

Zennio[®]

Home, Building & Hotel Automation Solutions

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EXPERIENCES IN HOTELS

Marc and Alessandra met three years ago at a racetrack when a mutual friend introduced them. A love at first sight that remains intact to this day.

They are passionate about cinema, enjoy good cuisine and love travelling to experience the most beautiful corners of the world, staying in singular hotels that are highly ranked by the web.

They greatly value aesthetics, comfort, attentive service and the connectivity necessary to continue sharing with their friends and family.

This is the story they are interested in.





Alessandra has a very special relationship with her mother, so, just after entering the room and getting comfortable, thanks to the instant connection that she greatly appreciates, she describes the details of the trip and sends several photos of her surroundings to share every experience with her.



However, Marc prefers to experiment, even more so if there is technology within his reach, exploring the limits of what he is able to control until everything is to his liking.

He is a great fan of photography and is therefore very demanding in terms of illumination.



Once everything is under control and to his taste, while Alessandra chooses with her tablet the content that they are going to enjoy on TV, Marc is seduced by a beer from the minibar to quench the thirst caused by travelling after first getting comfortable too.



Although Alessandra has ordered a snack through her tablet from room service, the chef has written regarding her gluten intolerance, in order to be sure of applying the correct recipe.

Alessandra will rank his work through the Tablet, the chef knows this and focusses on giving his best.

The hotel manager is happy to know the opinions of his clients to help take the appropriate action, that in this case will be congratulations.

Marc has gone down to the gym, where he had booked time from his smartphone to make sure the treadmill is free.

In the meantime, Alessandra finds time to be alone and relax.

Both know that they have to look for those moments in which to miss each other.





When comfort is achieved in a hotel room, technology becomes transparent and guests only find relaxation and harmony.

On returning to the room, Marc finds Alessandra in that state and he decides not to interrupt her dream.

It's time to make plans for the night; meanwhile they enjoy the view and the hustle and bustle of the street that seems to be calling them.



They have decided to go to a Japanese restaurant. Marc is not enthusiastic about Japanese food but the hotel entertainment system shows a very high rating, so they decide to try their luck again, as Alessandra is a big fan of this type of cuisine.

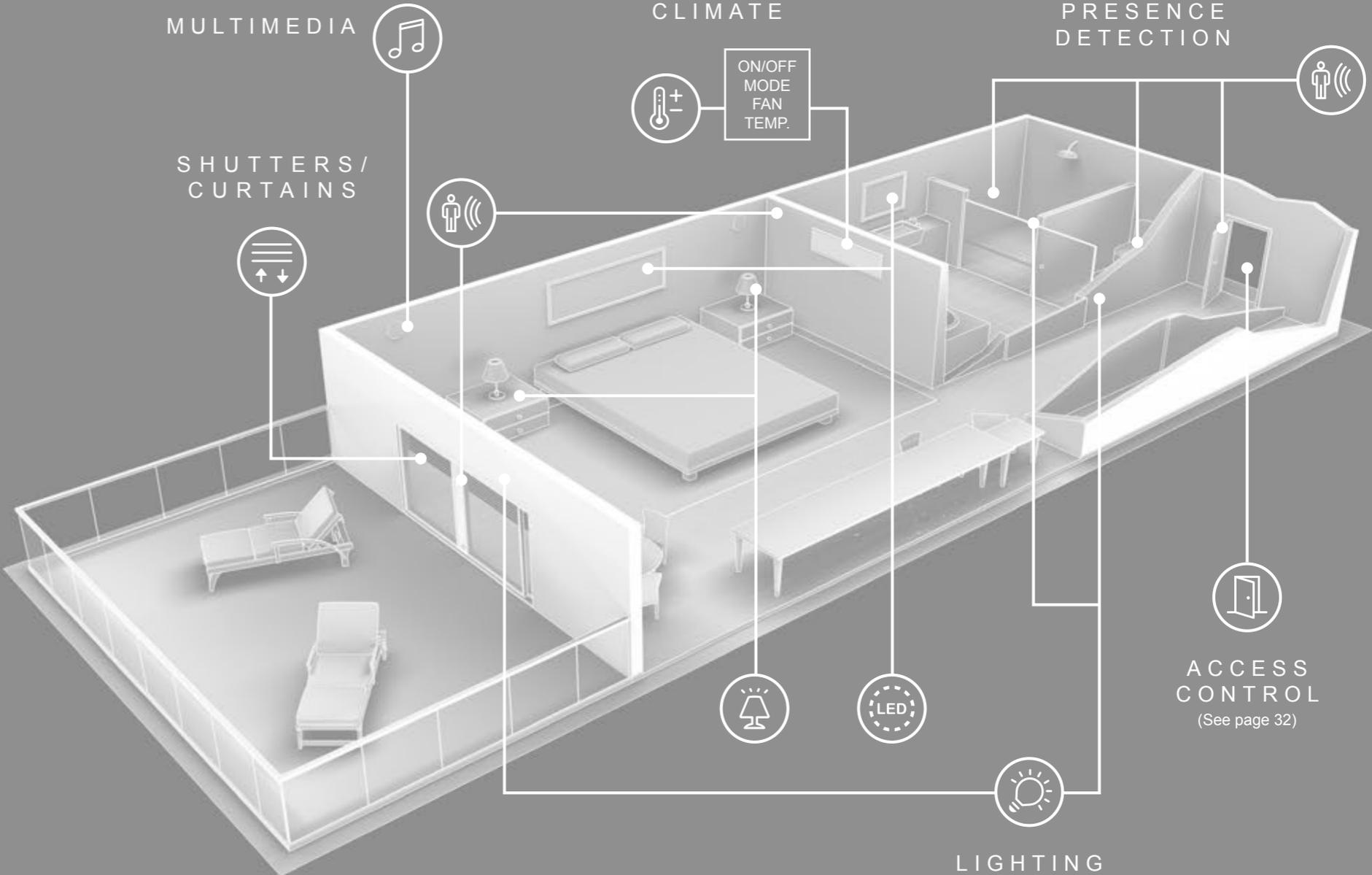




Alessandra is not excessively dressy, even so, she will spend a good while getting ready to go out for dinner. Accessories and mirrors are important for her to be able to check every detail, also thanks to the well-considered illumination.

Meanwhile Marc, admiring her constantly, will take an energizing shower to be on top form the rest of the day.

HOTEL SOLUTION



Specialist in hotels technology.

The guests of your hotel value, above the classic concepts, technology put at their disposal to improve their comfort and sense of control.

Thanks to thermostats, totally customizable touch switches, compatible with aesthetics of other installed mechanisms, and even their own Smartphones and Tablets, guests can enjoy the light dimming, access system, audio-video and a precise climate control, among others. Thus, one of the main sources of complaints becomes a competitive strength.

It is possible to achieve this objective at zero cost, due to the fast return on investment.

Moreover, Zennio helps you with your hotel ratings in Booking® and TripAdvisor® through a specialized technological contract.



Add a star
to your hotel

DOMOTIC SOLUTION APPLIED TO HOTELS

Lighting control.

- All type of lamps, including dimming and RGB color selection to recreate the room with scenes, as well as DALI system management
- Special electronics for capacitive loads to achieve a longer life for the system
- General OFF with a single press of the guest for their convenience
- Light guide towards the bathroom at night thanks to presence detection in strategic positions, to avoid blinding or disturbing other guests in the same room.
- Integration of decorative outdoor lighting, such as the one in facade and terrace, in a single control system
- Welcome scenes in the room to the hotel experience manager's choice.
- General OFF when no presence is detected with custom delays in critical circuits.
- Management of special sockets: fridge, coffee machine, 24h laptop chargers with current limitation

Enclosures control.

- Shutters, blackouts, venetian blinds, roller blinds, curtains
- Solar protection for the indoor furniture
- Positioning according to energy management
- Scenes integration.

Climate control.

- Any heating or air conditioning system, including fan coils, splits, variable refrigerant volume, chilled beam, etc.
- Setting a different setpoint temperature and fan speed according to the guest presence: comfort, standby, economy and protection.
- Automatic turn off of climate system when a window is opened, with a warning in BMS.
- Humidity control in tropical areas or places with high humidity and dew risk, to reduce it and avoid bad smells, damage of furniture and excessive energy consumption.
- Air quality management and forced ventilation.

Presence detection.

- Advanced algorithm for presence detection of guest, infallible to establish automatic climate management policies, dynamically adjustable according to the hotel specific needs.
- Selective cancellation of this presence detection for VIP.
- Information available for the hotel staff.
- Growing productivity of Housekeeping..

Common areas.

- In addition to room control, the system allows an integrated control of public areas such as restaurants, reception, meeting rooms, SPA, gym, swimming pool, outdoor terrace.
- Lighting control with presence detection in all kind of corridors or waiting rooms.

Energy management.

- Room energy consumption measurement of electric and climate system consumption
- Water consumption measurement, warning Maintenance service when there is consumption without a guest in the room.
- Positioning the enclosures to avoid solar radiation and reduce energy consumption.

Advanced controls.

- The hotel staff can take any type of control through BMS.
- Guests can control all the elements in room through their smartphones or tablets with apps, either the hotel proprietary app or the Zennio app free of charge.

Audio System Connection.

- Guest can enjoy their own audio contents (Spotify®, YouTube®...), by pairing their smartphone with the system through Bluetooth®.
- Two channels with independent volume settings allow the guest to enjoy audio from their own smartphone or the auxiliary TV output in both the bedroom and the bathroom.
- Loudspeakers are connected to an amplifier in the Zennio KNX automation system and their volume can be restricted through BMS.

Access Control.

(See the following page for this functionality).

Access Control.

- ❑ On-line and off-line simultaneous operation of the system with backups.
- ❑ Versions with RFID NFC, Bluetooth, keypad or QR code.
- ❑ Encryption with NFC Mifare Desfire, intrinsically secure.
- ❑ In-wall installation without batteries.
- ❑ Indicator of room number or name in display.
- ❑ DND and MUR indicator.
- ❑ The access control system use the communication infrastructure available in the hotel: IP network wiring and KNX bus with safe and encrypted protocols.
- ❑ It includes additional encryption between the NFC card reader and the door opening, which avoids sabotage.
- ❑ Freedom to choose door lock, handles and other door fittings according to the desired aesthetics.
- ❑ Real time information and recording of all accesses to the rooms by guests but also by hotel staff.
- ❑ Cards or access codes can be disabled on-line from hotel reception.
- ❑ Visualizations and reports according to users, time or room number are available for auditing.
- ❑ Safe and minibar opening depending on the user (guest or hotel staff) who accessed the room.
- ❑ Scene activation or rights to use room according to the user identity.



Why choosing Zennio access control?

- They are customizable. Images, icons, texts and logos can be included to cause the desired aesthetic impression in hotels.
- They are innovative. A display shows welcome messages, opening message, time, date, room number... to guest and DND/MUR status to hotel staff.
- They are integrated in BMS and the automation system to perform actions according to the presence of guests in the room. Lights, climate, electric equipment, MUR, DND, check-in, etc.

Zennio BMS. Technical Management of Hotels.

What is a BMS and what is it for?

- Building Management System is an intelligent system for the technical management of hotels that allows the control and supervision of a hotel centrally.
- In plain words, it means making the most of the hotel facilities by reducing energy consumption and providing critical information to the hotel management for data-based decision making.



What advantages, benefits and services does Zennio's BMS offer?

- Consumption reports by room, floor or totals, and quick and easy acting over the devices automatically.
- Optimization of consumption resources and hotel facilities reducing costs between 15-20%.
- Facilitates the preventive maintenance reducing hotel unforeseen events.
- Optimization of energy consumption. Energy saving in hotel room up to 75 % with return on investment from less than 1 year.
- Multi-language, reporting, custom graphics plans and facilities schemes.
- System opens to changes.

Functions of Zennio's BMS

- Monitoring and control of the hotel's facilities locally and / or remotely.
- Reporting and historical graphs for decision-making process for the hotel administration and management.
- Early detection of incidents and alarms to improve maintenance hotel facilities.
- Immediate identification of MUR (Make Up Room) and DND (Do Not Disturb).
- Access to display and/or control of installations using user profiles and/or PIN access.





