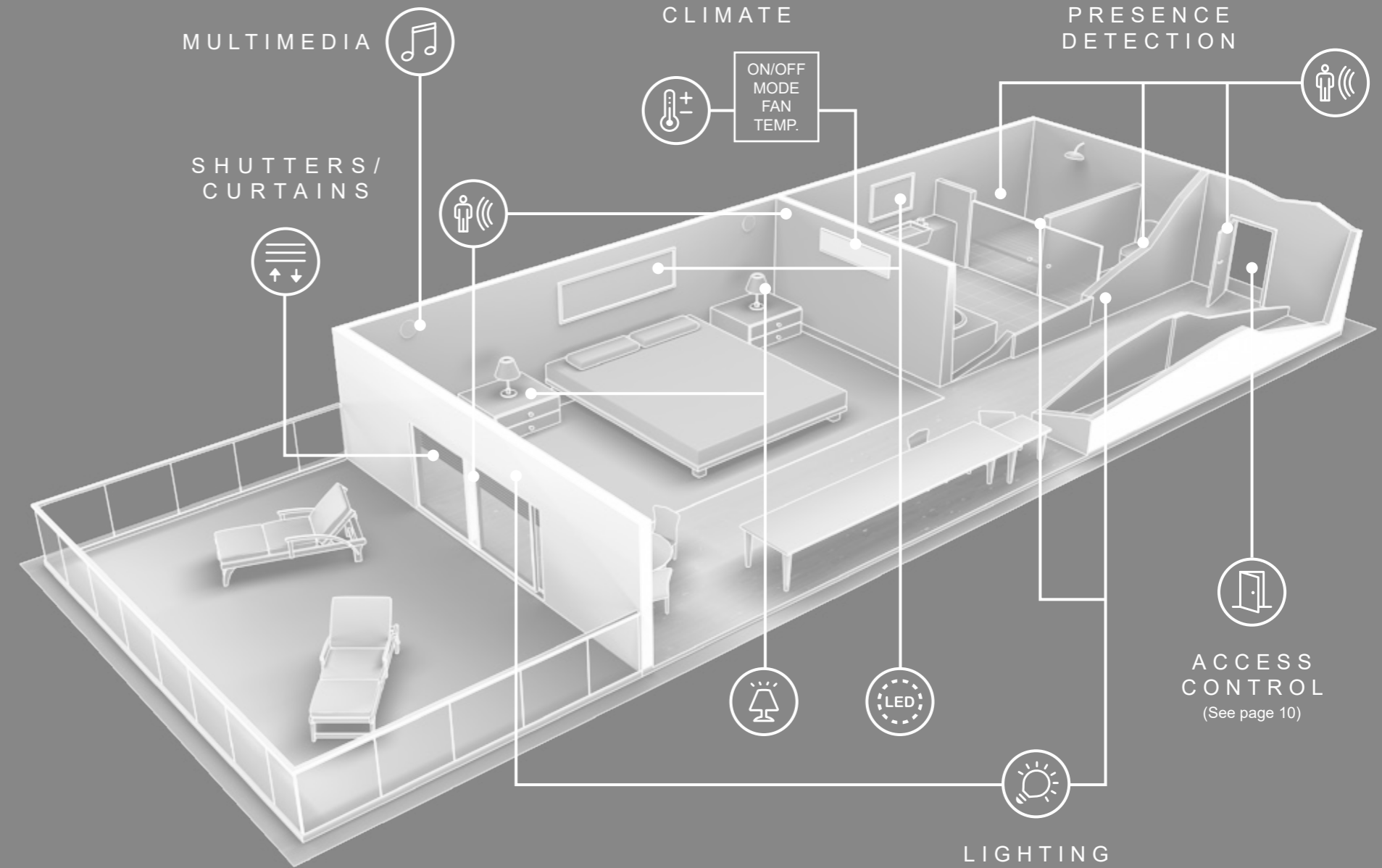


***Zennio***<sup>®</sup>

Home, Building & Hotel Automation Solutions

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# 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.



