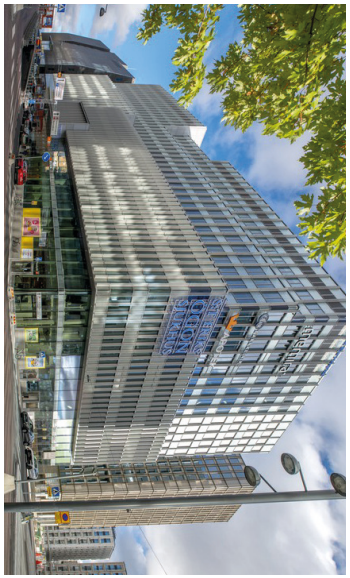




AL MARAYA CONCERT HALL

SAUDI ARABIA





ST. ERIK - EYE HOSPITAL

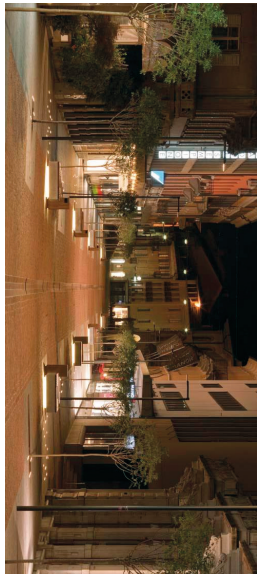
STOCKHOLM - (SWEDEN)





LIBRARY PIETRO ACCLAVIO

TARANTO - (ITALY)

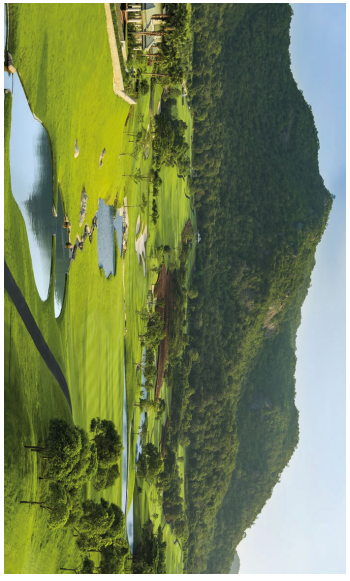




PARTE BASSA VIALE STAZIONE

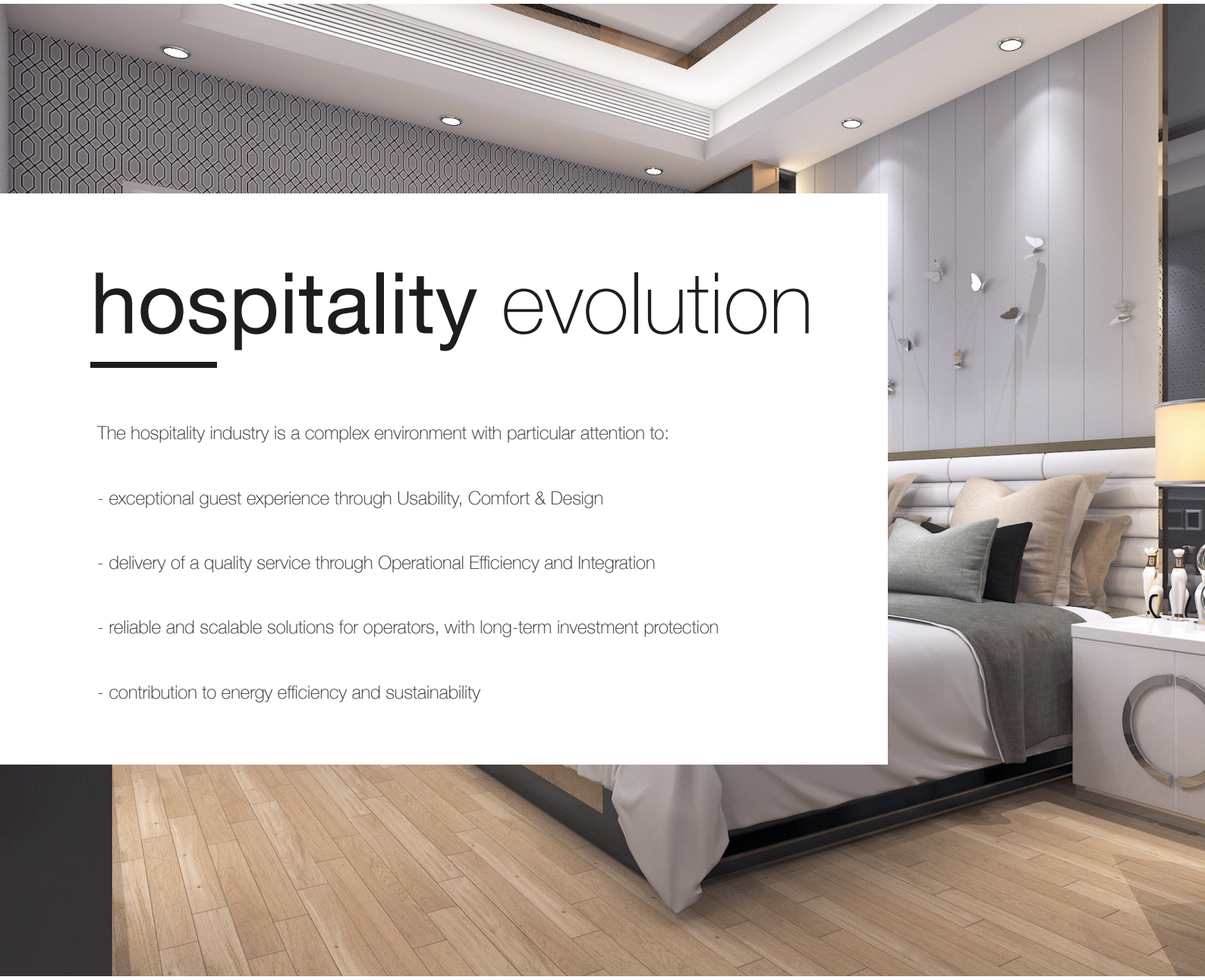
BELLINZONA - (SWITZERLAND)





BLACK MOUNTAIN GOLF CLUB

HUA HIN - (THAILAND)



hospitality evolution

The hospitality industry is a complex environment with particular attention to:

- exceptional guest experience through Usability, Comfort & Design

- delivery of a quality service through Operational Efficiency and Integration

- reliable and scalable solutions for operators, with long-term investment protection

- contribution to energy efficiency and sustainability

Hospitality Installations


Hotels


Resorts

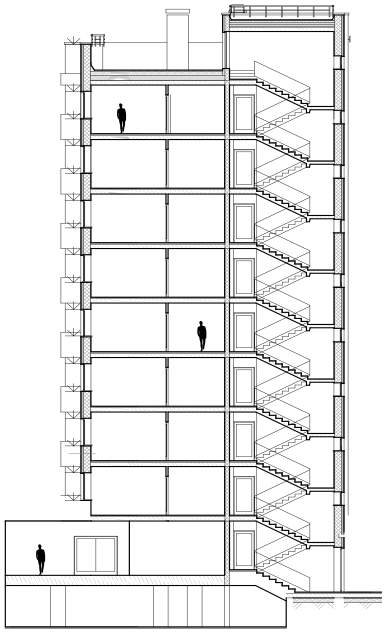

Cruise ships


Senrior Living Houses


B&B-Rented Apartments


Students Houses

Unique experience for guests & staff



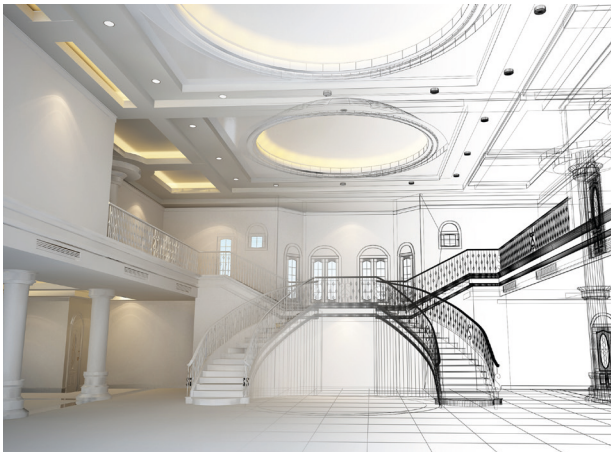
Hospitality is a complex environment (24/7):

✔ Welcome guest from reception to booked room

✔ Enjoying common and other areas, like restaurants and meeting rooms, while staying in hotels.

✔ Facilitating staff in assisting guests and visitors across the building in a smart hotel.







MY

HOSPITALITY DEVOTION

With **30 YEARS of EXPERIENCE** and everyday learning from hotel operators and managers, **MORE THAN 39.000 ROOMS** installed in **90 COUNTRIES WORLDWIDE**, rilevant references and a solid range of products, we are recognized as one of the leader in the **(KNX) HOTEL SOLUTION**, through evolving development of solutions and high experience on project, advising always the best to our customers.

Deploying a wide spectrum of dedicated solutions, Eelectron enables to contribute to energy savings and sustainability 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, now including secure.

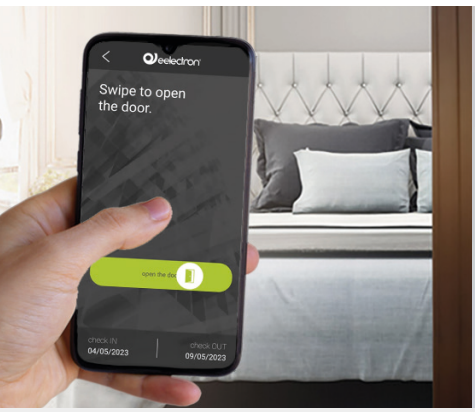
occupancy detection



Transparent control, evident comfort, secure enviroment

Our occupancy detection solution can understand guest presence in the room by using a DEDICATED PRESENCE SENSOR.
It detects 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 from other devices as results of interoperability and via 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.
Hotel staff may operate with different room control example: HVAC off as guest is not in.







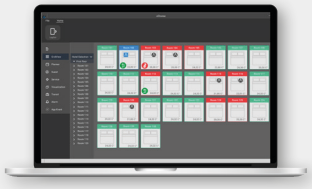


integration & connectivity

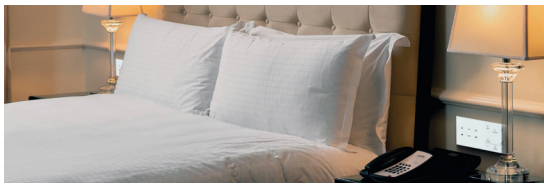
Shaking hands with professional subsystems

GRMS - Guest Room Management System can be integrated with the BEMS/BACS 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 ...)
- ✔ Integration avaiable to VRV/VRF, AV, modbus devices, MQTT Based Application
- ✔ E-lock connectivity room centric or API based



access **control** & **supervision**



Energy saving, guest and staff access under control

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

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

Virtual Badge app enables to manage doors opening/access and room control via the customer's mobile device.

9025
Welcoming Guests



TR00C02KNX-3
Transponder Reader



TH00C02KNX-3
Transponder Holder



KP10C02KNX
Numeric Keypad

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.

Safe energy management ensured through redundant power supplies which reduce load peaks and react to unexpected failures.



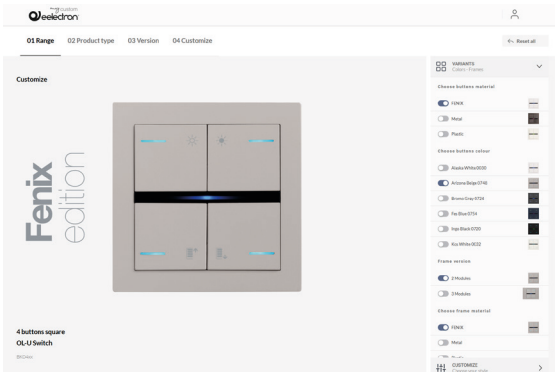
customization

Your style

mycustom.eelectron.com

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 ideated to meet customer applications and markets trends while keeping the highest quality standards for better lifecycle.