Integration with other hotel independent systems

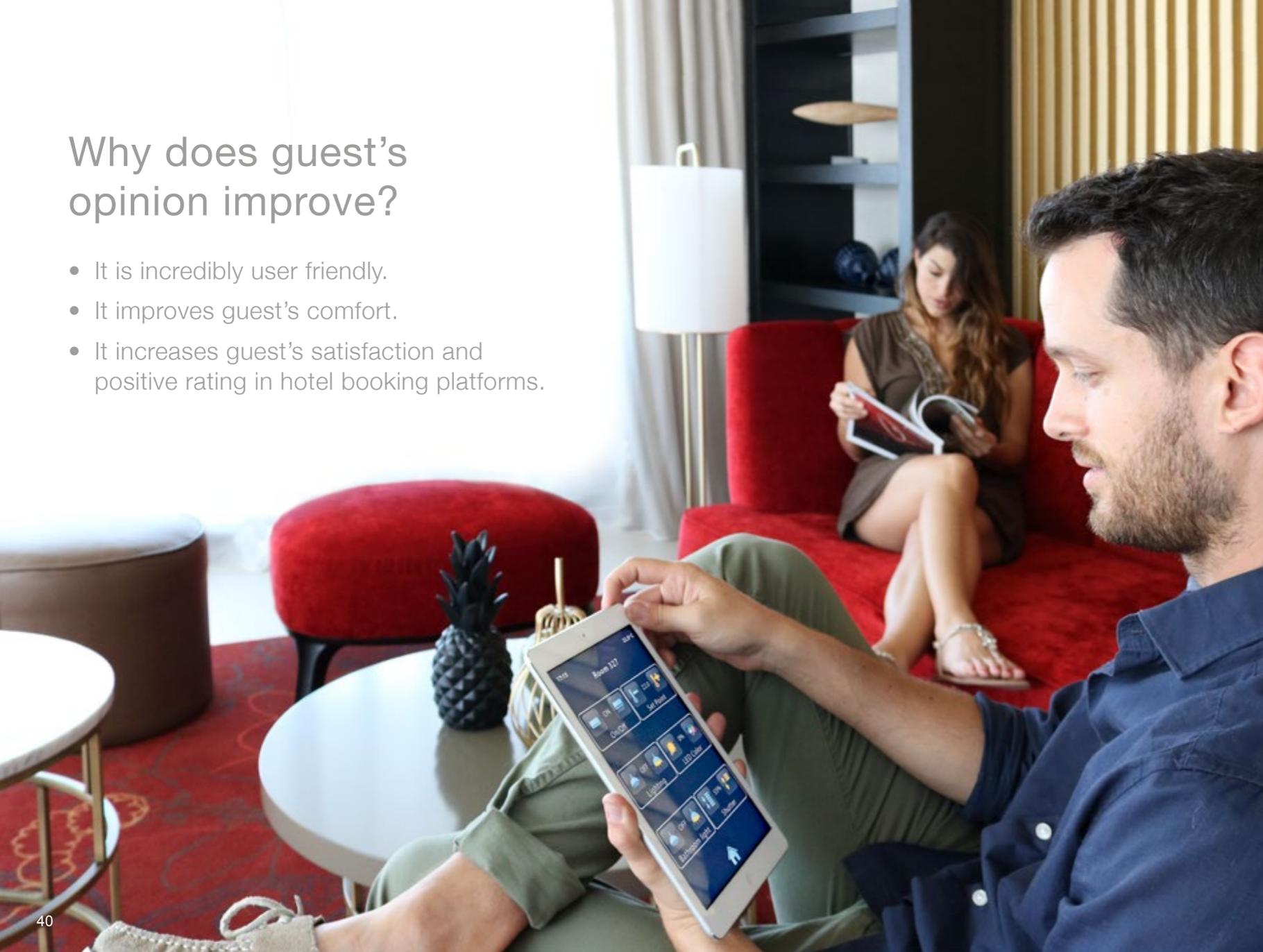
Zennio BMS can be integrated with other systems and hotel management protocols to provide a complete automation, control and supervision solutions of the hotel in a centralized way.

The most important systems that Zennio BMS integrates into a single management tool are:

- Fieldbuses such as ModBus®, LonWorks®, Bacnet®.
- Property Management Systems (PMS's) such as Fidelio® and Protel®.

Why does guest's opinion improve?

- It is incredibly user friendly.
- It improves guest's comfort.
- It increases guest's satisfaction and positive rating in hotel booking platforms.



“Excellent treatment”

Small hotel, taking care of every latest detail. It is the first time that I have stayed in a hotel where automation dominates, is a real luxury.

“Highly recommended”

Recently opened hotel that is perfectly equipped with modern rooms, all with smart hotel automation.

“Magnificent!”

Intimate hotel with great service and staff. It lives up to expectations. Spacious and comfortable room. With hotel automation technology. We will try again for sure!

“Wonderful Surprise”

We stayed at this hotel after catching a last minute deal. We were surprised by its cleanliness, smart automation in the rooms, the breakfast in the room and the treatment received. The two stars are very short for this hotel.

“Great place to stay”

It has been an amazing surprise to discover this magnificent hotel. It has everything you could ask for, with a huge room, an exemplary cleanliness and a very spacious and comfortable bed. Very modern to be able to control everything by smart automation panels and even you can choose the color of the lights in the room.

“Lovely and charming”

Equipped with smart automation and the latest and most modern facilities designed for the comfort of the client and the care of the environment.

“Simply great”

It's been a great week. The hotel has a modern and youthful design, everything is controlled by smart automation (water, light, temperature ...), very clean, comfortable and the bed is not that big... it's giant!

* Opinions collected on TripAdvisor® on Zennio's home automation solutions installed in MB Boutique Hotel, Nerja (Spain).



Benefits for the hotel property.

- ✓ Energy saving in hotel rooms up to 75% with return on investment from less than 1 year.
- ✓ Enhances user's experience.
- ✓ Climate comfort guaranteed, better usability with special functions at the reach of the bed.
- ✓ Possibility of innovating in the access to the room by means of smartphone, chips, magnetic stripe...
- ✓ Impact on the improvement of the perception of the room in platforms such as TripAdvisor® and Booking®.
- ✓ Standard and extraordinarily robust system with almost zero recurring maintenance costs.
- ✓ System open to changes with avant-garde design and respectful with the environment.

EXPERIENCES IN
HOME
BUILDINGS



David and María have always wanted to live in a house with all the comforts, without compromising the design, which was in line with their lifestyle, very conditioned by the intense professional activity of both and of course by Laura, the best fruit of their life together.

This is the story they are interested in.

David is a journalist but his great hobby is cuisine. He prepares his creations for friends and family with great success and the occasional disastrous failure. He works both at home and abroad, depending on the type of report he is involved in, as a result he likes to savour the moments when they are all together because they are quite rare.



María is an analyst in a financial consultancy, so she travels frequently.

Her hobbies include music and theater, where she collaborates in some local performances as an actress.

Laura, the little girl of the house follows in the footsteps of her mother and besides being crazy about technology, like all the children of these times, she takes guitar lessons and sneaks in some shows with María.





With this lifestyle, the family needs a very functional home with the technology necessary to make everything very easy from any location.

Every year, they make a journey during a couple of weeks to some destination, each time more distant,, thanks to which Laura is increasingly independent.

They have yet to decide on where to go this year. Some options are Portugal, the west coast of the United States and the Baltic countries, hmm, difficult choice.



An essential requirement for them was to be able to control their home from anywhere in the world through their smartphones and tablets because they cannot always ensure that they will be at home.

They even receive calls from their video door phone on their mobile wherever they are, as well as if there is a technical alarm at home, which gives them a greater sense of security.





David is the person who spends the most time with Laura at home, which has caused a very special relationship to form between them.

Sometimes they review the school's lessons in front of the mirror because David knows how important it is for Laura to learn public speaking during her childhood.

At the end of the day when they're both at home and not travelling, it is time to share thoughts and make plans for the future, although they consider that they have fulfilled many of their dreams and this makes them feel happy.

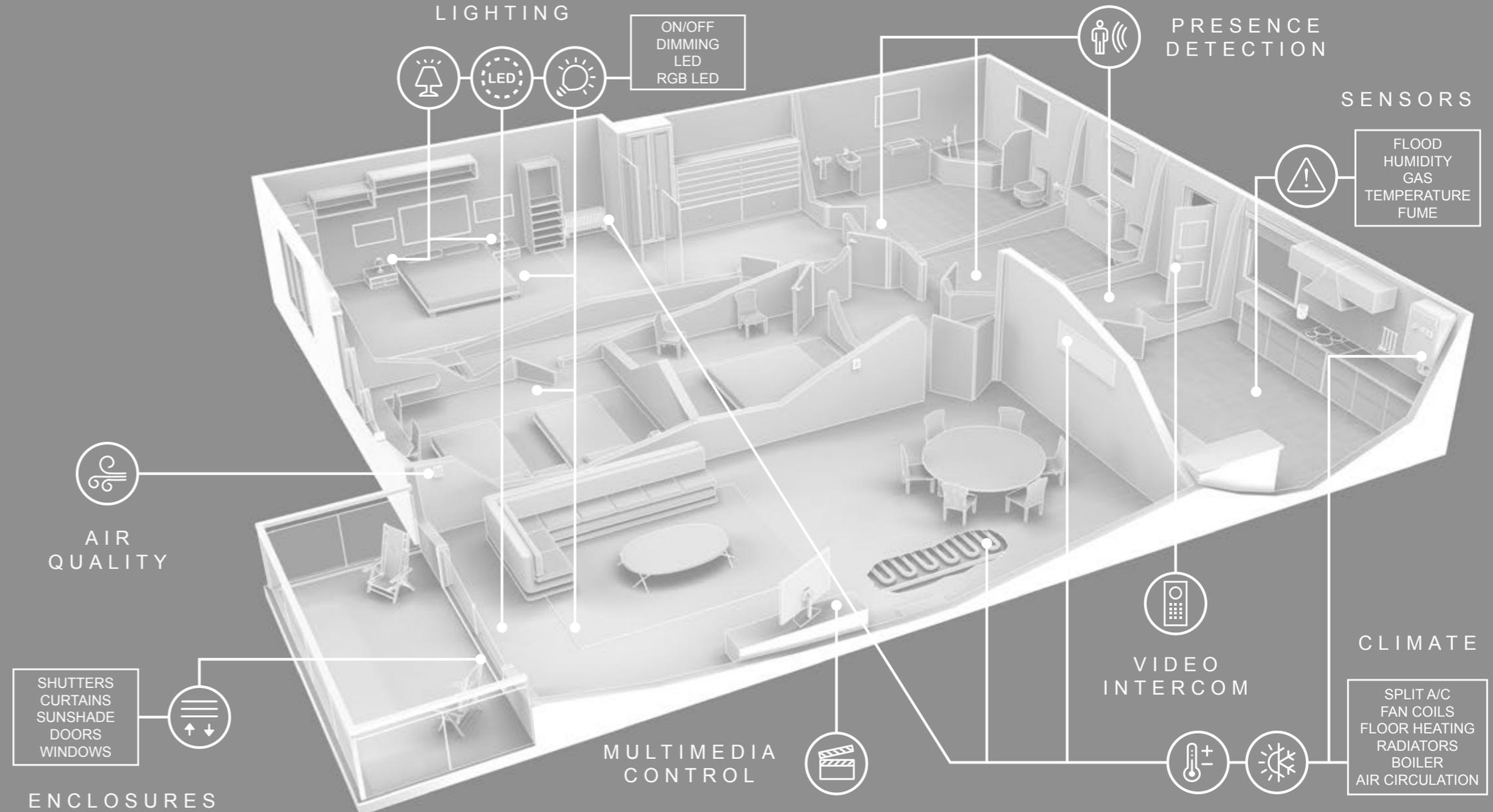


Final adjustments before going to sleep.

A new day full of activity begins tomorrow and they need a restful sleep to perform at their best. It is also Laura's birthday who has invited her best friends. Will David succeed in cooking the giant chocolate cake he has promised her as a gift?



SOLUTION FOR HOME BUILDINGS



RELIABLE TECHNOLOGY

What can we do for you?