# 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, etc.

## Enclosures control.

- ❑ Shutters, blackouts, venetian blinds, roller blinds and 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/GRMS.
- ❑ 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 and outdoor terraces.
- ❑ 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/GRMS.
- ❑ 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/GRMS.

## 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 uses 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 or room number to guest and DND/MUR status to hotel staff.
- They are integrated in BMS/GRMS 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.

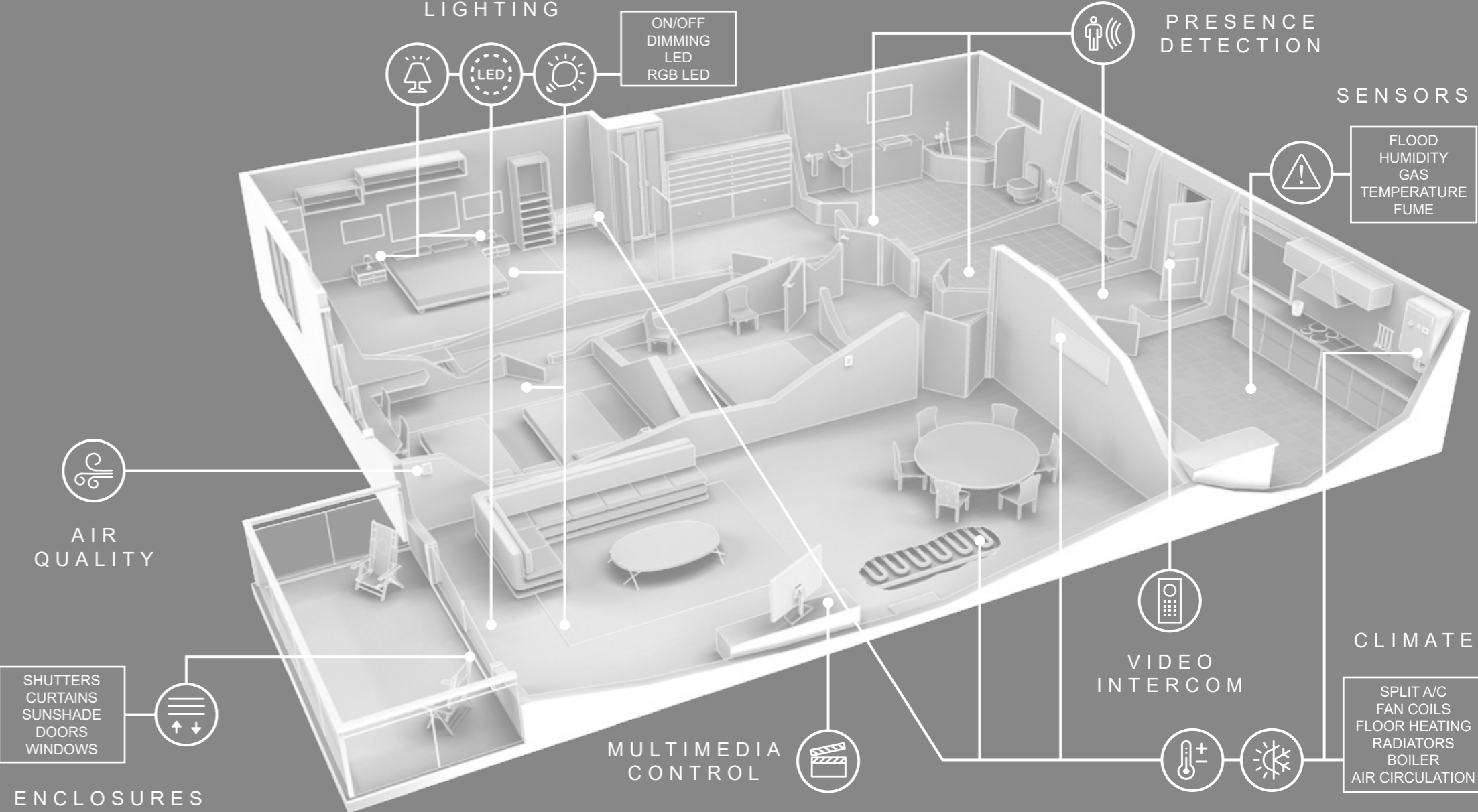
# Zennio BMS/GRMS. Technical Management of Hotels

What is a BMS/GRMS and what is it for?