9025 | Switch



OL-U | Thermostat



OL-U | Double plate



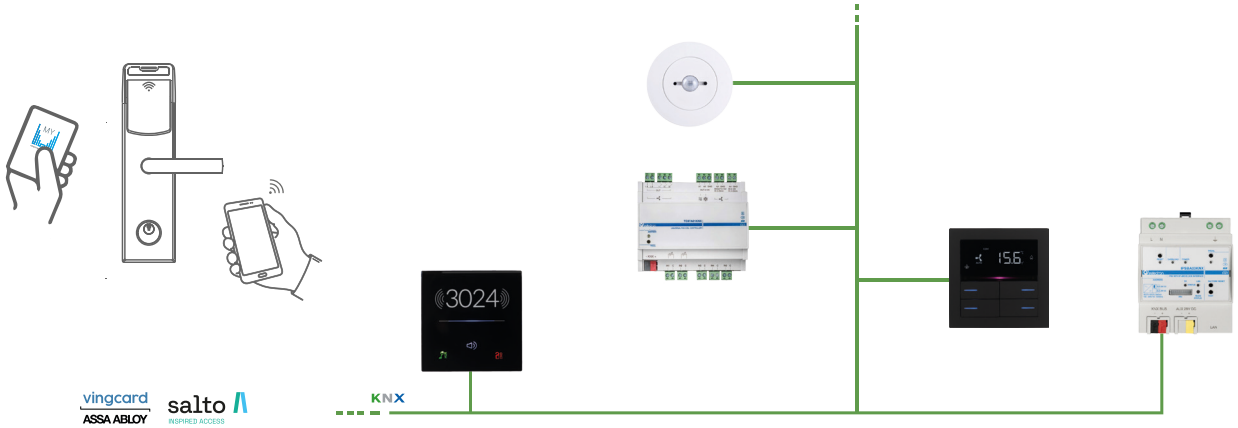
eelecta | Switch



3025 | Switch

when e-Locks are requested

Eelectron's e-Lock integration meets the growing demand for access control and smart integration in modern buildings. The approach eliminates the necessity for additional sensors or hardwiring, making installation effortless and significantly reducing operating costs. By harnessing access data from e-lock smart locking technology, the GRMS enhances its efficiency, delivering exceptional value and performance; properties can benefit from optimised operational efficiency and enhanced security, all while providing guest with an intuitive, state-of-the-art experience, providing hotels with intuitive, efficient, and environmentally friendly building management solution.



FOCUS ON PRODUCT

touch panels

4.3"



IP Connectivity

Intuitive and easy to program and use, the 4.3'' Touch Panel range is the ideal solution for monitoring and displaying any KNX installation. With an intuitive user interface, IP connectivity, video intercom function, scheduler, alarm and buzzer management, a wide range of widgets, and amazing touch functions.

The aesthetic sophistication that distinguishes Eelectron products makes them perfect for adapting to any type of hospitality environment.

The eTouch mobile app option is easy to activate with a QR code.

> available in Black or White version



multiple access add-on module

Eelectron's portfolio includes many devices to cover a variety of applications. The multiple access add-on module LM00C01KNX, interfacing with Eelectron devices for access control, allows differentiation of the actions of different users, activating associated devices like lockers, additional doors, and floor access via lifts.

The device can be configured with ETS® to communicate using the KNX Data Secure protocol.



eSuite

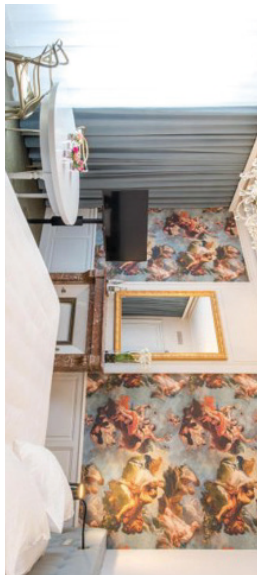


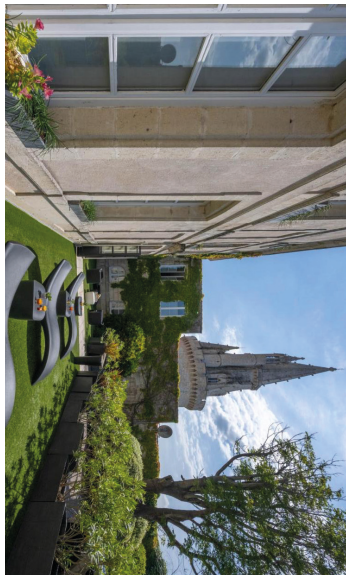




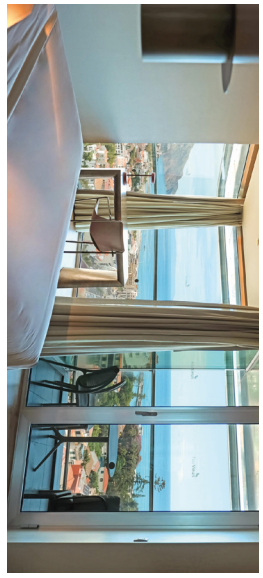


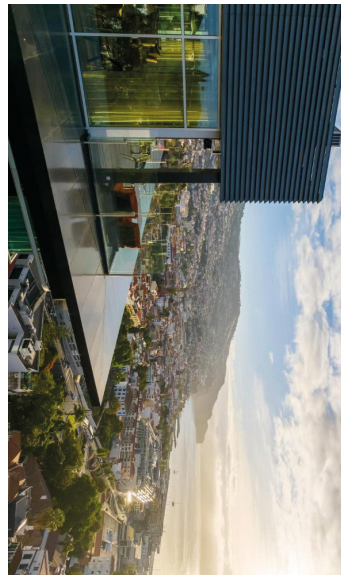
THE REDISCOVERED VILLAGE
MONZA - (ITALY)





HOTEL LA MONNAIE
LA ROCHELLE - (FRANCE)