- Control of all home automation functions from a single system based on KNX standard: reliable, robust and proved in billions of installations.
- Coordinate professionals for climate, lighting, shutters, sunshades, air quality, multimedia, access control and the communication with them, including video intercom.
- Safeguard your home and warn you in case of any risk, such as fire, flood, smoke, gas or intrusion.
- Use your own smartphone or tablet as a remote controller inside and outside your home, free of charge.

How is it aesthetically?

- Smart, without switches or other additional remote controllers in walls. A single device with all the control.
- Touch panels and switches with capacitive technology and designed by you.
- One design for all the rooms and functions.
- Compatible with standard mechanisms, such as sockets, push buttons, network, USB, telephone or TV connections.

Why is it reliable?

- We design, together with the final owner and/or technicians the control system for the project, integrating all the necessary elements according to their needs.
- We help the installer in charge of the project execution.
- We certify the right installation of the system.
- We keep the documentation of the project for the owner.
- We are responsible for guarantees, enlargements and maintenances, exempting the developer once the installation is certified.

DOMOTIC SOLUTION APPLIED TO HOME BUILDINGS

Local and remote control of the home building.

- Local control through capacitive touch panels and customizable switches with ambient luminosity and proximity sensors, all multifunction devices.
- User can create scenes, macros, timers, schedulers.
- Motion and presence detection for function activation.
- Interaction with the home building from outdoors through certificated apps for mobile devices, including alarms reception.
- Voice control of the home building, integrated with Alexa®, Siri® or Google®.

Lighting.

- Lighting control: incandescent lamps, fluorescent tubes, halogen lamps, LED, RGB, RGBW, DALI, 1-10VDC. ON/OFF, dimming, scenes.
- Indoor lighting management according to natural light input.
- Outdoor lighting control in gardens, swimming pools and other common or private areas.

Enclosures.

- Motorized enclosures control: shutters, sunshades, venetian blind, blinds with slats, doors, windows, garages. Up/down, positioning, scene.
- Weather station with wind, rain, solar radiation and external temperature sensors for advanced management of facades in terms of security, cleaning and lowering the energy consumption.

Climate and air quality.

- Integral climate control: radiators, radiant floor or ceiling for heating and/or cooling, air to water heat pump systems, geothermal systems, solar water heating, water heating tank.
- Forced ventilation control.
- Measurement of air quality: CO2, VOCs.

Multimedia.

- Audio/video systems integration through IR, serial port or IP.

Technical alarms.

- Technical alarms detection: smoke, gas, fire, flood, intrusion. Automatic outage and warning to user.

Energy management.

- Integration of smart electrical appliances
- Power disconnection of electrical appliances, watering system and sockets near rest areas to reduce electromagnetic noise.
- Energy consumption measurement and management: electric, water, gas and others, to activate-deactivate circuits according to user policies.
- Home building management with nearly zero consumption.

Video intercom.

- Integration of the video intercom system and home automation in the same touch panel, for single home buildings or for any type of residential building.
- Remote door opening with electric strike.
- Access control in private and public areas.

Security.

- Integration with video cameras.
- Integration with intrusion alarm, connected with the alarm monitoring company.
- Panic room control.

Benefits for you

- ✔ It will make you and your relatives and easier, more comfortable and secure life.
- ✔ You will save both energy consumption and money.
- ✔ You will manage your home from anywhere in the world at any time.
- ✔ You will definitely give the touch of distinction, exclusivity and impact you are looking for your home.
- ✔ You will add extra value to your home for future sale.
- ✔ Funny and enjoyable. Zennio technology is easy to use and funny.



Customer testimonials

“A product with a very high operational reliability, aesthetics and finishes carefully designed, without breaking your surroundings and functions criteria very consistent to what the customer requests.”

Fudomo, Integrator, Madrid.

“We think that Zennio gives us a plus when selling the house, and as a brand gives us confidence.”

Property Developer Obanos, Madrid.

“In Gran Manzana (Granada), home automation raises the quality level of housing, provides them with technology and improves property user’s life.”

Pedro Núñez Porras, Domonova, Seville.

“Zennio’s Technical Office Support and simplicity in its installation were decisive factors when choosing Zennio for my promotions.”

Carlos Pineda, Property Developer, Talavera de la Reina.

“Home automation provides us with integration, functionality and simplicity in the management and control of our homes.”

Javier Moreno, Property Developer Vía Célere, Madrid.

“Both aesthetics and price were key to provide with KNX home automation to our promotion LUX DIAGONAL, at Barcelona.”

Lofer Real State, Barcelona.

“Easy installation and durability have always been key when choosing Zennio in my installations. The technical support department is always available when you need them.”

Álvaro Ugena, Integrator, Madrid.

“Zennio gives us confidence. It is a very close and very restless manufacturer, which is right in everything it proposes.”

Domoticus, Integrator, Gerona.

“The elegant and simple finishes, as well as the reliability, led me to choose Zennio for my home.”

Ernesto Raez, End-user, Toledo.

“Zennio’s Technical Office never fail to provide a fast and accurate response. We have absolute confidence in their products and designs. Highly recommendable!”

David Vila, Smartcomm, UK.

OTHER SOLUTIONS

RETAIL
BUILDINGS

FRANCHISES

NETWORK OF
BRANCH OFFICES

DOMOTIC SOLUTION APPLIED TO OTHER SOLUTIONS

Retail buildings:

Integral lighting management.

- Constant lighting regulation according to external light input.
- All kind of lamps and field bus like DALI.

Climate management.

- Machine rooms
- Air treatment units
- Variable air volume ventilation systems
- Variable refrigerant volume systems
- Chillers, fan coils, splits, cassettes
- Forced ventilation
- Humidity and air quality control.

Enclosures control.

- Doors, windows, shutters, sunshades
- Integration with the security system.

Presence.

- Activation of functions according to presence detection and crowd density.

Access control .

- Access control system integrated in KNX bus.

Measuring and managing consumption.

- Energy, cold and hot water, gas.

BMS (Building Management System).

- Local for maintenance management in the building
- Remote for centralized maintenance management of several buildings.

Franchises:

- Franchises of restaurant, fashion, design, building materials, etc.
- Climate control, air quality, lighting, security, enclosures, etc. Customization of touch switches with the franchise branding
- Control of installations through tablets and smartphones
- Scenes can be defined and reconfigured by franchise directors according to the customers' experience
- Schedulers for activations, temperature setpoints, scenes
- Energy consumption management
- System monitoring and updating, both locally and remotely
- Full management through franchise proprietary networks or through Zennio Cloud-based solutions
- Reception and handling of customers' feedback with satisfaction surveys about service and quality in franchises
- On-line booking
- Linking several franchises with the hospitality network
- Access control system.

Network of branch offices:

- Banks, transport, etc.
- Climate control, air quality, lighting, security, enclosures, etc.
- Customization of touch switches with the company branding
- Control of the installation with tablets and smartphones
- Schedulers for activations, temperature setpoints, scenes
- Energy consumption management
- System monitoring and updating, both locally and remotely
- Reception and handling of customers' feedback with satisfaction surveys about service and quality
- Activation of functions according to presence detection and crowd density
- Local for maintenance management in the local branch office
- Remote for centralized maintenance management of several branch offices.

PRODUCTS

Z35

Capacitive touch panel with a backlit 3.5" display, proximity sensor, internal temperature probe and thermostat for two independent areas.

It is able to contain up to 42 controls/indicators, distributed in up to 7 pages with a navigation menu. A screensaver with date, time and/or temperature is set when the touch panel is not in use and the menu is shown automatically when the user approaches thanks to the proximity sensor.

Its brightness is regulated by the ambient luminosity sensor included. In addition, it incorporates 4 analog-digital inputs that may be configured as binary inputs for sensors and potential-free push buttons, as temperature probe inputs or as motion sensor inputs. Accessories: temperature probe, motion sensor.

Available options:



Polycarbonate Anthracite



Polycarbonate Silver



Polycarbonate White



ZVI-Z35
(85.4 x 85.4 x 10 mm.)



Z70 COM

Z70 COM is a color capacitive touch panel with 7" display, including the integration with the video intercom Zennio Getface IP System.

Complying with minimalist aesthetics, it provides a total control in smart homes and a complete communication with the video intercom, including microphone and loudspeakers. The proximity sensor built-in makes the screensaver appear when the touch panel is not being used and the luminosity sensor adjusts the brightness automatically.

It is possible the remote control from smartphones and tablets through the free mobile app. Z70 COM incorporates an internal temperature probe, thermostat and 4 analog-digital inputs.

It includes USB port for configuration download and Ethernet port. Plug&play system without additional configurations. Accessories: temperature probe, motion sensor. No compatible with other videointercom systems different from Zennio GetFace IP.

*Check availability.

Available options:



Polycarbonate
Anthracite



Polycarbonate
Silver



Polycarbonate
White



ZVI-Z70COM
(137 x 189 x 12 mm.)

Z41 Lite

Z41 Lite is a capacitive touch panel which represents an advance in Digital Home control.

Minimalist aesthetics, dominated by simple forms, lead to a timeless design that facilitates integration within working and living environments. Its 4.1" color display in portrait (3:4) makes your management and enjoyment easier. Up to 96 controls to enable distributed communication within the intelligent home.

Z41 includes an internal clock with battery and USB port for program updates. Z41 Lite includes 2 analog/digital inputs for great functionality. Available in white, silver and anthracite colors. Accessories: temperature probe and motion sensor.

Frame options:



Polycarbonate
Anthracite



Polycarbonate
Silver



Polycarbonate
White



Aluminium



Golden

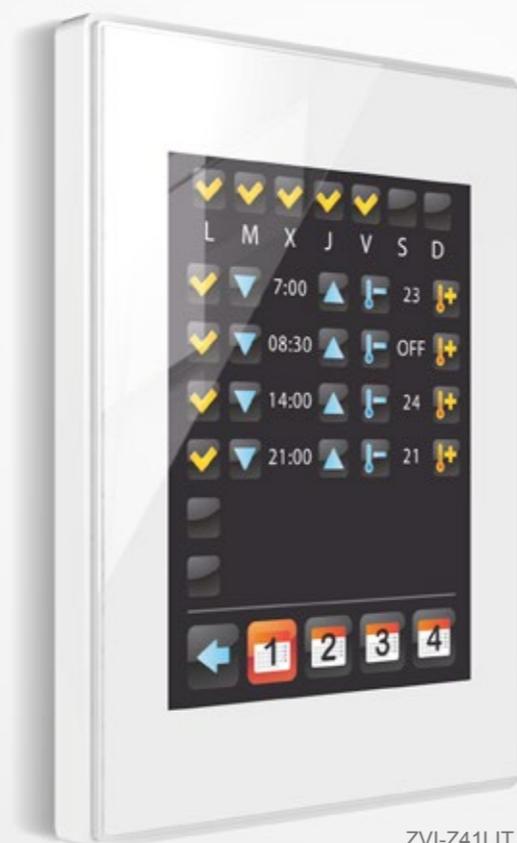


Chrome

Flush-mounted:



Accesory
ZAC-FLTMD



ZVI-Z41LIT
(123 x 90 x 13 mm.)



Z41 Pro

Z41 Pro is a capacitive touch panel with up to 96 control functions

Minimalist aesthetics, dominated by simple forms, lead to a timeless design that facilitates integration within working and living environments. Its 4.1" color display in portrait (3:4) makes your management and enjoyment easier. Up to 96 controls to enable distributed communication within the intelligent home.

Z41 includes an internal clock with battery and USB port for program updates. Includes IP port for remote control from smartphones or tablets through free mobile apps. It also includes 2 analog-digital inputs of great functionality. Available in white, silver and anthracite colors. Accessories: temperature probe and motion sensor.