- Building Management System/Guest Room 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.



# 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 and 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 and 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 and garages. Up/down, positioning and scenes.
- ❑ 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 and 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 and 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.

# 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 and cassettes.
- Forced ventilation.
- Humidity and air quality control.

### Enclosures control.

- Doors, windows, shutters and 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 and 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 and 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 and 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.
- BMS (Building Management System). Local for maintenance management in the local branch office.
- BMS (Building Management System). Remote for centralized maintenance management of several branch offices.

# PRODUCTS

# Z35

Capacitive touch panel with a backlitged 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 and motion sensor.

Available cover options:



Anthracite



Silver



White



Gloss white



ZVI-Z35-A  
(85 x 85 x 10 mm)



Z35 installed in **Hotel & Spa La Residencia Puerto Tarifa** (Málaga) - Spain.  
[www.hotelspalaresidenciapuerto.com-tarifa.com](http://www.hotelspalaresidenciapuerto.com-tarifa.com)

The hotel has rooms with the latest technology for the guest to get a superior experience: lighting regulation, air conditioning management, execution of personalized scenes, indication of privacy status in room, and so on.

# Z70

Z70 is a color capacitive touch panel with 7" display.

Complying with minimalist aesthetics, provides a total control in smart homes. The proximity sensor built-in makes the screensaver appear when the touch panel is not being used and the luminosity sensor adjust the brightness automatically. Z70 incorporates an internal temperature probe, thermostat and 4 analog-digital inputs. It includes USB and Ethernet port for configuration download. Installation in standard double mounting box.

Advanced features can be activated with the following licenses:

- Smartphone Control License – Remote control from smartphones and tablets through the free mobile app.
- Video Intercom License – Integration with the video intercom Zennio GetFace IP.
- Video Call License – Reception of calls from video intercom Zennio GetFace IP in mobile app.
- Voice Control License – Integration with Alexa®, Siri® or Google® for voice control.

Accessories: temperature probe and motion sensor.  
\* Check availability.



ZVIZ70A  
(137 x 189 x 12 mm)

Available cover options:



Anthracite



Silver



White



Gloss white



# 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 Lite includes an internal clock with battery, USB port for program updates and 2 analog/digital inputs for great functionality.

Accessories: temperature probe and motion sensor.

## Frame options:



Polycarbonate  
Anthracite



Polycarbonate  
Silver



Polycarbonate  
White



Aluminium



Golden



Chrome

## Flush-mounted:



Accessory  
ZAC-FLTMD



ZVI-Z41LIT-W  
(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 Pro includes an internal clock with battery, USB port for program updates and 2 analog/digital inputs for great functionality. An IP port is incorporated for remote control from smartphones or tablets through free mobile apps.

Accessories: temperature probe and motion sensor.

## Frame options:



Polycarbonate  
Anthracite



Polycarbonate  
Silver



Polycarbonate  
White



Aluminium



Golden



Chrome

## Flush-mounted:



Accessory  
ZAC-FLTMD



ZVI-Z41PRO-SP  
(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.



Automatic real-time notifications and alerts in your mobile device.

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

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



## 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 video intercom systems different from Zennio GetFace IP.

## Frame options:



Polycarbonate  
Anthracite



Polycarbonate  
Silver



Polycarbonate  
White



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

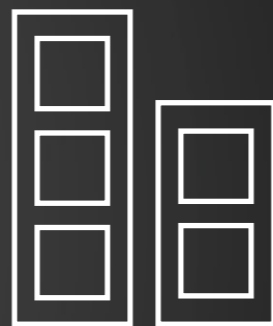


# GetFace IP Video Intercom

Zennio GetFace IP is the video intercom system that includes 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 or Bluetooth®, 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.