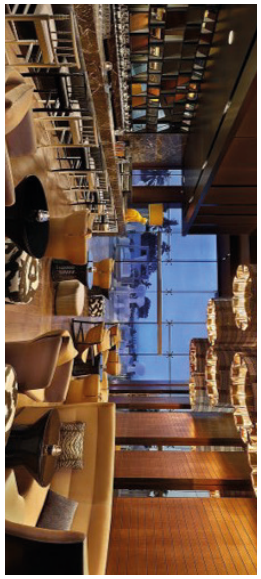


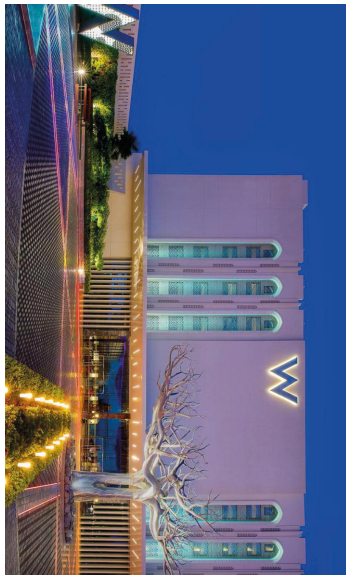
HOTEL FOUR VIEWS BAIA
MADEIRA - (PORTUGAL)



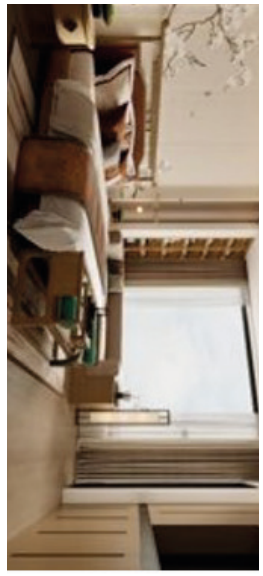


L'ARDENNE AUTREMENT
LA ROCHE - (BELGIUM)





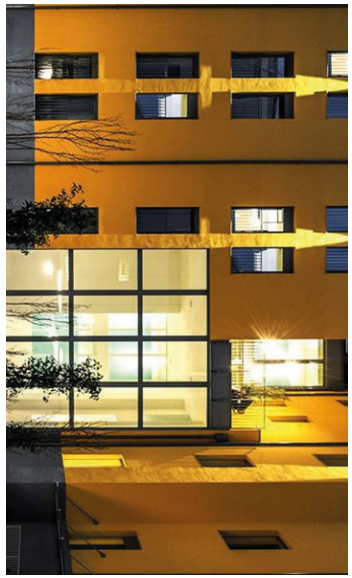
W MUSCAT
MASCATE - (OMAN)



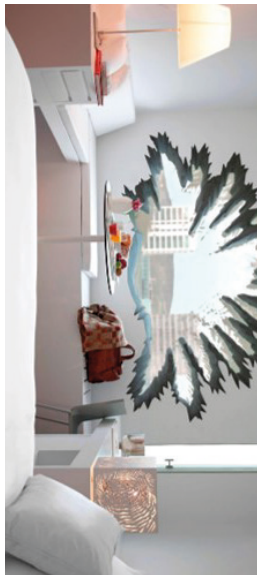


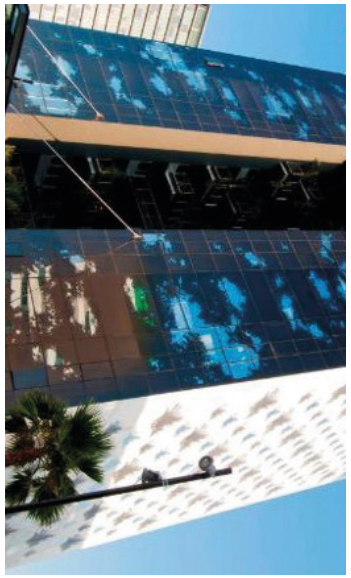
HANGZHOU VILLA PROJECT
HANGZHOU - (CHINA)



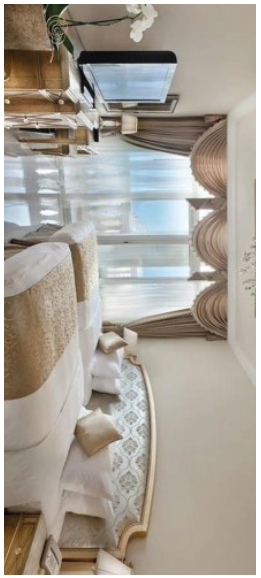


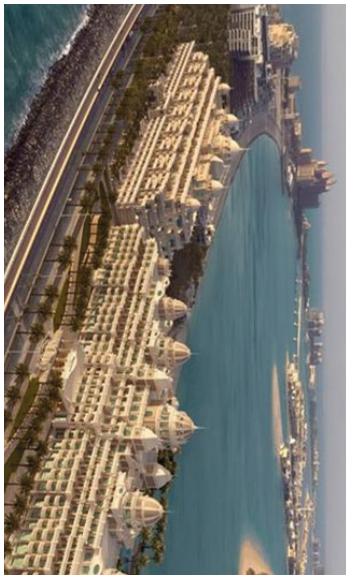
STUDENT RESIDENCE
MILAN - (ITALY)



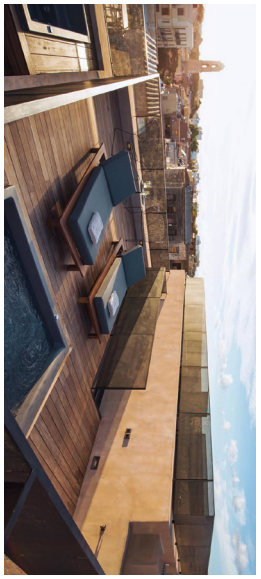


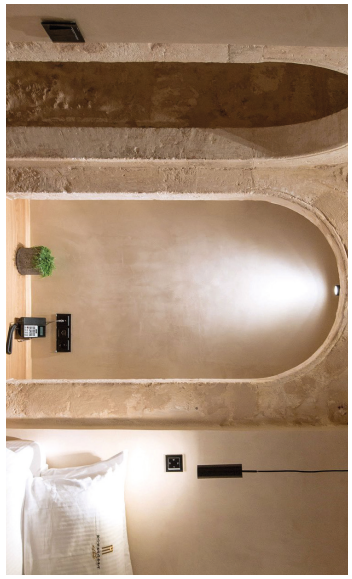
HOTEL CATALONIA FIRA
BARCELONA - (SPAIN)