Frame options:



Polycarbonate
Anthracite



Polycarbonate
Silver



Polycarbonate
White



Aluminium



Golden



Chrome

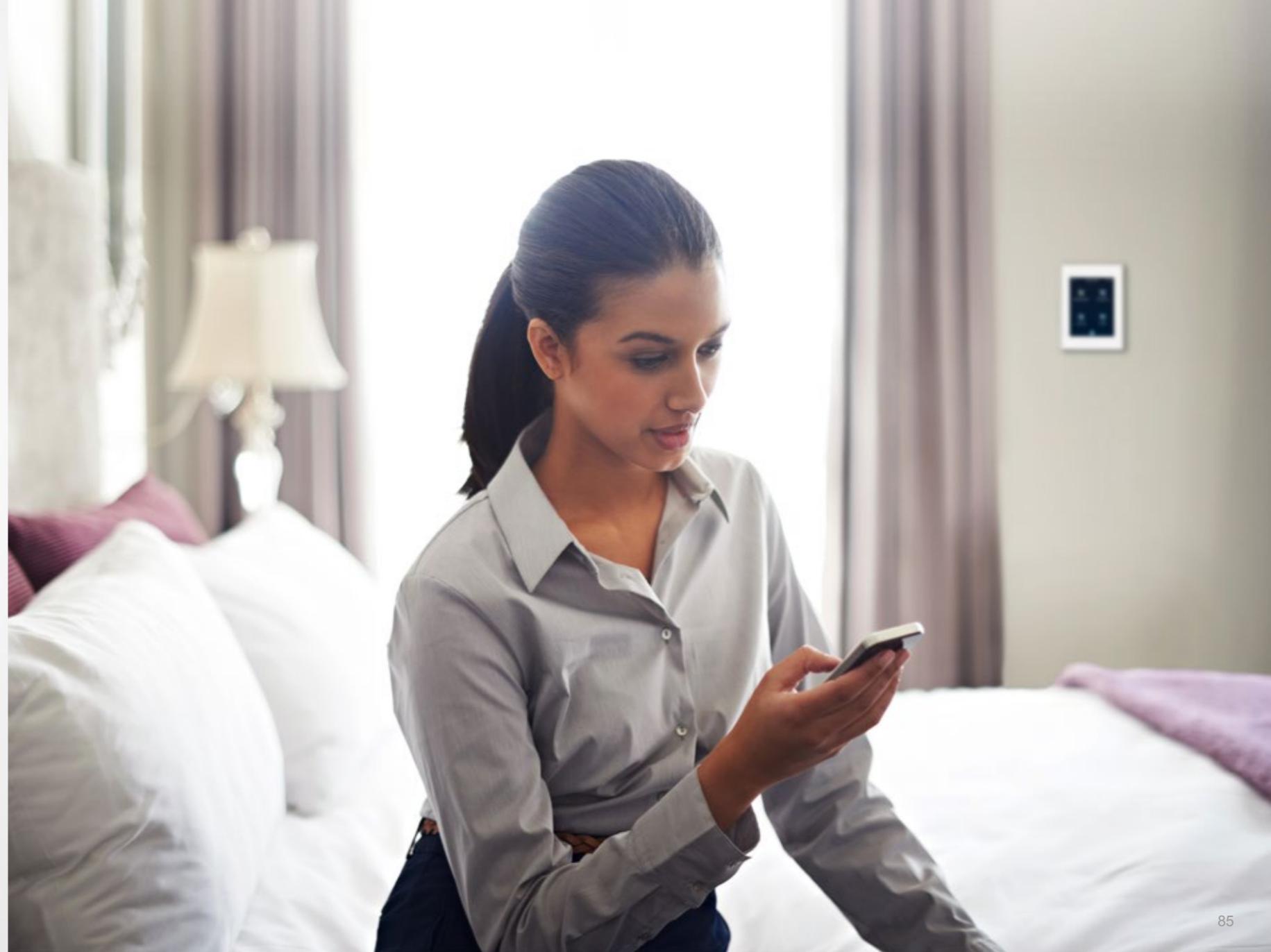
Flush-mounted:



Accessory
ZAC-FLTMD



ZVI-Z41PRO
(123 x 90 x 13 mm.)



Z41 Remote

Z41 Remote is an APP for the visualization and control from mobile devices (smartphones y tablets). You will be able to interact with your installation in a quick, easy and safe way anywhere, anytime! You only need a Z41 Pro connected to the Internet.



Scenes activation
(enter, exit, relax, work, ...)

Automatic real time notifications
and alerts in your mobile
device.

Complete management and
remote controlling of air
conditioning, heating, lighting
and other systems.



Z41 Remote



Z41 COM

Z41 COM is a capacitive touch panel with additional communication features, including video intercom based in Zennio GetFace IP System.

Complying with minimalist aesthetics and with the control capabilities of Z41 family (up to 96 functions available), Z41 COM allows a complete communication in smart homes, thanks to the integration with the video intercom Zennio GetFace IP, including microphone and loudspeakers. Remote control from smartphones and tablets through the free mobile app Z41 Remote.

It includes USB port for configuration download and Ethernet port. Plug&play system without additional configurations. Installation in portrait or landscape is possible. It does not include inputs. No compatible with other videointercom systems different from Zennio GetFace IP.

Frame options:



Polycarbonate Anthracite



Polycarbonate Silver



Polycarbonate White

Flush-mounted:



Accessory ZAC-FLTMD

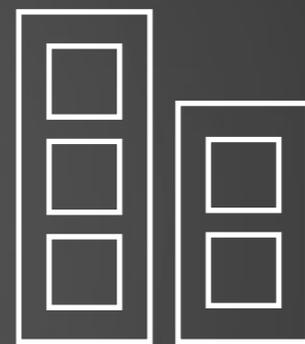


ZVI-Z41COM
(123 x 90 x 13 mm.)



GetFace IP Video Intercom

Zennio GetFace IP is the video intercom system that include the outdoor video intercom unit (with keypad, buttons, RFID card reader...) and the indoor touch panel Z41 COM to receive the external calls, communicate with the outdoor unit and open the door. For community buildings, the IP network infrastructure is also integrated for the communication with each apartment. Z41 COM also provides a complete menu panel with up to 96 KNX controls/indicators and remote control through Z41 Remote app from anywhere.



ZVP-FFRA1/2/3



ZVP-CB1M/2M/3M



Access Control - IWAC Display

Zennio customizable access controller for hotels identifies guests for room access through NFC card, allowing or denying admission to the room or certain common areas according to their permissions.

Room number or name can be shown on its 2.4" OLED display, as well as do-not-disturb or make-up-room status and access information in multiple languages. Each hotel can create unique compositions, including images, icons, texts or logos, which are printed on a high-strength tempered glass. This customization shows or hides up to 3 available buttons which could be used for door bell, corridor lighting control or specific hotel staff functions.

In addition, it incorporates 2 analog-digital inputs that may be configured for potential-free sensors and push buttons, temperature probes or motion sensors. Door opening is secured thanks to Securel (ref. ZIO-SEC), an encrypted relay placed inside the room (safe area). Zennio Server required.

Other accessories for the door lock available are:

- Electric strike • Plate for electric strikes • Anti-panic door lock
- Cylinders • Master key for cylinders • Handles and keyholes
- NFC Card Recorder • NFC Card.

Available options:



Polycarbonate Anthracite



Polycarbonate Silver



Polycarbonate White



ZVI-IWACD
(81 x 81 x 9 mm.)



DOOR LOCK WALL LOCK

Customizable Capacitive Touch Panels

Flat • Square • TMD.

Capacitive touch panels of the TMD and Flat series are fully customizable to fulfil the design requirements of any automation project needing touch panels with a custom aesthetic, either by branding or aesthetic coherence with the environment.

TMD Design is a web application from which it is possible to customize the TMD and Flat series touch panels in an aesthetic and functional way. You can select a color or add an image as a background, modify the color and shape of the tactile areas and LED indicators or adding graphic elements in an intuitive way. A complete set of icons is available along with the ability of adding text to complete your design.

Endless combinations for creating your unique design to be printed in high strength tempered glass.



Flat Display. Customizable

Backlighted capacitive touch panel in Flat family, with proximity sensor, flat design (9mm) and total customization.

Everyone can create unique compositions, including images, icons, texts or logos, which are printed on a high-strength tempered glass. Room control is simple with the 5 buttons available and up to 8 indicators can be shown on its 2.4" display. The backlighted icons for buttons regulate their brightness with the included ambient luminosity sensor and attenuate when the user is not detected by the proximity sensor.

Flat Display includes an internal temperature probe and thermostat, as well as 2 analog-digital inputs that may be configured for potential-free sensors and push buttons, temperature probes or motion sensors. Accessories: temperature probe, motion sensor.
* Check availability.

Available options:



Polycarbonate Anthracite



Polycarbonate Silver



Polycarbonate White



ZVI-FD
(81 x 81 x 9 mm.)



Flat 1/2/4/6. Customizable

Backlighted capacitive touch switches in Flat family, with proximity sensor, flat design (9mm) and total customization.

Everyone can create unique compositions, including images, icons, texts or logos, which are printed on a high-strength tempered glass. There are models with 1, 2, 4 or 6 configurable buttons and backlighted icons, which regulate their brightness with the included ambient luminosity sensor and attenuate when the user is not detected by the proximity sensor.

Flat 1/2/4/6 incorporates an internal temperature probe and thermostat, as well as 2 analog-digital inputs that may be configured for potential-free sensors and push buttons, temperature probes or motion sensors. Accessories: temperature probe, motion sensor.

Available options:



Polycarbonate Anthracite



Polycarbonate Silver



Polycarbonate White



ZVI-F4
(81 x 81 x 9 mm.)





ZVI-F1
(81 x 81 x 9 mm.)



ZVI-F2
(81 x 81 x 9 mm.)



ZVI-F4
(81 x 81 x 9 mm.)



ZVI-F6
(81 x 81 x 9 mm.)

Flat 1/2/4/6. Standard Design

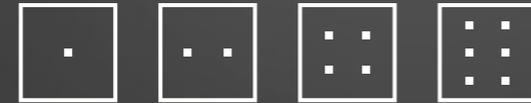


ZVI-F1
(81 x 81 x 9 mm.)

Available colours:



Available options:



Flat 55 Display. Customizable

Backlighted capacitive touch panel with round display in Flat 55 family (standard frames 55x55mm), with proximity sensor, flat design (9mm) and total customization.

Everyone can create unique compositions, including images, icons, texts or logos, which are printed on a high-strength tempered glass. Room control is simple with the 4 buttons available and up to 4 indicators can be shown on its central display. The backlighted icons for buttons regulate their brightness with the included ambient luminosity sensor and attenuate when the user is not detected by the proximity sensor.

Flat 55 Display includes a thermostat, as well as 2 analog-digital inputs that may be configured for potential-free sensors and push buttons, temperature probes or motion sensors. Accessories: temperature probe, motion sensor.
* Check availability.

Available options:



Polycarbonate Anthracite



Polycarbonate Silver



Polycarbonate White



ZVI-F55D
(55 x 55 x 9 mm.)



Flat 55 X1/X2/X4. Customizable

Backlighted capacitive touch switches in Flat 55 family (standard frames 55x55mm), with flat design (9mm) and total customization.

Everyone can create unique compositions, including images, icons, texts or logos, which are printed on a high-strength tempered glass.

There are models with 1, 2 or 4 configurable buttons and backlighted icons, which regulate their brightness with the included ambient luminosity sensor and attenuate when the user is not detected by the proximity sensor. Accessories: temperature probe, motion sensor.

*Check availability.

Available options:



Polycarbonate
Anthracite



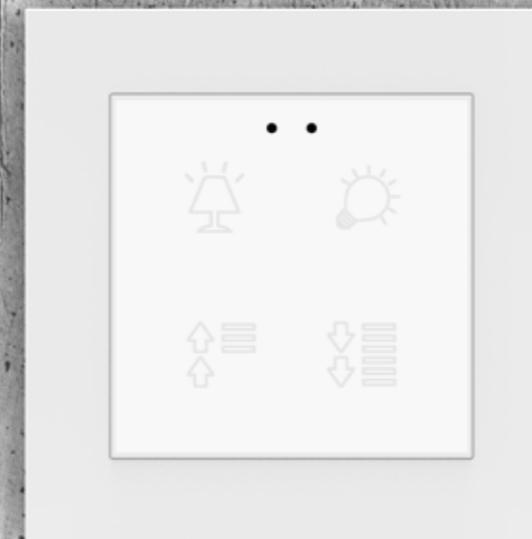
Polycarbonate
Silver



Polycarbonate
White



ZVI-F55X2
(55 x 55 x 9 mm.)