Available in White/Black standard and customized. Other accessories for the door lock available are Electric strike, Plate for electric strikes, NFC Card Recorder and NFC Cards. Compatible with cards MIFARE DESFire EV1 and MIFARE Classic.



ZVIIWACDV2  
(81 x 81 x 9 mm)

Available cover options:



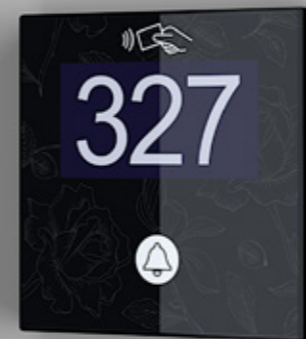
Anthracite



Silver



White



# IWAC Display - Standard design



ZV11WACDV2A  
(81 x 81 x 9 mm)

Available colours:



Available options:



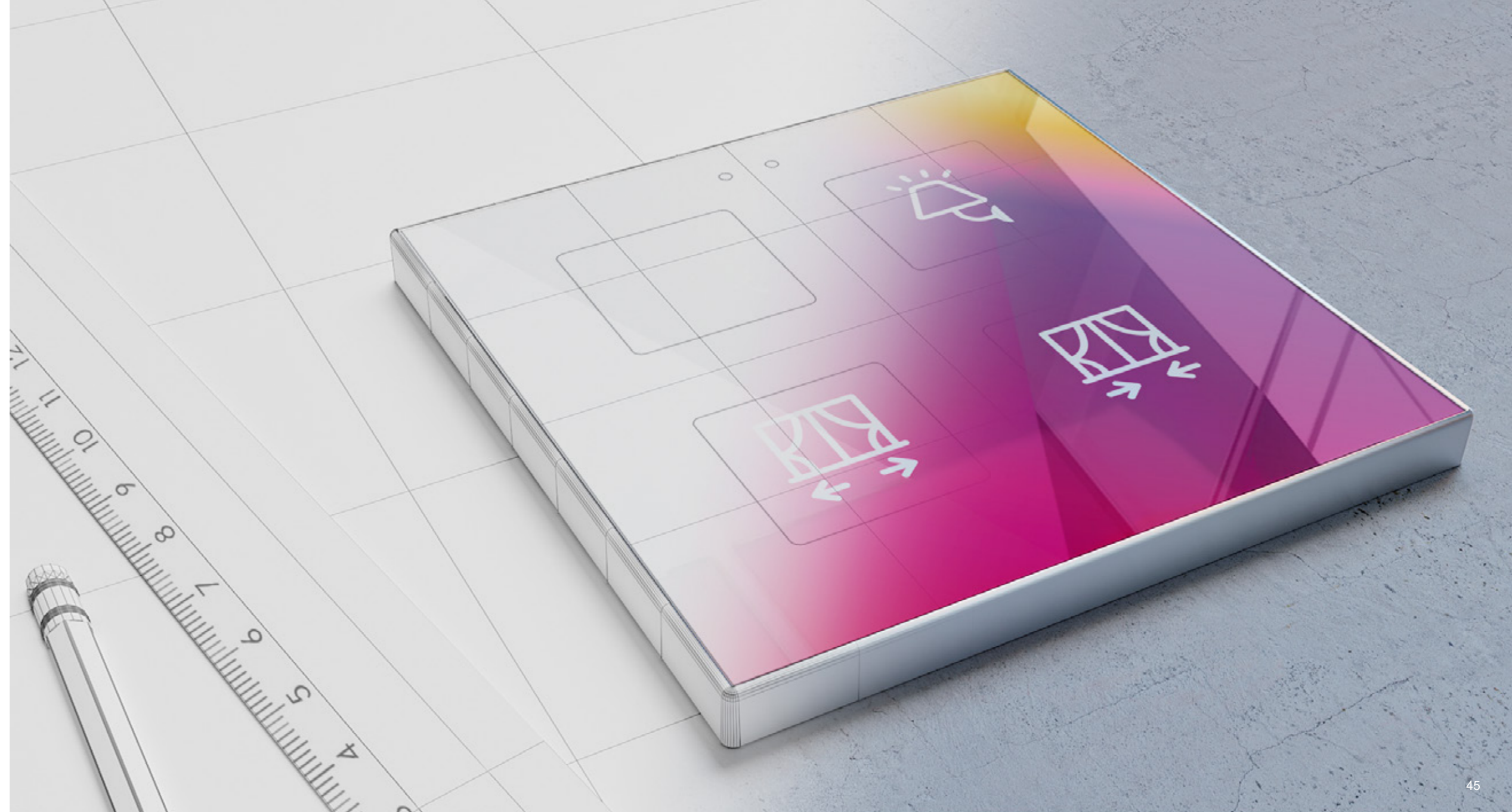
# Customizable capacitive touch panels

Flat · Flat 55 · Square TMD · 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 these 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 add 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 (9 mm) 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 and motion sensor.