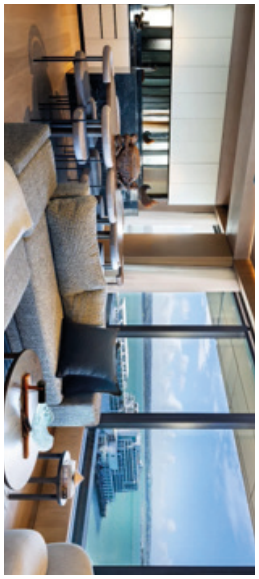


THE PALM
DUBAI - (UNITED ARAB EMIRATES)



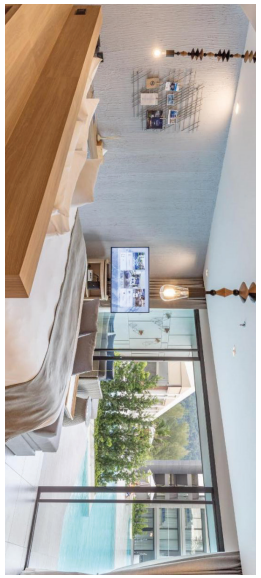


MONASTERY ESTATE VENETIAN HARBOR
CHANIÀ - (GREECE)





AUCKLAND HARBOUR SUITES
NEW ZEALAND





LA VELA KHAO LAK
KHAO LAK - (THAILAND)

residential evolution

Automate all 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

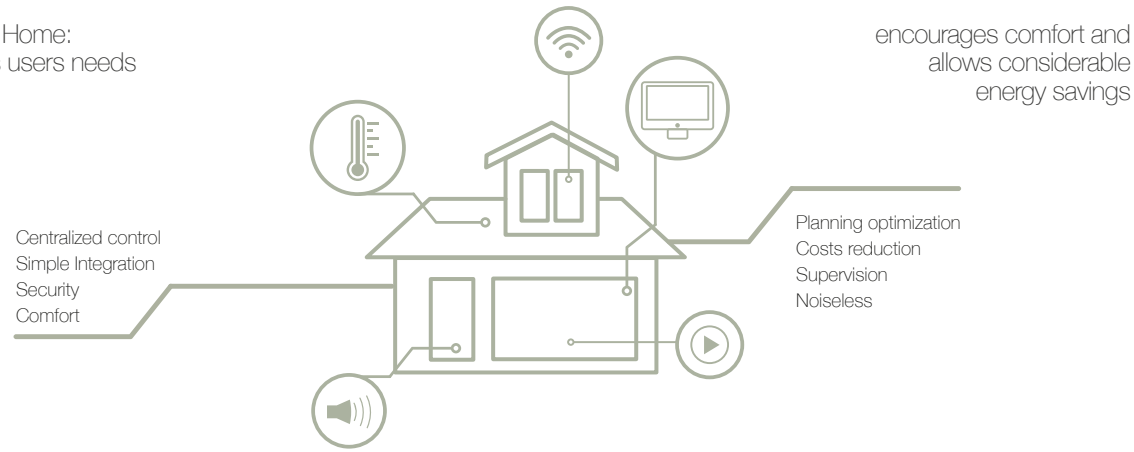
HEATING, VENTILATION, AIR CONDITIONING

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 solutions that meet the highest standards in residential buildings, combining comfort and safety with energy savings and environmental awareness. Eelectron's automation solutions for the residential sector are designed for medium-to-large residential buildings and luxury properties. They are compatible with almost all electrical devices and third-party products. This integration ensures system scalability and the ability to meet future needs.

- ✔ Control and management of underfloor heating / cooling / room humidity
- ✔ DALI / DMX / Dimmer / LED lighting control
- ✔ Venetians, shutters and blinds management
- ✔ Interface with audio systems, security systems, IP cameras
- ✔ Meters and solar panel systems
- ✔ Interfacing with video door entry systems
- ✔ Local or remote control from Tablet and smartphone (Android - iOS)







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

smart home

Automation

Scenarios

Create your own cozy atmosphere by controlling lights, curtains with the BO04K01KNX module.