ZVI-F55X1
(55 x 55 x 9 mm.)



ZVI-F55X2
(55 x 55 x 9 mm.)

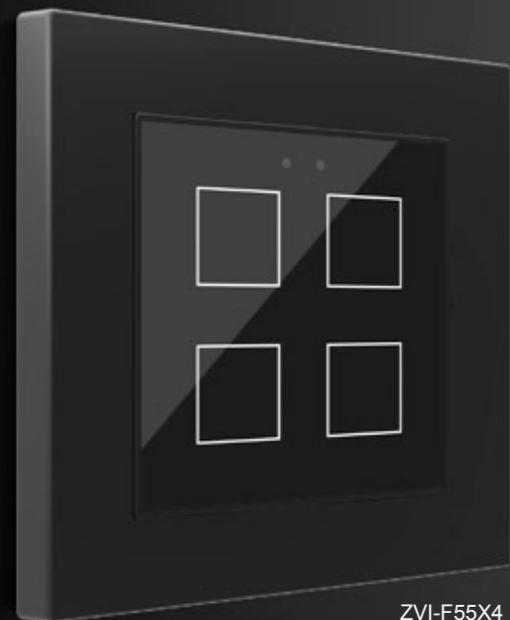


ZVI-F55X4
(55 x 55 x 9 mm.)



ZVI-F55X1
(55 x 55 x 9 mm.)

Flat55 X1/X2/X4. Standard Design



ZVI-F55X4
(51 x 51 x 9 mm.)

Available colours:



Available options:



Presentia W

Presence detector for flush mounted in wall, with a detection area of 180° and up to 10 meters length of detection.

It includes several channels to be configured for lighting switching control according to luminosity threshold or according to presence detection only. Sensitivity settings can be adjusted for each sensor individually. Master/slave configuration allows using several detectors for larger areas.

*Check availability.

Opciones disponibles:



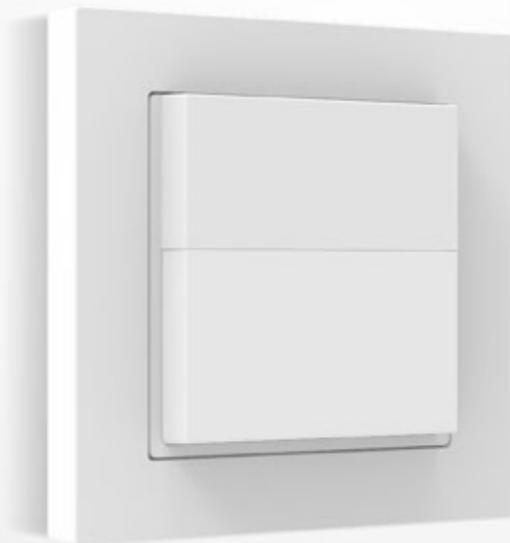
Polycarbonato Antracita



Polycarbonato Plata



Polycarbonato Blanco



ZPD-W10
(81 x 81 x 9 mm.)



Square TMD-Display. Customizable

Square TMD-Display is a capacitive touch panel with 5 multifunction buttons and 1.8" backlit display.

Totally customizable touch panel to cause the desired aesthetic impression in any ambience. Everyone can create unique compositions, which could include images, icons, texts or logos. This customization is printed on a high-strength tempered glass with a polycarbonate frame to finish off the author's work.

Square TMD-Display allows selecting the function of each button and indicators shown in the display. Square TMD-Display also includes thermostat function, internal temperature probe and two analog/digital inputs. Accessories: temperature probe and motion sensor.

Frame options:



Polycarbonate Anthracite



Polycarbonate Silver



Polycarbonate White

Flush-mounted:



Accessory ZAC-FLSQTMD



ZVI-SQTMDD
(90.2 x 90.2 x 12 mm.)





Square TMD-Display installed at Panorama Hotel & Resort (Island of Sotra – Norway): www.panoramahotell.no

Located at the island of Sotra in Norway, it is a carefully designed hotel conceived to offer guests a concept of nature, relaxation and comfort. The Hotel refurbished some of its rooms and equipped them with Square TMD-Display, which enables guests to regulate the lighting and room temperature, enhancing their comfortability.

Square TMD. Customizable

Square TMD is a capacitive switch with 1, 2, 4 or 6 multifunction buttons.

Square TMD is a KNX switch with capacitive buttons that satisfies the design requirements of any project thanks to its total customization: everyone can create unique compositions, which could include images, icons, texts or logos. This customization is printed on a high-strength tempered glass with a polycarbonate frame to finish off the author's work.

Square TMD 1, 2, 4 or 6 allows selecting the function for each button and also includes thermostat function, internal temperature probe and two analog/digital inputs. Accessories: temperature probe and motion sensor.

Frame options:



Polycarbonate
Anthracite



Polycarbonate
Silver

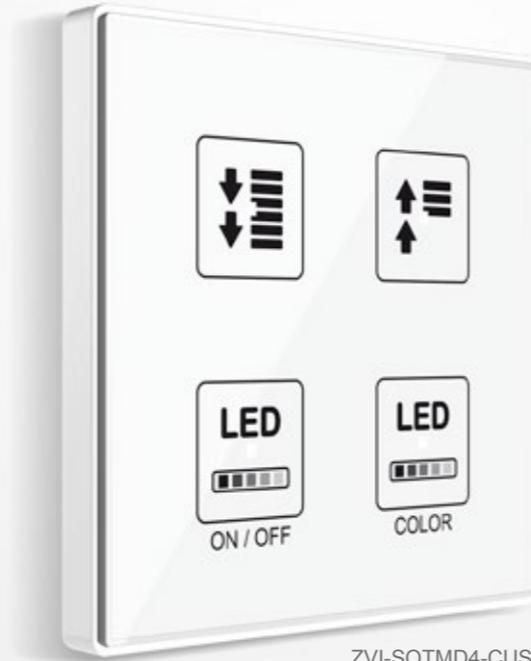


Polycarbonate
White

Flush-mounted:

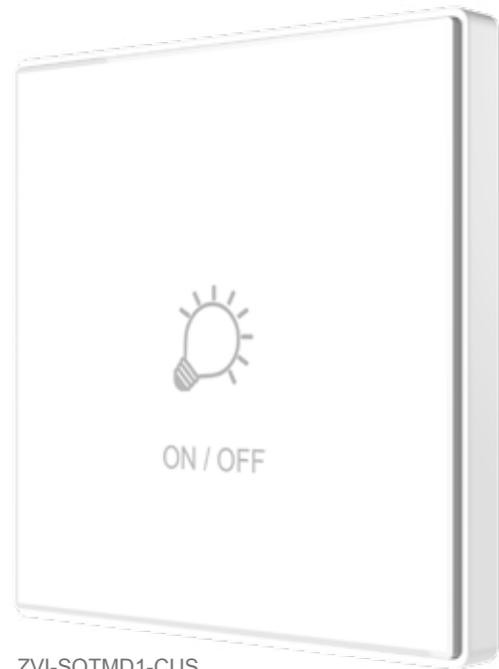


Accessory
ZAC-FLTMD



ZVI-SQTMD4-CUS
(90.2 x 90.2 x 12 mm.)





ZVI-SQTM1-CUS
(90.2 x 90.2 x 12 mm.)



ZVI-SQTM2-CUS
(90.2 x 90.2 x 12 mm.)



ZVI-SQTM4-CUS
(90.2 x 90.2 x 12 mm.)



ZVI-SQTM6-CUS
(90.2 x 90.2 x 12 mm.)

Square TMD. Standard Design



ZVI-SQTMD2-A
(90.2 x 90.2 x 12 mm.)

Available colours:



Available options:



TMD-Display One. Customizable

TMD-Display One is a room controller with a 1.8" backlit display that will cause the desired aesthetic impression in any ambience.

Everyone can create unique compositions, which could include images, icons, texts or logos. This customization is printed on a high-strength tempered glass.

TMD-Display One is able to manage climate, audio, shutters, lights... all through an intuitive and modern touch panel with 8 buttons.

It also includes thermostat function, internal temperature probe and two analog/digital inputs. Accessories: Temperature probes and motion sensor.

Frame options:



Polycarbonate
Anthracite



Polycarbonate
Silver



Polycarbonate
White



Aluminium



Golden



Chrome

Flush-mounted:



Accessory
ZAC-FLTMD



ZVI-TMDD
(122.7 x 90.2 x 12 mm.)

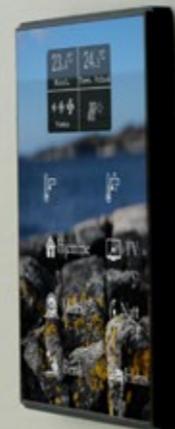
TMD-Display One installed in Portal Hills Hotel (Portals Nous - T.M. Calvià - Mallorca - Spain):
www.portals-hills.com

Portal Hills, located in Mallorca, offers a unique and unforgettable experience of comfort and relaxation for guests that appreciate architecture and design.

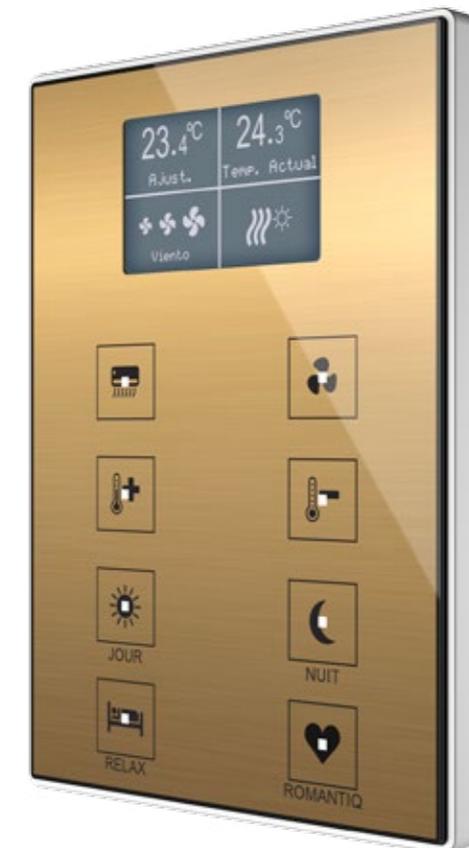
This hotel with interiors designed by Luc Van Acker is equipped with TMD-Display One in each room, keeping hotel identity and good taste.



TMD-display installed at
Panorama Hotel & Resort.
(Island of Sotra – Norway).
www.panoramahotell.no



ZVI-TMDD
(122.7 x 90.2 x 12 mm.)



ZVI-TMDD
(122.7 x 90.2 x 12 mm.)

TMD-Display View. Customizable

TMD-Display View is a room controller with a 1.8" backlit display that will cause the desired aesthetic impression in any ambience.

It is able to manage climate, audio, shutters, lights... thanks to its 32 functions distributed in up to 4 pages accessible by pressing or sliding on the central area of the panel.

TMD-Display View also includes thermostat function, internal temperature probe and two analog/digital inputs for great functionality. Its customization is based on a professional printing on a high-strength tempered glass. Accessories: Temperature probes and motion sensor.

Frame options:



Polycarbonate Anthracite



Polycarbonate Silver



Polycarbonate White



Aluminium



Golden



Chrome

Flush-mounted:



Accessory ZAC-FLTMD



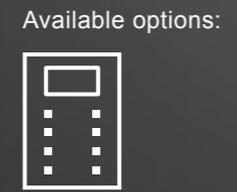
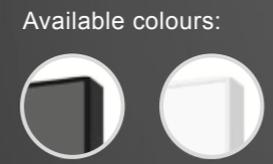
ZVI-TMDV
(122.7 x 90.2 x 12 mm.)



TMD-Display View. Standard Design



ZVI-TMDV-PA
(122.7 x 90.2 x 12 mm.)



ZVI-TMDV-PW
(122.7 x 90.2 x 12 mm.)

TMD-Plus. Customizable

TMD Plus is a KNX switch with capacitive buttons that satisfies the design requirements of any building thanks to its total customization.

Everyone can create unique compositions, which could include images, icons, texts or logos, as well as decide how to install it (portrait or landscape). This customization is printed on a high-strength tempered glass.

