



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 CO2 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.

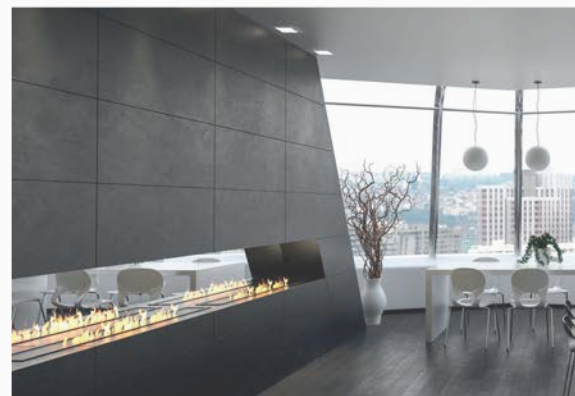
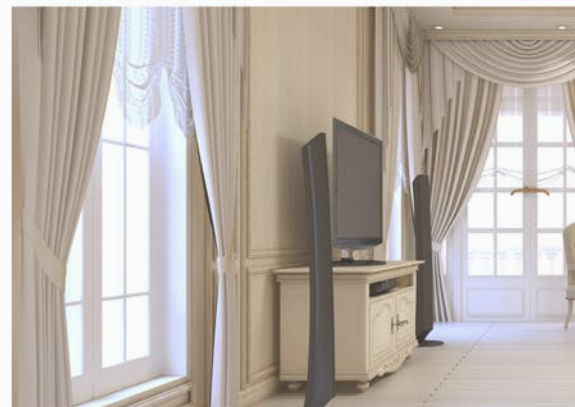
Eelectron's philosophy of comprehensive aesthetic design and engagement in developing highly innovative devices combines with KNX interoperability and compliance with the most stringent international quality standards.

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.



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





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

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

KNX is approved by:

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



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

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

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



For more information see the Konnex website at:

www.konnex.org

A modern dining room with a white table and chairs, large windows, and a white island counter. The room features a wooden floor, a white ceiling with recessed lighting, and a large window with a view of the outdoors. The text "RESIDENTIAL SOLUTION" is overlaid on the image.

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**.



RESIDENTIAL SOLUTIONS

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

- ✓ Controllo e gestione di riscaldamento a pavimento/raffrescamento/umidità degli ambienti
- ✓ Controllo illuminazione DALI/ DMX/ Led
- ✓ Controllo locale o remoto da Tablet e smartphone (Android - iOS)
- ✓ Interfacciamento con sistemi audio, sistemi di sicurezza, telecamere IP
- ✓ Interfacciamento con sistemi videocitofonici