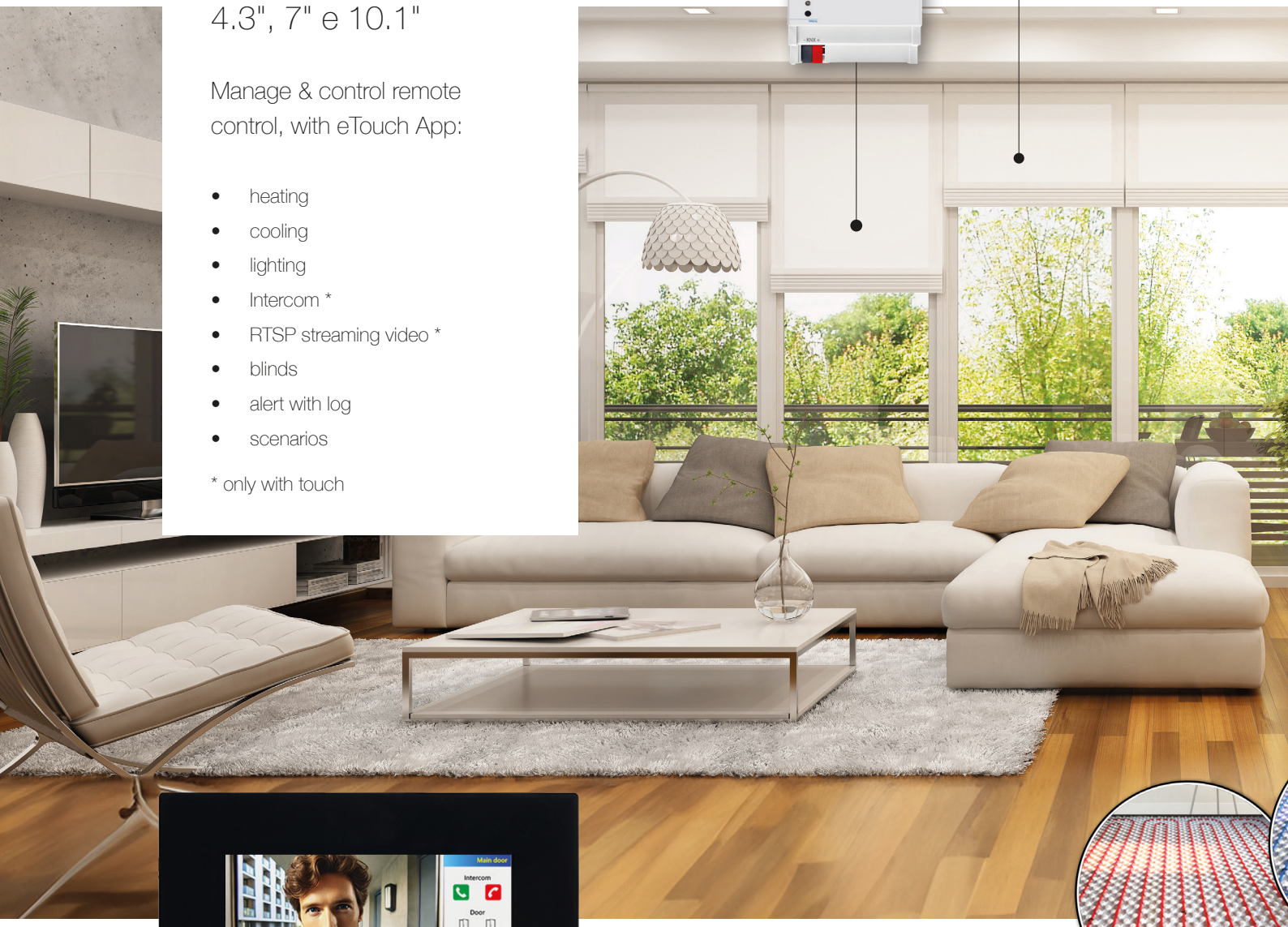


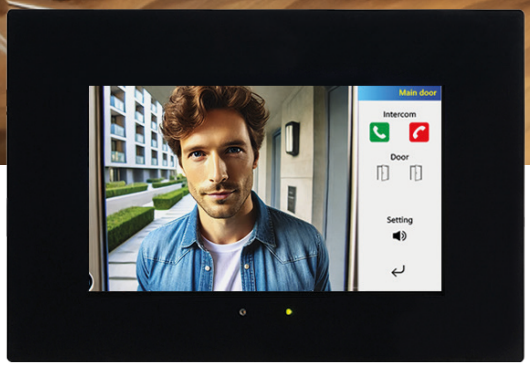
Touch Panel
4.3", 7" e 10.1"

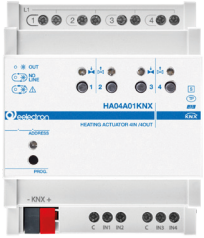
Manage & control remote control, with eTouch App:

- heating
- cooling
- lighting
- Intercom *
- RTSP streaming video *
- blinds
- alert with log
- scenarios

* only with touch





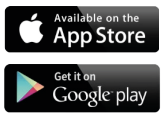


HA04A01KNX

Actuator for Electrothermal Valves 4 IN / 4 OUT







S_Series

Load control





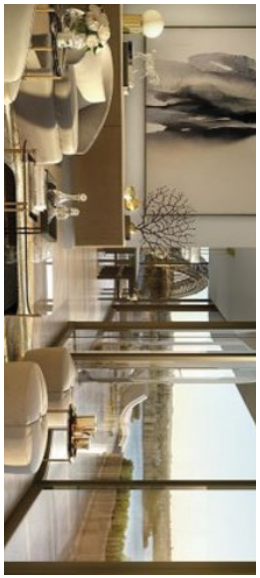
BO08S01KNX Universal DIN Module 8 OUT 20A with current sensors, you can use each of the 8 outputs to control individually

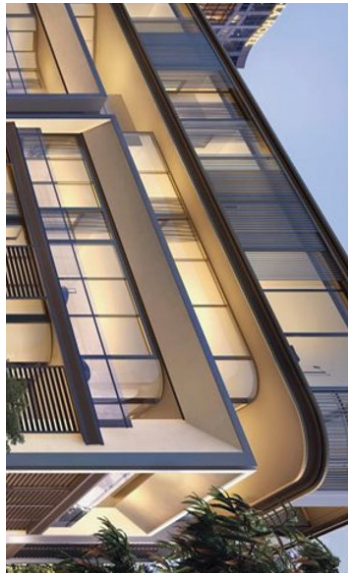
The BO08S01KNX device features integrated current sensing with two configurable thresholds. Exceeding the first threshold activates a warning function, while exceeding the second, higher threshold triggers an alarm that opens the relay.

- lights
- oven
- microwave
- Induction cooktop
- refrigerator
- washing machine
- dishwasher
- others...

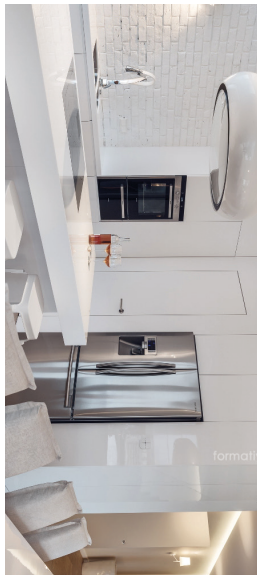
Actuator for Electrothermal Valves

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



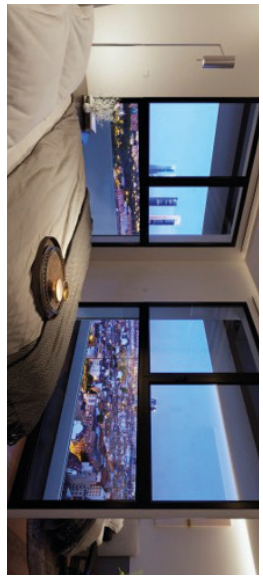


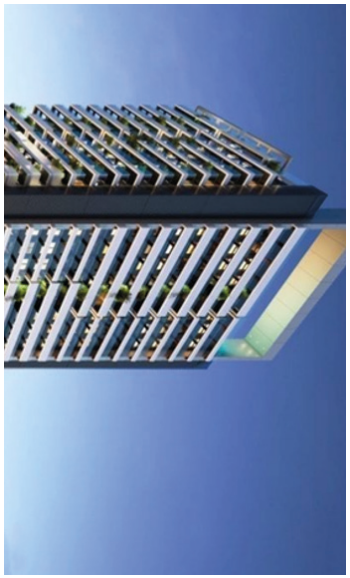
THE HARRINGTON
SYDNEY - (AUSTRALIA)