Four, six or eight buttons are the available formats, so that pairs or individual buttons can be used as personalized controls with LED indicators. TMD Plus has 5 LEDs that can be used as additional buttons to assign direct functions. It also includes thermostat function, internal temperature probe and two analog/digital inputs. Accessories: temperature probe and motion sensor.

Frame options:



Polycarbonate
Anthracite



Polycarbonate
Silver



Polycarbonate
White



Aluminium



Golden



Chrome

Flush-mounted:



Accesory
ZAC-FLTMD



ZVI-TMDP4
(122.7 x 90.2 x 12 mm.)

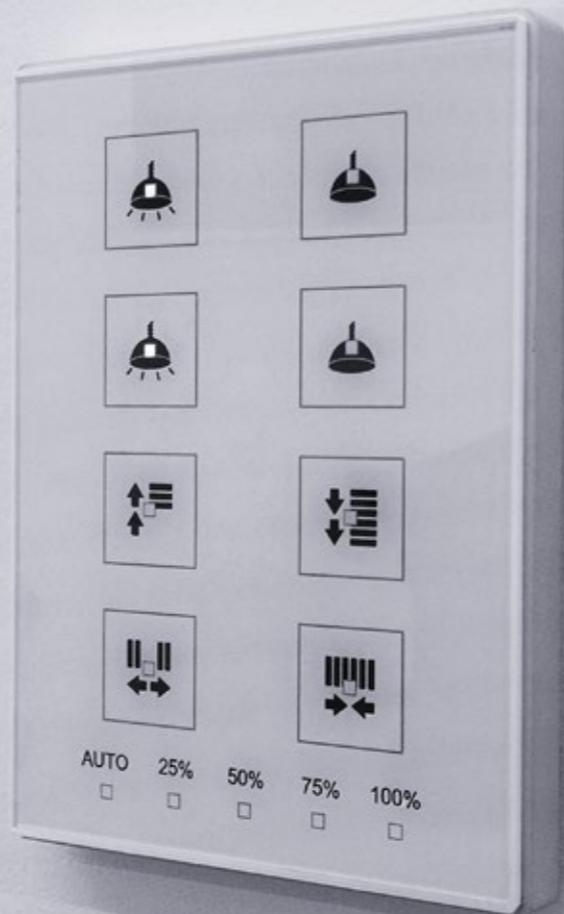




TMD Plus installed at Wargaming's Headquarters
(Nicosia – Cyprus): www.wargaming.com

Located in Cyprus, is globally the largest online war gaming provider.

The building accommodates company's global departments fitted with TMD Plus switches to handle the lights, shutters, blinds..., and deliver to its personnel a comfortable working environment.

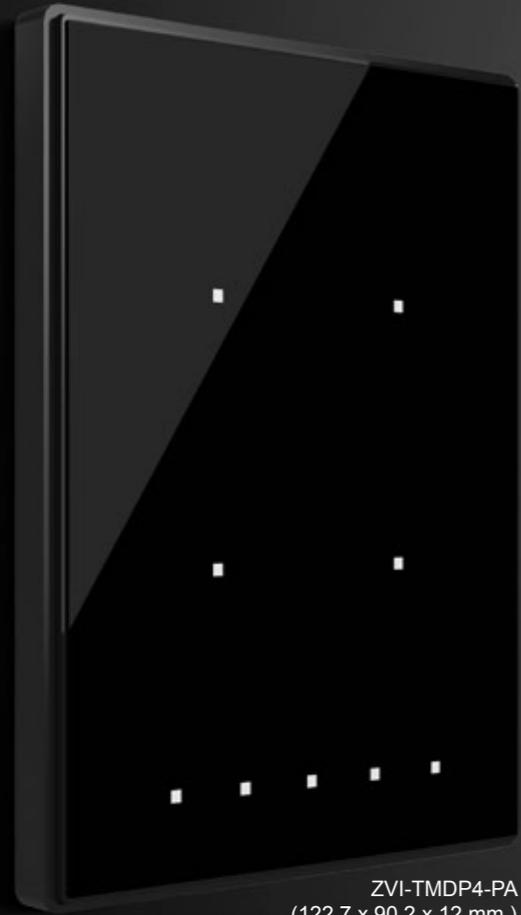


ZVI-TMDP6
(122.7 x 90.2 x 12 mm.)



ZVI-TMDP4
(122.7 x 90.2 x 12 mm.)

TMD-Plus. Standard Design



ZVI-TMDP4-PA
(122.7 x 90.2 x 12 mm.)

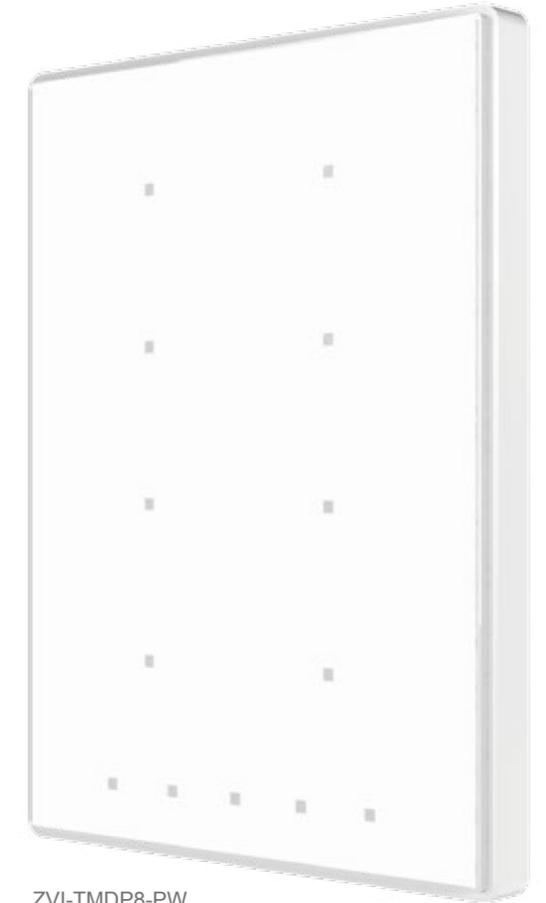
Available colours:



Available options:



ZVI-TMDP6-PS
(122.7 x 90.2 x 12 mm.)

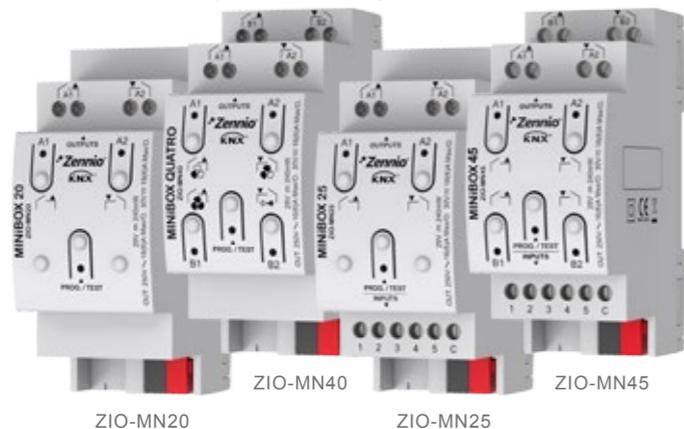


ZVI-TMDP8-PW
(122.7 x 90.2 x 12 mm.)

Multifunction Actuators

Multifunction Actuators

(90 x 69 x 37 mm.)



MINiBOX 20 / 40 (QUATRO) / 25 / 45

Multifunction actuator for DIN rail (2 units) with 2/4 outputs (16A C-load) which offer multiple configurations as shutter channels, individual outputs or even 2-pipe fancoil controller (only model ZIO-MN40). It allows manual control of its outputs thanks to the push buttons on the cover and includes a logical function module. Models ZIO-MN25 and ZIO-MN45 also incorporate 5 analog-digital inputs that may be configured as binary inputs for sensors and potential-free push buttons, as temperature probe inputs or as motion sensor inputs, as well as four room thermostats to control heating/cooling systems. Accessories: Temperature probes, motion sensor and AC/DC shutter adapters.



inBOX 24

Multifunction actuator for flush mounting with 2 outputs (16A C-Load) which offer multiple configurations as shutter channel or individual outputs. It allows manual control of its outputs and includes 10 independent logical functions. In addition, it incorporates 4 analog-digital inputs that may be configured as binary inputs for sensors and potential-free push buttons, as temperature probe inputs or as motion sensor inputs. Accessories: Temperature probes, motion sensor and AC/DC shutter adapters.

ZIO-IB24 (52 x 47 x 28 mm.)

MAXinBOX 66



Multifunction sensor-actuator for DIN rail (4.5u) with 6 outputs (16A C-load) which offer multiple configurations as shutter channels or individual outputs. It allows manual control of its outputs thanks to the push buttons on the cover. It includes 10 independent logical functions. In addition, it incorporates 6 analog-digital inputs that may be configured as binary inputs for sensors and potential-free push buttons, as temperature probe inputs or as motion sensor inputs. Four room thermostats to control heating/cooling systems are included. Accessories: Temperature probes, motion sensor and AC/DC shutter adapters.

ZN110-MB66
(90 x 60 x 80 mm.)

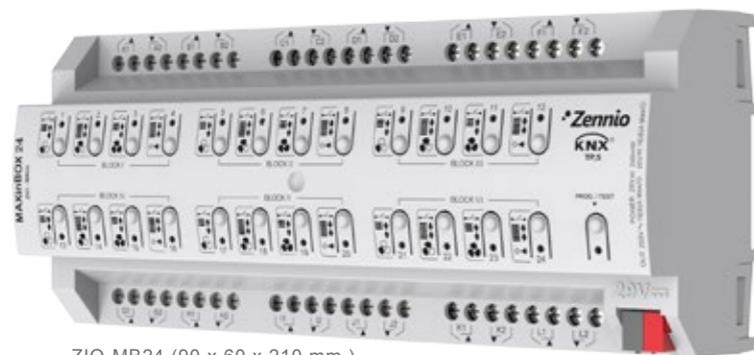


inBOX 20

Multifunction actuator for flush mounting with 2 outputs (16A C-Load) which offer multiple configurations as shutter channel or individual outputs. It allows manual control of its outputs and includes 10 independent logical functions. Accessories: AC/DC shutter adapters.

ZIO-IB20 (52 x 47 x 27 mm.)

Multifunction Actuators



ZIO-MB24 (90 x 60 x 210 mm.)

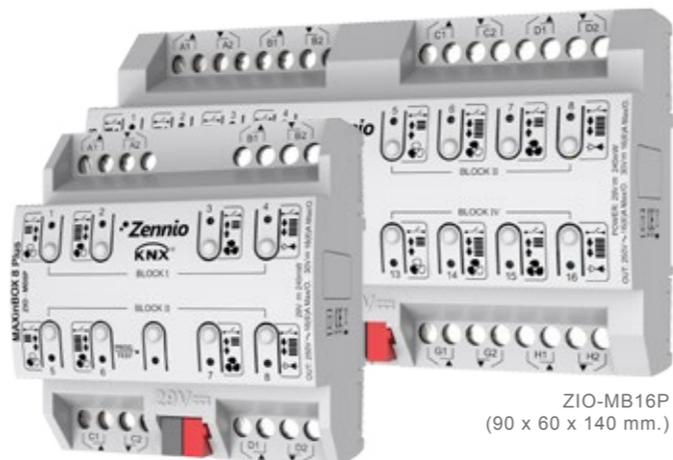
MAXinBOX 24

KNX Multifunction actuator for DIN rails (12 units) that offers multiple configurations of up to 12 shutter channels, up to 24 independent outputs of 16A (capacitive loads supported) and up to 6 blocks of 2-pipes fan coil controller. It allows manual control of its outputs thanks to the push buttons on the cover. LED indicators can show the status of its outputs. It includes 30 independent logical functions to enlarge the versatility of the automations in KNX system. Accessories: AC/DC shutter adapters.

MAXinBOX 8 Plus

Multifunction actuator for DIN rail (4,5 units) with 8 outputs (16A C-Load) which offer multiple configuration as shutter channels, as individual outputs or as blocks of 2-pipes fan coil controller. It allows manual control of its outputs thanks to the push buttons on the cover.