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



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



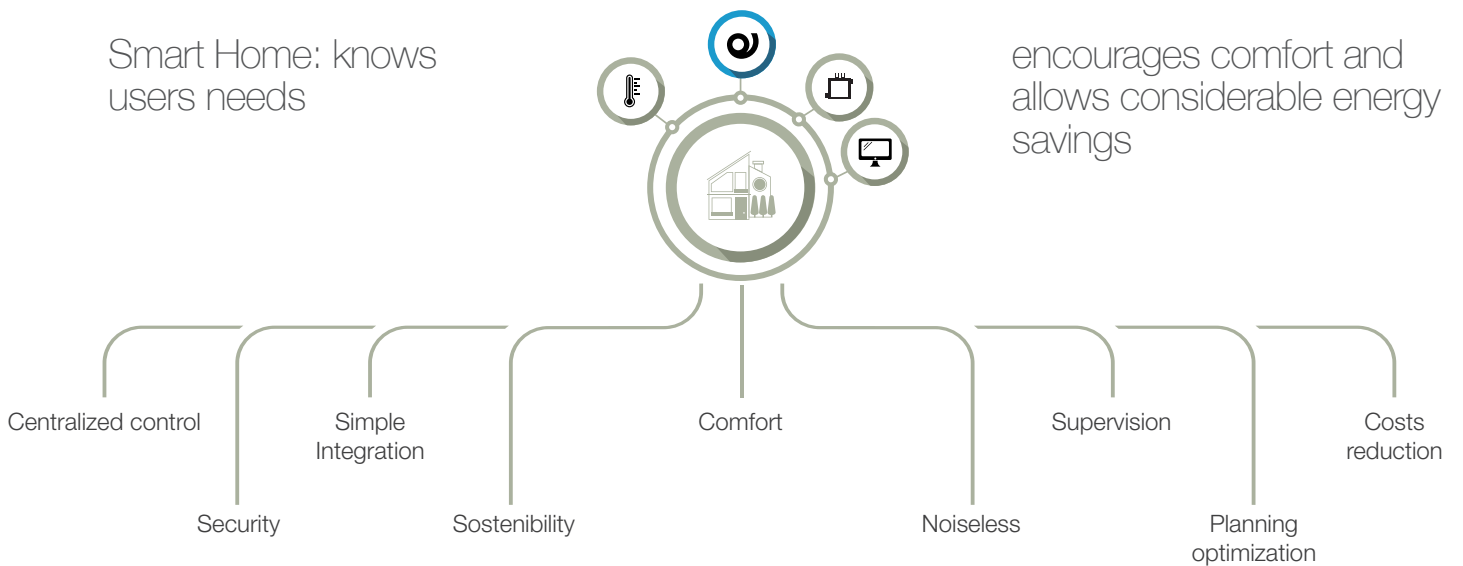
ENERGY METERING

Transparent consumption and real-time control



Smart Home: knows users needs

encourages comfort and allows considerable energy savings



SUPERVISION

HORIZONE

Home automation

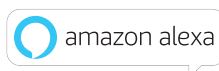
HORIZONE is the ideal solution to manage every technological sub-systems for home evolution: lighting, blinds/shadows, temperature, loads control, power consumptions, door intercom system, irrigation system, security cameras, alarm system, music/video.

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



RESIDENTIAL 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

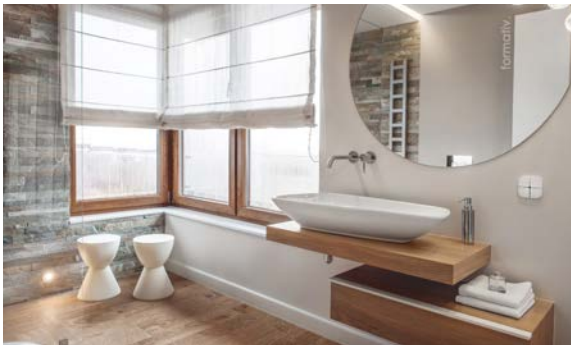
Freely configurable logics (up to 7)
4 or 8 Channels for valves in PWM (Solenoid Actuators)
2 or 4 channels for 3 point valve control



RESIDENTIAL SOLUTION



IL PAESE RITROVATO
MONZA - (ITALIA)



VILLA DESIGN
GDANSK - (POLAND)



TEMPLER VILLA
KUALA LAMPUR - (MALAYSIA)



GORANI PALACE
MILANO - (ITALIA)



IRIS BLUE TOWER
DUBAI - (UNITED ARAB EMIRATES)



BOSCO VERTICALE
MILANO - (ITALIA)



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.