Available cover options:



Anthracite



Silver



White



Gloss 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 (9 mm) 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 and motion sensor.

Available cover options:



Anthracite



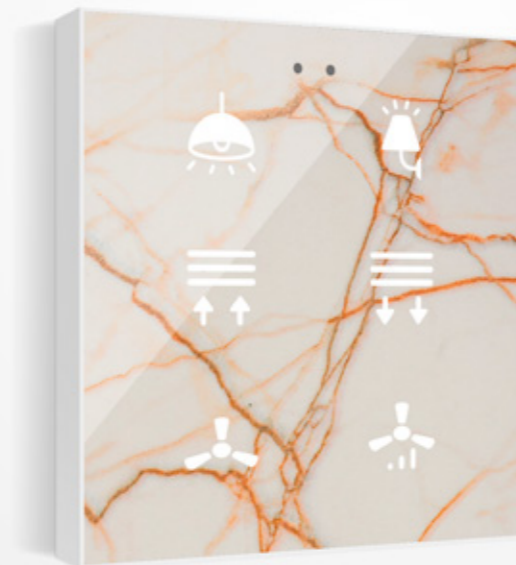
Silver



White



Gloss white



ZVI-F6  
(81 x 81 x 9 mm)





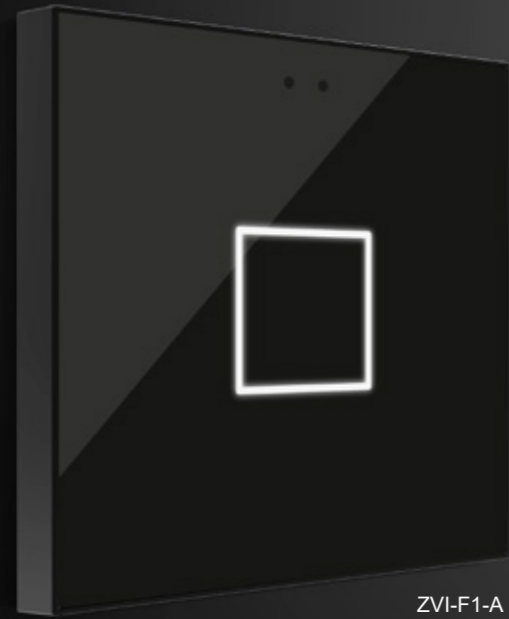
ZVI-F4  
(81 x 81 x 9 mm)



ZVI-F2  
(81 x 81 x 9 mm)



# Flat 1/2/4/6 - Standard design



ZVI-F1-A  
(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 55x55 mm), with proximity sensor, flat design (9 mm), with 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. Installation in standard mounting box with 55x55 frames of 1/2/3/4 modules (white, gloss white, anthracite or silver). Frame no included.