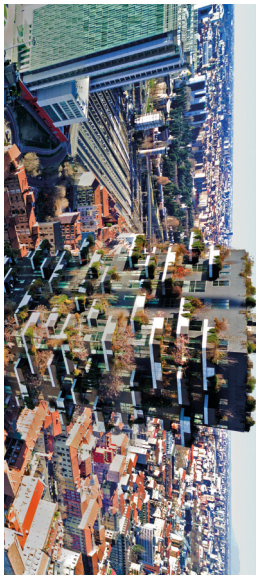


VILLA DESIGN
GDANSK - (IPOLAND)



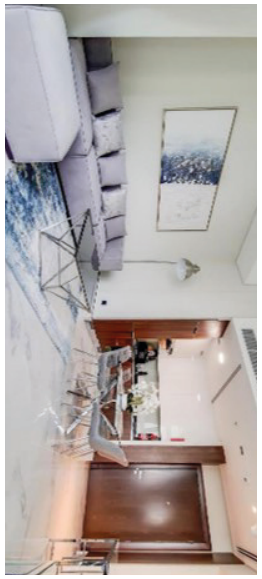


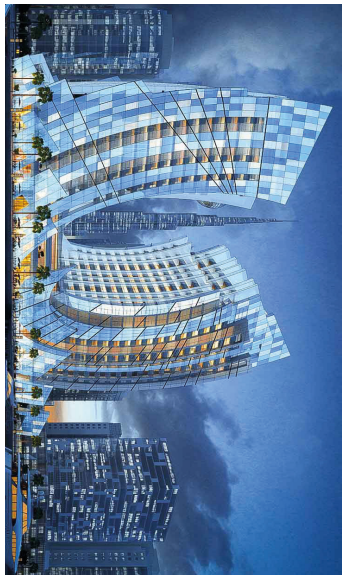
SKYLINE RESIDENTIAL TOWER
MADRID - (SPAIN)





BOSCO VERTICALE
MILAN - (ITALY)





J ONE TOWER
DUBAI - (UNITED ARAB EMIRATES)





HANGZHOU VILLA PROJECT
HANGZHOU - (CHINA)

Design Controls

Research, development, design, production. Made in Italy

OL-U

GERMAN DESIGN AWARD WINNER 2025

reddot winner 2024

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



9025

evolving skills

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

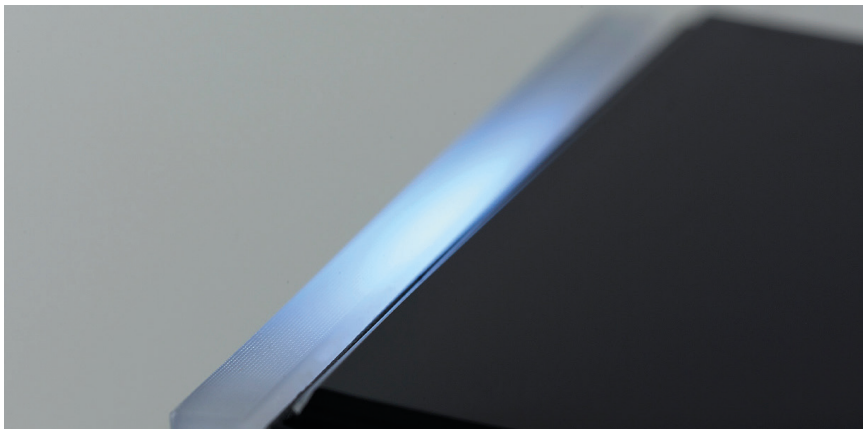
DESIGN PLUS powered by: light+building



3025

Warmth, in your place

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



eelecta

You, in an homy and environmental world

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

DESIGN PLUS powered by: light+building

interior innovation award 2012 Winner

German Design Award NOMINEE 2013

reddot design award winner 2012



products **range**

controls and design buttons

OL-U

capacitive switches, thermostat, thermostats/humidistats, multisensors until 16 programmable channels. Plastic, FENIX™ and metal finish, in 2 or 3 module versions.

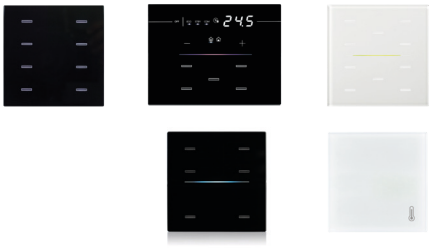
switch 4, 6, 8 buttons	SO08A01KNX / -3M
thermostat	TO04A01KNX / -3M
thermostat/humidistat	HO04A01KNX / -3M
multisensor controller (CO_2 + humidity + temperature)	MO04A01KNX-1/-3 / -3M MO04A01KNX1/-3 / -3M



9025

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

multisensor controller (humidity – temperatura)	HC06A01KNX
multisensor controller (CO_2 + humidity + temperature)	MC06A01KNX
temperature probe	TS01D01ACC-1 / -3M TS01D01ACC-3 / -3M



3025

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



eelecta

MiniPad (9×9 cm) available in black or white, 8 channels

Customization

my custom eelectron®

mycustom.eelectron.com



HORIZONE

eSuite

touch panels and supervision

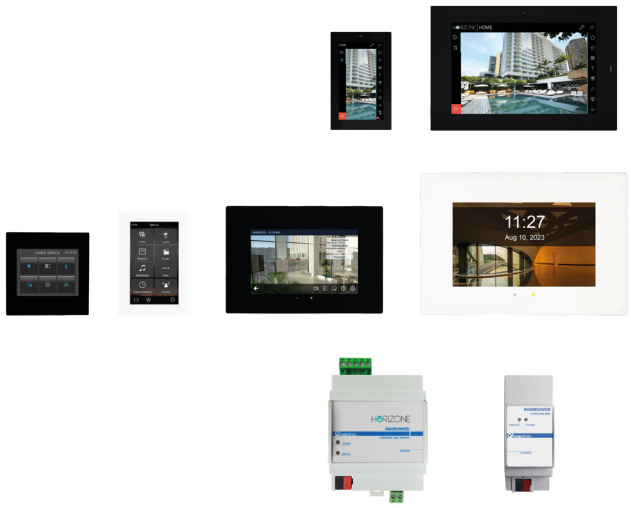
Touch Panel Horizone Android 5", 8"
range of wall-mounted touch panels Horizone