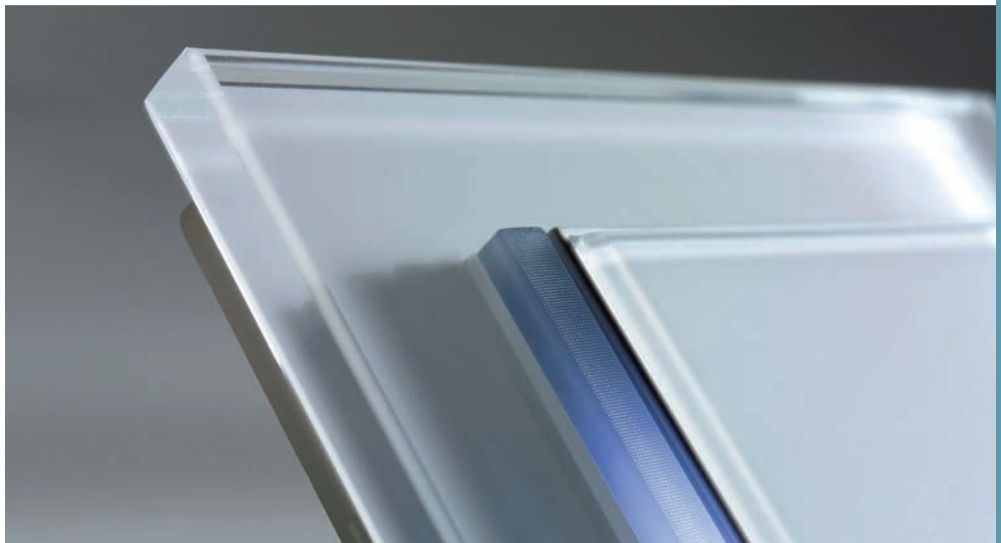
DESIGN PLUS
powered by light+building



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

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



TOUCH PANEL 5" 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.



HORIZONE

PRODUCTS OVERVIEW

Actuators, dimmers, sensors, system components

Actuators Input - Output

| Model | Relay Rating | Outputs | Analog Inputs | Digital 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 | IR Receiver |
|---------|--------------|---------|---------------|----------------|--------------|----------------------------|-------------------------------|-----------------------------|---------------------------|-------------------------|----------------|----------------------|------------------|----------------|---------|----------------------|--------------------|-------------|
| BO04F01 | 16A | 4 | 0 | 0 | ▪ | ▪ | ▪ | ▪ | ▪ | | ▪ | ▪ | | 4 | ▪ | ▪ | ▪ | |
| BO08F01 | 16A | 8 | 0 | 0 | ▪ | ▪ | ▪ | ▪ | ▪ | | ▪ | ▪ | | 8 | ▪ | ▪ | ▪ | |
| BO12B01 | 16A | 12 | 0 | 0 | ▪ | ▪ | | | | | | | | 0 | | | ▪ | |
| BO16F01 | 16A | 16 | 0 | 0 | ▪ | ▪ | ▪ | ▪ | ▪ | | ▪ | ▪ | | 8 | ▪ | ▪ | ▪ | |
| IO04F01 | 16A | 4 | 4 | 4* | ▪ | ▪ | ▪ | ▪ | ▪ | | ▪ | ▪ | | 4 | ▪ | ▪ | ▪ | |
| IO08F01 | 16A | 8 | 8 | 4* | ▪ | ▪ | ▪ | ▪ | ▪ | | ▪ | ▪ | ▪ | 8 | ▪ | ▪ | ▪ | |
| IO16F01 | 16A | 16 | 16 | 4* | ▪ | ▪ | ▪ | ▪ | ▪ | | ▪ | ▪ | ▪(2) | 8 | ▪ | | ▪ | |
| IO32 | 10A | 2 | 2 | 1 | ▪ | ▪ | | | | | | | ▪ | 0 | | | ▪ | ▪ |

* Input can be digital or analog

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

Supervision

Horizone
supervision webserver for Building & Home Automation

Touch Panel 3,5", 5", 8"
range of wall-mounted touch panels

Docking Station
Ultimate on wall solution dedicated to the management of smart installations., for iPad & iPad Mini

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



Controls and design buttons

9025
capacitive switches up to 10 channels with integrated thermostat & thermostats/humidistats
glass finish, in 2 or 3 modules version

3025
55 X 55 mm switches - 4 channels, integrated thermostat in different finishes and materials

eelecta
HomePad (11x11 cm) & MiniPad (9x9 cm) available in 4 or 8 channels version