Accessories: temperature probe and motion sensor.

Available cover options:



Anthracite



Silver



White



Gloss 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 55x55 mm), with flat design (9 mm) 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. Installation in standard mounting box with 55x55 frames of 1/2/3/4 modules (white, gloss white, anthracite or silver). Frame no included.

Accessories: temperature probe and motion sensor.

Available cover options:



Anthracite



Silver



White



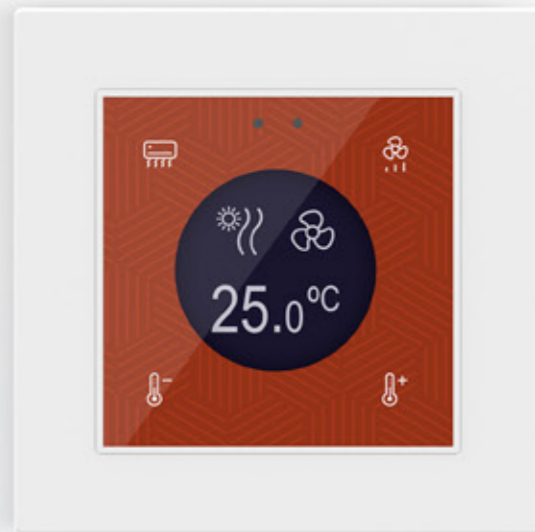
Gloss white



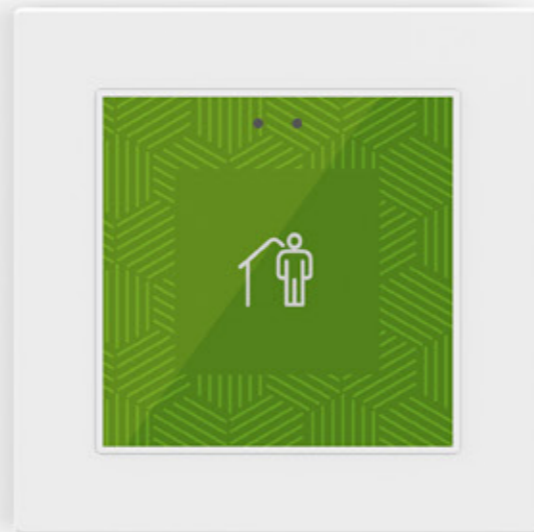
ZVI-F55X2  
(55 x 55 x 9 mm)