It includes 20 independent logical functions. Accessories: AC/DC shutter adapters.



ZIO-MB8P (90 x 60 x 80 mm.)

ZIO-MB16P (90 x 60 x 140 mm.)

MAXinBOX 16 Plus

Multifunction actuator for DIN rail (8 units) with 16 outputs (16A C-Load) which offer multiple configuration as shutter channels, as individual outputs or as blocks of 2-pipes fan coil controller. It allows manual control of its outputs thanks to the push buttons on the cover. It includes 20 independent logical functions. Accessories: AC/DC shutter adapters.

MAXinBOX SHUTTER 8CH



ZIO-MBSHU8 (90 x 60 x 140 mm.)

Shutter actuator for DIN rail (8 units) It includes a module with 20 logical functions and allows manual control of the outputs with status indication through LEDs. Accessories: AC/DC shutter adapters.



ZIO-MBSHU4 (90 x 60 x 80 mm.)

MAXinBOX SHUTTER 4CH

Shutter actuator for DIN rail (4.5 units) It includes a module with 20 logical functions and allows manual control of the outputs with status indication through LEDs. Accessories: AC/DC shutter adapters.

Shutter Actuators



ZAC-SHUC1C (90 x 69 x 37 mm.)

Shutter Coupler 1CH

Shuter adapter for DIN rail (2 units) AC/DC to convert the shutter channel AC output into a DC output to control 12/24VDC shutters.



ZAC-SHUC2C (90 x 69 x 37 mm.)

Shutter Coupler 2CH

Shuter adapter for DIN rail (2 units) AC/DC to convert up to two shutter channels AC outputs into DC outputs to control 12/24VDC shutters.



ZDI-DBDX2
(90 x 60 x 80 mm.)

DIMinBOX DX2

Universal DIMMING actuator (RLC, LED, CFL) for DIN rail (4.5u): 2 channels for up to 310W or 1 channel for up to 600W @ 230VAC (2 channels for up to 200W or 1 channel for up to 400W @ 110-125VAC). Auto load type detection (RLC). Configurable dimming curves for LED and CFL. It allows manual control of its outputs thanks to the push buttons on the cover. It includes 10 independent logical functions. In addition, it incorporates 2 analog-digital inputs that may be configured as binary inputs for sensors and potential-free push buttons, as temperature probe inputs or as motion sensor inputs. Error detection: short circuit, voltage surge, overheating, anomalous frequency, supply voltage failure, parameterization error. Accessories: Temperature probes and motion sensor.



ZDI-IBD (52 x 47 x 28 mm.)

inBOX DIM

Universal dimmer (RLC, LED, CFL) for flush mounting with one channel for up to 250W @230VAC (200W @110-125VAC). Auto load type detection (RLC). Configurable dimming curves for LED and CFL. It allows manual control of its outputs thanks to the push buttons on the cover. It includes 10 independent logical functions. In addition, it incorporates 2 analog-digital inputs that may be configured as binary inputs for sensors and potential-free push buttons, as temperature probe inputs or as motion sensor inputs. Error detection: short circuit, voltage surge, overheating, anomalous frequency and supply voltage failure. Accessories: Temperature probes and motion sensor. *Check availability.

Lumento C3 ^{ZDI-RGBCC3} (144 x 44 x 22 mm.)



Lumento C4 ^{ZDI-RGBCC4} (144 x 44 x 22 mm.)

Lumento X3/X4 is a LED Dimmer oriented to LED technology with constant voltage regulation for 12 to 24 V through pulse width modulation (PWM). It has a manual test button to check the channels functioning. Up to 2,5A/channel. Lumento X3. 3 channels, configurable as 3 independent channels or 1 RGB channel. Lumento X4. 4 channels, configurable as 4 independent channels or 1 RGBW channel.



ZDI-RGBDX4
(90 x 60 x 80 mm.)

Lumento DX4

LED dimmer with 4 channels (RGBW or single channels) oriented to LED technology with constant voltage regulation and DIN rail mounting (4,5 units). The dimming channels can be configured as 4 independent channels, 1 RGBW channel or 1 RGB channel + 1 individual channel. It includes 6 analog-digital multifunction inputs that can be configured as binary inputs for sensors and potential-free push buttons or as motion sensor inputs. It has manual test buttons to check the channels functioning. Power supply: 12-30VDC. Maximum current per channel: 6A. Accessories: motion sensor.

Lumento X3 ^{ZN1DI-RGBX3} (144 x 44 x 22 mm.)



Lumento X4 ^{ZN1DI-RGBX4} (144 x 44 x 22 mm.)

Lumento C3/C4 is a LED Dimmer oriented to LED technology with constant current regulation. It has a manual test button to check the channels functioning. Maximum current selection with parameter and manual selector: 220, 300, 350, 500, 550, 630, 700 or 750, 900 and 1000 mA. Lumento C3. 3 channels that can be configured as 3 independent channels or 1 RGB channel. Lumento C4. 4 channels that can be configured as 4 independent channels, 1 RGBW channel or 1 RGB channel + 1 individual channel.

Lumento X3. 3 channels, configurable as 3 independent channels or 1 RGB channel. Lumento X4. 4 channels, configurable as 4 independent channels or 1 RGBW channel.

DALIBOX Interface 64/32

KNX-DALI Interface for DIN rail (4.5 units) to control up to 64 DALI independent ballasts, which can be associated in up to 32 groups. It includes a display for easy addressing when a ballast is replaced and also help to assign ballasts to groups. Error indicators for each ballast.



ZDI-DLI (90 x 60 x 80 mm.)

DALIBOX BROADCAST 4CH

KNX-DALI Broadcast interface for DIN rail (4.5 units) to control up to 4 channels of up to 20 DALI ballasts with broadcast commands and with up to 10 configurable scenes/sequences for each channel. It allows manual control and status indicator LEDs for each channel.



ZDI-DLB4 (90 x 60 x 80 mm.)

DALIBOX BROADCAST 6CH

KNX-DALI Broadcast interface for DIN rail (4.5 units) to control up to 6 channels of up to 20 DALI ballasts with broadcast commands and with up to 10 configurable scenes/sequences for each channel. It allows manual control and status indicator LEDs for each channel.



ZDI-DLB6 (90 x 60 x 80 mm.)



ZCL-2XFC2P (90 x 60 x 80 mm.)

ZCL-4XFC2P (90 x 60 x 140 mm.)

MAXinBOX FANCOIL 2CH2P MAXinBOX FANCOIL 4CH2P

Fan coil controller for DIN rail (4.5/8 units) of up to 2/4 fan coil units of 2-pipes fan coil. It includes a module with 20 logical functions and allows manual control of the outputs with status indication through LEDs.

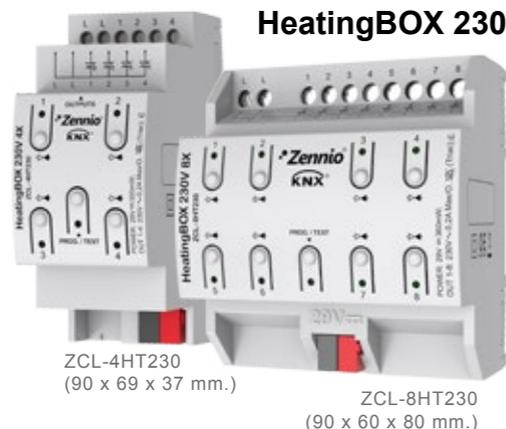
MAXinBOX Hospitality

Fan coil controller for 2 or 4-pipes unit with 2-points valves or 3-points valve (only for 2-pipes fan coil unit) and up to three fan speeds, for DIN rail (4,5 units). It includes 2 independent outputs 16A C-Load. Moreover, it has 6 analog-digital multifunction inputs that can be configured as binary inputs for sensors and potential-free push buttons, as temperature probe inputs or as motion sensor inputs. It includes Master Light function, 10 logical functions and allows manual control of the outputs with status indication through LEDs.

Accessories: temperature probe and motion sensor.



ZCL-HP126 (90 x 60 x 80 mm.)



HeatingBOX 230V 4X

HeatingBOX 230V 8X

Actuator for climate systems based on water pipes which allows the control of up to 4/8 outputs for on/off valves operated at 230 VAC by means of triac with short-circuit protection. It includes one independent thermostat for each output and a module with 10 logical functions. It allows manual control of the outputs with status indication through LEDs.

ZCL-4HT230
(90 x 69 x 37 mm.)

ZCL-8HT230
(90 x 60 x 80 mm.)

Multiroom Climate Controller - MCC

Climate controller for up to 14 rooms with an independent thermostat in each room that works according to the room status: sold/unsold and occupied/non-occupied. It allows a dynamic configuration of the service facilities such as hotels, hospitals, etc., where the central control with a BMS (Building Management System) is required. Master/slave function if a redundant unit is desirable.



ZCL-MCC
(90 x 69 x 37 mm.)

ZCL-ZB4 (90 x 60 x 80 mm.)



ZoningBOX 4

ZoningBOX 6

Actuator for DIN rail (4.5 units) for air conditioning climate systems with zoning. It controls motorized 12/24VDC grilles in up to 4/6 zones (up to 2 grilles per zone). Temperature management in up to 12 zones with additional ZoningBOX 4/6 modules to activate the additional zones. Management of settings for the air conditioning climate systems (up to two units): on/off, setpoint, mode, fan speed, according to the zones enabled. Manual control of outputs and LED indicators of movement of the grilles.

ZCL-ZB6 (90 x 60 x 80 mm.)



IRSC - IRSC ZONE

A/C unit control module. IRSC is a KNX infrared air conditioner controller able to manage more than 300 A/C unit models from different manufacturers. IR transmitter included.

ZN1CL-IRSC
(45 x 45 x 14 mm.)



ZCL-FC010F
(90 x 60 x 80 mm.)

MAXinBOX FC 0-10V FAN

Controller for up to two 2-pipe or 4-pipe fan coil units with on/off valves and 0-10VDC fan speed control signal. Mounted on DIN rails (4.5u). 4 multifunction outputs (16A C-Load) that can be used for the control of the fan coil on/off valves or any other purpose. 4 analog-digital multifunction inputs that can be configured as binary inputs for sensors and potential-free push buttons, as temperature probe inputs or as motion sensor inputs. It also includes 2 thermostats and 10 logical functions. Manual control of outputs and status indication through LEDs. Accessories: temperature probe and motion sensor.



ZCL-FC010V
(90 x 60 x 80 mm.)

MAXinBOX FC 0-10V VALVE

Controller for one 2-pipe or 4-pipe fan coil unit with 0-10V valves. Its 4 outputs (16A C-load) can be used to control the fan speed or as individual outputs. It has 4 analog-digital multifunction inputs that can be configured as binary inputs for sensors and potential-free push buttons, as temperature probe inputs or as motion sensor inputs. It also includes 2 thermostats, 10 logical functions and allows manual control of the outputs with status indication through LEDs. DIN rail mounting (4,5 units). Accessories: temperature probe and motion sensor.



ZN1CL-KLIC-DI
(90 x 60 x 35 mm.)

KLIC-DI. DAIKIN

KNX bus to commercial and industrial Daikin units interface. 2 DIN rail units. KLIC-DI is a bidirectional communication interface for integrating commercial and industrial air-conditioning units manufactured by Daikin with KNX.



ZN1CL-KLIC-DA
(90 x 60 x 35 mm.)

KLIC-DA. DAIKIN

KNX bus to Altherma by Daikin units interface. 2 DIN rail units. KLIC-DA is a bidirectional communication interface for integrating Altherma units manufactured by Daikin with KNX.



ZCL-DD3
(45 x 45 x 14 mm.)

KLIC-DD3. DAIKIN

KNX bus to residential Daikin interface. KLIC-DD3 is a bidirectional communication interface for integrating domestic air-conditioning units manufactured by Daikin with KNX. It includes 3 analog-digital inputs for temperature probes, motion sensor or dry contact binary inputs (switches, sensors or push buttons) and 10 logical functions. Accessories: temperature probe and motion sensor.



ZCL-FJ
(39 x 39 x 10,5 mm.)