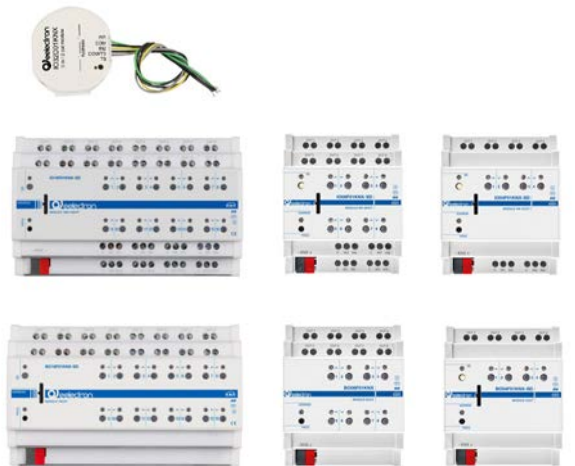


Actuators [Inputs - Outputs]

Inwall 3 inputs /2 outputs module IO32D01KNX

Universal DIN modules
4-8-16 **inputs / outputs** with & without
micro SD card F_Series

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



Dimmers

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

2 or 4 Channels x 300w DM02A02KNX - DM04A02KNX

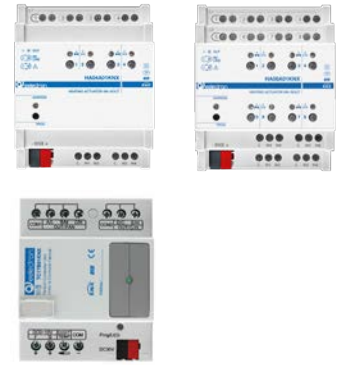
4 Channels LED / RGB W DL04A01KNX

4 Channels 1-10v DM04D01KNX



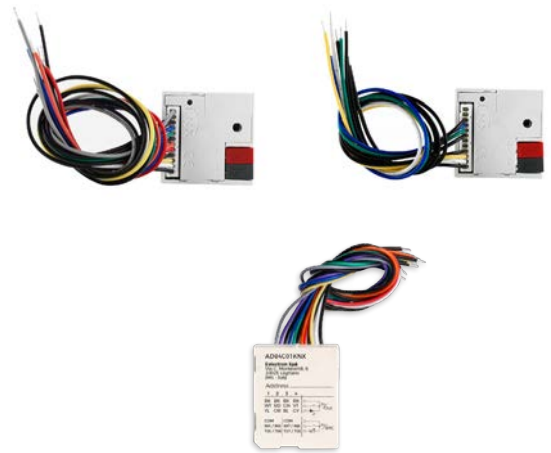
Climate control

| | |
|---|------------|
| Electrothermal valves module - 4 channels | HA04A01KNX |
| Electrothermal valves module - 8 channels | HA08A01KNX |
| Fancoil Controller 0-10v | TC17B01KNX |



Push Button Interfaces

| | |
|---|--|
| 2 - 4 - 6 Inputs / 2 Outputs Led | IO22D01KNX IO44D01KNX IO62D01KNX |
| Analog/digital interface 8 Inputs / 4 Outputs Led and thermostat function | AD84C01KNX |



Gateways KNX

| | |
|----------------------------|------------|
| DALI Gateway | IC00P01DAL |
| DALI Gateway Tunable White | IC00P02DAL |
| DMX Gateway | IC00B01DMX |



Sensors & Metering

| | |
|---|--|
| Presence detector Basic | PD00E00KNX |
| Presence detector Standard with lighting control | PD00E01KNX |
| Presence detector Multisensor - lighting control, temperature, humidity, sound sensor | PD00E02KNX |
| Presence detector High Bay with lighting control | PD00E09KNX |
| Energy meter single or three phase | PM10D01KNX PM30D01KNX PM30D02KNX |



Weather Station

Weather station KNX Plus

WS00A01KNX



System Components & Interfaces

Power Supply 640mA

PS00D03KNX

USB

IN00A03USB

IP-KNX Secure

IN00S01PI

Router IP-KNX Secure

IN00A02RIP

Line coupler DIN Bus KNX

LC00B01KNX

Time/astronomical Master

ES01A00KNX

Raspberry KNX Interface

IC00R01KNX



Synchronicity - Access control

Transponder reader

TR22A09KNX

TR22A19KNX

TR22A29KNX

Transponder holder

TH22A09KNX

TH22A19KNX

TH22A29KNX