Touch Panel KNX 3,5", 4,5", 7,1",10"
range of wall-mounted touch panels

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

Horizone
supervision webserver for Building & Home Automation

Horizone mini
supervision webserver for Building & Home Automation



touch panels

IP TOUCH PANEL
4.3” - 7” - 10.1”

The new range of 4.3 - 7 - 10.1 inch touch panels is characterised by its high performance, every detail has been carefully thought out. Intuitive and easy to use on a daily basis, they are the perfect solution for controlling and complete visualisation of any KNX system.





overview

Actuators, dimmers and push button interfaces

Actuators Inputs - Outputs

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

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

Dimmer

Model	Installation	Outputs	Output's characteristics
DM01D	DIN RAIL	1	700 W
DM02A	DIN RAIL	2	300 W
DM04A	DIN RAIL	4	300 W
DL04A	DIN RAIL	4	4 A
DM04E	DIN RAIL	4	1-10V

Push Button Interfaces

Model	Installation	Digital Inputs	Outputs LED	Analog inputs
IO22D02	INWALL	2	2	
IO44D02	INWALL	4	4	
IO44D02-S	INWALL	6	2	
IO62D	INWALL	6	2	
AD84C	INWALL	8	4	4

actuators [inputs - outputs]

S_Series

8 OUT 20A with or without current sensors	BO08S01KNX
	BO08S02KNX



K_Series

Outputs 4-8-12-Channels	BO04K01KNX
	BO08K01KNX
	BO12K01KNX
	SA04K01KNX



F_Series With SD Card Option

Inputs 4-8-16-Channels	BI04F01KNX	Outputs 4-8-12-16-24-Channels	BO04F01KNX /-SD
	BI08F01KNX		BO08F01KNX /-SD
	BI16F01KNX		BO12F01KNX /-SD
	BI08H01KNX		BO16F01KNX /-SD
Inputs - Outputs 4-8-12-16-Channels	IO04F01KNX /-SD		BO24F01KNX /-SD
	IO08F01KNX /-SD		
	IO12F01KNX /-SD		
	IO16F01KNX /-SD		

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 X 1-10V	DM04E01KNX



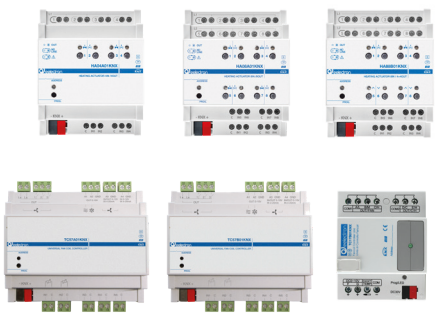
push button Interfaces

Push Button Interfaces	
2-4-6 Inputs / 2 - 4 Outputs LED	IO22D02KNX
	IO44D02KNX
KNX Secure also	IO44D02KNX-S
	IO62D02KNX
Push button interface	AD84C01KNX
Analog/digital interface 8 Inputs / 4 Outputs LED and thermostat function	
Inwall module 4 Inputs / 2 Outputs	IO42E01KNX



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 3 x 0-10 V 5 IN - 3 OUT	TC57A01KNX
Universal Fancoil Controller 0-10v 4 x 0-10 V 5 IN - 3 OUT	TC57B01KNX



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_2 + VOC + temperature + humidity	SM03E03ACC / -3
Plugin Sensor - VOC + eCO_2 + temperature	SM03E02ACC / -3
Presence Detector Wide Range	PD00E20KNX / -3
Corridor Presence Detector	PD00E21KNX / -3



Gateway KNX

DALI Gateway TW 1 CH	IC01D01DAL
DALI Gateway TW 2 CH	IC02D01DAL
DALI Gateway TW 1 CH Multimaster	IC01D03DAL
DALI Gateway Broadcast TW 4 CH	IC04B01DAL
DMX Gateway	IC00B01DMX
BACnet Gateway	IC01E01BAC



energy meters

Energy meter single or three phase

MID Certified	PM00A00IRI + PM10E02IRE
	PM00A00IRI + PM30E01IRE
	PM00A00IRI + PM30E02IRE



system components & interfaces

Power Supply 640mA	PS00D03KNX
KNX Bridge - IP Interface and Power Supply + AUX 640mA - KNX Secure - MQTT	IPSBA01KNX
KNX Bridge - IP Interface and Power Supply + AUX 640mA - KNX Secure	IPSBA02KNX
KNX Bridge - eLOCK Salto Interface - Power Supply + AUX 640mA - KNX Secure	IPSBA03KNX
Power Supply KNX 1280mA	IPS00D04KNX
DIN USB Interface	IN00A03USB
IP Interface KNX Secure	IN00C01USB
DIN IP-KNX Secure Interface	IN00S01IPI
DIN Router Interface PoE IP-KNX	IN00S01RIP
Line coupler DIN Bus KNX	LC00B01KNX
DIN Rail BUS Coupler unit - KNX Secure	LC00S01KNX
Time/astronomical Master	ES01A00KNX





DALI-2

DALI-2 present detector **standard**, with lighting control, White/Black	PD00A01DL2 / -3
DALI-2 present detector **MultiSensor**, with lighting control, temperature, humidity- White/Black	PD00A02DL2 / -3
DALI-2 Push Button Interface, 4 Input	PB40A01DL2
DALI-2 Push Button Interface / 4 LED	PB44A01DL2



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	TR00C02KNX-1 / -3M TR00C02KNX-3 / -3M
Transponder Holder 9025	TH00C02KNX-1 / -3M TH00C02KNX-3 / -3M
Transponder Reader Synchronicity	TR22D01KNX-1 TR22D01KNX-3
Outdoor Transponder Reader	OUTRC02KNX
Transponder Holder Synchronicity	TH22D01KNX-1 TH22D01KNX-3
Numeric Keypad	KP10C02KNX-x KP10C02KNX-x-3M



e-Suite Guest Room Management System

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

eSuite App

Available on the App Store

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weather **station**

Weather station KNX Plus	WS00A01KNX



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