KLIC-FJ. FUJITSU

Zennio gateway to control Fujitsu, General and Hiyasu air conditioning units from KNX system in a bidirectional way. It includes 3 analog-digital inputs for temperature probes, motion sensor or dry contact binary inputs (switches, sensors or push buttons) and 10 logical functions. Accessories: temperature probe and motion sensor.
* Check availability



ZCL-TS
(39 x 39 x 10,5 mm.)

KLIC-TS. TOSHIBA

Zennio gateway to control Toshiba air conditioning units from KNX system in a bidirectional way. It includes 3 analog-digital inputs for temperature probes, motion sensor or dry contact binary inputs (switches, sensors or push buttons) and 10 logical functions. Accessories: temperature probe and motion sensor.
* Check availability



ZCL-MITT
(39 x 39 x 10,5 mm.)

KLIC-MITT. MITSUBISHI

Zennio gateway to control Mitsubishi Electric air conditioning units through IT terminal connector from KNX system in a bidirectional way. It includes 3 analog-digital inputs for temperature probes, motion sensor or dry contact binary inputs (switches, sensors or push buttons) and 10 logical functions. Accessories: temperature probe and motion sensor.



ZIO-BIN2X
(39 x 39 x 10,5 mm.)

BIN 2X

Universal interface with 2 binary inputs/LED outputs. BIN 2X is a module with 2 configurable channels as binary inputs or LED outputs. Binary inputs can be configured as sensors, switches or potential-free push buttons. Binary outputs can be used for low current LED control. Installation in standard mounting box.

BIN 4X

Universal interface with 4 binary inputs/LED outputs. BIN 4X is a module with 4 configurable channels as binary inputs or LED outputs. Binary inputs can be configured as sensors, switches or potential-free push buttons. Binary outputs can be used for low current LED control. Installation in standard mounting box.



ZIO-BIN4X
(39 x 39 x 10,5 mm.)

BIN 44

Universal interface with 4 binary inputs and 4 LED outputs. BIN 44 is a module with 4 binary inputs and 4 LED outputs. Binary inputs can be configured as sensors, switches or potential-free push buttons. Binary outputs can be used for low current LED control. Installation in standard mounting box.



ZIO-BIN44
(39 x 39 x 10,5 mm.)



ZIO-QUADP
(39 x 39 x 14 mm.)

QUAD Plus

Input module with 4 analog-digital inputs for standard mounting box. Analog/digital inputs can be configured as binary inputs for sensors and potential-free push buttons, as temperature probe inputs or as motion sensor inputs. Four room thermostats for heating/cooling control systems included. Accessories: Temperature probes and motion sensor.

RailQUAD 8

Input module with 8 analog-digital inputs for DIN rail (2 units). The analog/digital inputs can be configured as binary inputs for sensors and potential-free push buttons, as temperature probe inputs or as motion sensor inputs. Eight room thermostats for heating/cooling control systems included. Accessories: Temperature probes and motion sensor.



ZIO-RQUAD8
(90 x 69 x 37 mm.)



ZAC-SQAT-A
(90.2 x 90.2 x 12 mm.)

SQ-Ambient

This accessory completes the Square family to keep a uniform aesthetics when integrating ambient temperature probes, providing beauty to this technical element. Available in standard colors (white, silver and anthracite colors) it is possible to customize the design too, just as the whole TMD family
*Check availability for customizable design.



ZN110-DETEC-P
ZN110-DETEC-X
Ø 48.9 mm.

Motion sensor with luminosity threshold

The motion sensor with infrared detection technology is complemented by an integrated luminosity sensor, which makes the device even more useful (ZN110-DETEC-P). Directly connected to the input of all the Zennio devices that include motion sensor as an option in their inputs module (see the datasheet of the device). Motion detection area can be increased by installing two sensors in parallel to the same input. Easy installation and small size. It does not require any other type of connection or power supply.

Motion sensor

Motion sensor with infrared detection technology (ZN110-DETEC-X). Directly connected to the input of all the Zennio devices that include motion sensor as an option in their inputs module (see the datasheet of the device). Motion detection area can be increased by installing two sensors in parallel to the same input. Easy installation and small size. It does not require any other type of connection or power supply.

Temperature probes

Temperature probes available in steel and epoxy.
Steel: 1,5m. (-30°C a 125°C). ZN1AC-NTC68S.
Epoxy stiff cable: 2,3m. (-30°C a 90°C). ZN1AC-NTC68F.
Epoxy: 1,5m. (-30°C a 90°C). ZN1AC-NTC68E.



Flat Sensato

KNX Humidity and temperature sensor for flush mounting with a flat design. It measures ambient temperature, relative humidity and calculates dew-point, so that it can send alarms for humidity, temperature and condensation. The LED indicator shows the current relative humidity status. It includes 10 logical functions and 2 analog-digital inputs, which can be configured as binary inputs for sensors and potential-free push buttons, as temperature probe inputs or as motion sensor inputs. Available in standard colors (white, anthracite and silver). Accessories: Temperature probes and motion sensor.

Available options:



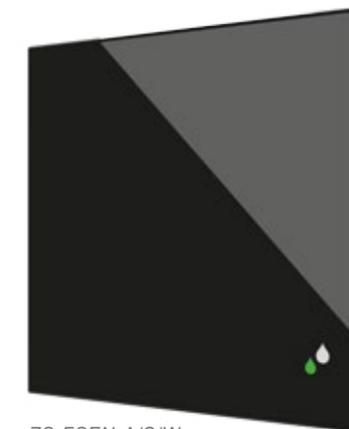
Anthracite



Silver



White



ZS-FSEN-A/S/W
(81 x 81 x 9 mm.)



ZPD-C30L (Ø 83.5 mm.)

Presentia C

Presence detector with luminosity sensor for ceiling mounting, with a detection area of 360° and up to 30 meters diameter. It includes several channels to be configured for constant luminosity regulation, lighting switching control according to luminosity threshold or according to presence detection only. Sensitivity settings can be adjusted for each sensor individually and luminosity can be calibrated to the working environment values. Master/ slave configuration allows using several detectors for larger areas. Flush mounted or surface mounted (accessory included).



ZN1CL-IRSC
(45 x 45 x 14 mm.)

IRSC-OPEN

IR-KNX Bus unidirectional open protocol interface. IRSC OPEN is a KNX BUS interface that allows control of audio/video consumer electronics via an infrared transmitter. IR transmitter included.



ZN1RX-SKXOPEN
(45 x 45 x 14 mm.)

SKX-OPEN / ADVANCE

KNX Bus to RS-232 interface. SKX OPEN is a KNX-RS232 bidirectional communication interface. SKX Open allows integrating external devices with KNX, via an RS232 port. The main feature is the possibility of integrating multiple devices with KNX regardless of the protocol and manufacturer. Configurable RS232 communication control. RS232 cable included.



ZMU-AUIR
(45 x 45 x 14 mm.)

AudioInRoom

KNX audio system that allows playing music from a smartphone through Bluetooth or from an auxiliary audio input, with two stereo channels 7W or 20W. Accessories: loudspeakers 5" 7W or 20W. * Check availability.

ZN1AC-CST120



ZIO-KESP
(90 x 69 x 37 mm.)

KES Plus

KES Plus. KNX Electrical energy meter Zennio electrical energy meter for single-phase or three-phase systems. It can measure and notify in KNX system, not only the consumed or produced energy (KWh), but also the associated cost according to 6 different tariffs, the CO2 emissions, instant active and reactive power, power factor and other information related with the use of electric energy in the building. Alarms and notifications can be configured as warnings when power exceeds the limits established, for example, to disconnect low priority systems to reduce consumption. In addition, 10 logical functions are added to enlarge the versatility of the automations in KNX system. Accessory: Current transformer ZN1AC-CST60 and ZAC-CST120.



ZRX-KCI4S0
(90 x 69 x 37 mm.)

KCI. KNX Interface for consumption meters

KCI. KNX Consumption Interface (KCI) is the Zennio KNX interface for four consumption meters with S0-pulse outputs to monitor their electricity (energy and power), water and/or gas (volume and flow rate) consumption measure in the KNX bus. A removable battery allows buffering S0 pulses during a KNX power failure and recovers the real consumption afterwards. LED indicators make the user able to check the existence of communication through each S0 channel, as well as the battery status (low battery and/or run out of battery), which is also indicated in the KNX bus. DIN rail mounting device (2 DIN rail units).



KNX-IP Router PLess

Zennio KNX-IP Router PLess can be used as line coupler or area coupler with a IP based backbone or main line, through KNXnet/IP Routing protocol. It also allows programming or monitoring a device from the IP network (PC, BMS system...) by using KNXnet/IP Tunneling protocol (up to 4 connections at the same time). It does not need external power supply nor PoE.

ZSY-IPR-PL
(90 x 70 x 35 mm.)



KNX-IP Interface PLess

Zennio KNX-IP Interface PLess allows programming or monitoring a device in a KNX subnetwork (line or area) from the IP network (PC, BMS system...) by using KNXnet/IP Tunneling protocol (up to 4 connections at the same time). It does not need external power supply nor PoE.

ZSY-IPI-PL
(90 x 70 x 35 mm.)



Zennio Linecoupler

Linecoupler is the KNX linecoupling and line-repeating solution. It connects lines with galvanic isolation filter. Telegram dropping to reduce traffic.

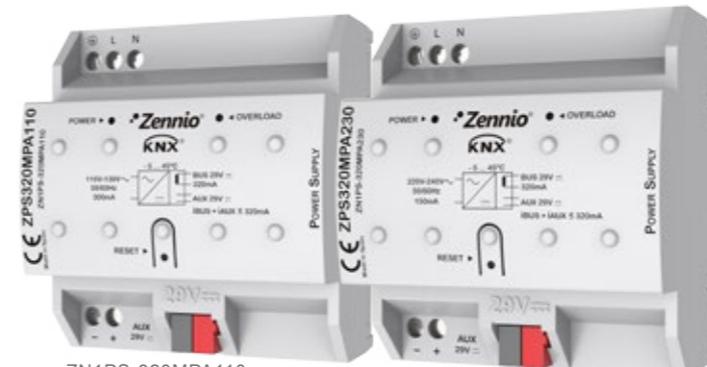
ZN1SY-LCTP
(90 x 70 x 35 mm.)



KNX USB Interface

KNX installations programmer via USB. KNX and USB Status LED. ETS detects the KNX-USB Interface after connecting to the computer. It allows monitoring the KNX bus with ETS.

ZN1SY-USBP
(90 x 71 x 36 mm.)



ZN1PS-320MPA110
(90 x 60 x 80 mm.)

ZN1PS-320MPA230 (90 x 60 x 80 mm.)

ZPS320MPA110 ZPS320MPA230

KNX System Power Supply with additional 29VDC output. Maximum current 320mA (KNX bus plus additional output consumption). Reset button and overload status LED, short-circuit and overload protection. 230/110V~ 50/60Hz input voltage. Installation in DIN rail (4.5 units).

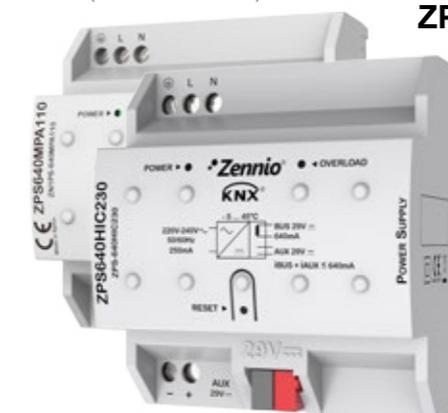


ZN1PS-160MPA
(90 x 60 x 35 mm.)

ZN1PS-160MPA

KNX System Power Supply with additional 29VDC output. Maximum current 250mA (up to 160mA to KNX bus plus additional output consumption). This power supply is ideal for small KNX installations. 230V~ 50/60Hz input voltage. Installation in DIN rail (2 units).

ZN1PS-640MPA110
(80 x 90 x 60 mm.)



ZPS-640HIC230
(90 x 60 x 80 mm.)

ZPS640MPA110

ZPS-640HIC230

KNX System Power Supply with additional 29VDC output. Maximum current 640mA (KNX bus plus additional output consumption). Reset button and overload status LED, shortcircuit and overload protection. 230/110V~ 50/60Hz input voltage. Installation in DIN rail (4.5 units).

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