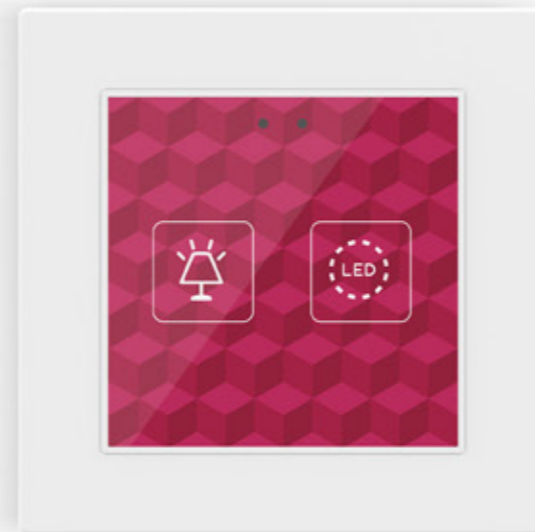
ZVI-F55D



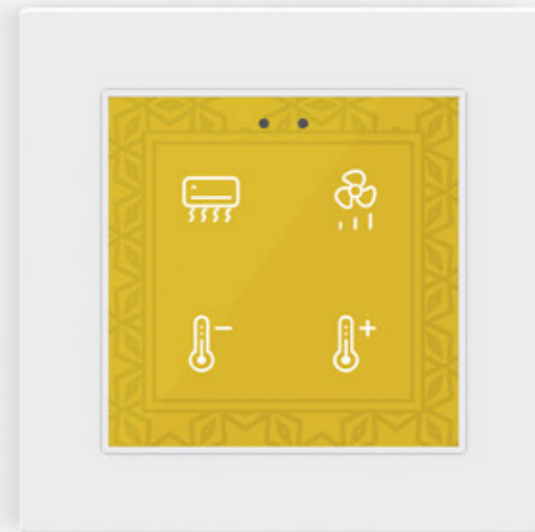
ZVI-F55X1



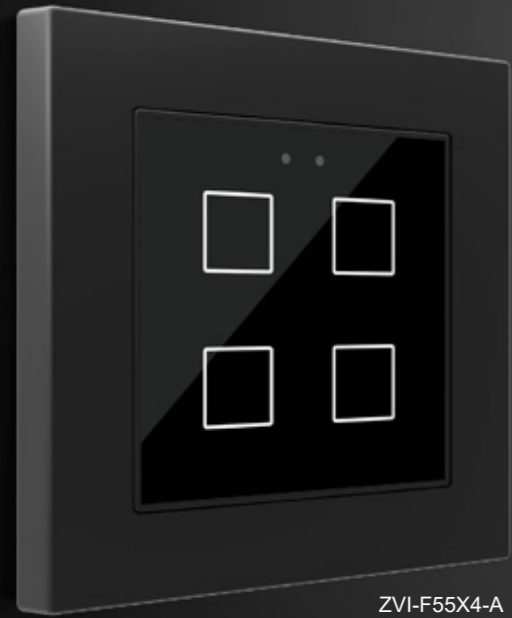
ZVI-F55X2



ZVI-F55X4



# Flat55 X1/X2/X4 - Standard design



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

Available colours:



Available options:



# Presentia W0/W1/W2

Presence detector for in wall flush mounting in wall into 55x55 mm frame, 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. It has two independent sensors whose sensitivity settings can be adjusted for each sensor individually. Master/slave configuration allows using several detectors for larger areas. In addition, Presentia W1 and Presentia W2 incorporate one or two capacitive push buttons with back-lighted LED icons which can be used for any kind of room control. Installation in standard mounting box with 55x55 frames of 1/2/3/4 modules (white, gloss white, anthracite or silver). Frame no included.

\* Check availability.

Available cover options:



Anthracite



Silver



White



Gloss white



ZPDW0W  
(81 x 81 x 9 mm)



ZPDW1  
(81 x 81 x 9 mm)



ZPDW2  
(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 x 90 x 12 mm)



Lopesán Costa Bávaro Hotel.

# 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-FLSQTMD



ZVI-SQTMD2-CUS  
(90 x 90 x 12 mm)



# Square TMD - Standard design

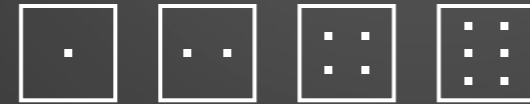


ZVI-SQTMD6-W  
(90 x 90 x 12 mm)

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, etc., 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-P  
(123 x 90 x 12 mm)



TMD Display One installed in Hotel Portal Hills (Mallorca - Spain). [www.portals-hills.com](http://www.portals-hills.com)

Portals Hills offers a unique and unforgettable experience full of comfort and relaxation for guests who appreciate architecture and design.

The hotel, designed by the interior designer Luc Van Acker, is equipped with TMD Display One in each room, maintaining the identity of the hotel and the good taste for the design of the rooms.



**TMD Display** installed at **Panorama Hotel & Resort**  
(Island of Sotra – Norway). [www.panoramahotell.no](http://www.panoramahotell.no)

Panorama is a hotel carefully designed and conceived to offer its guests a concept of nature, relaxation and comfort.

The hotel renovated some rooms and equipped them with TMD Display and Square TMD Display for allowing guests to regulate the lighting and temperature of the room, achieving greater comfort.



ZVI-TMDD-P  
(123 x 90 x 12 mm)



ZVI-TMDD  
(123 x 90 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, etc., 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

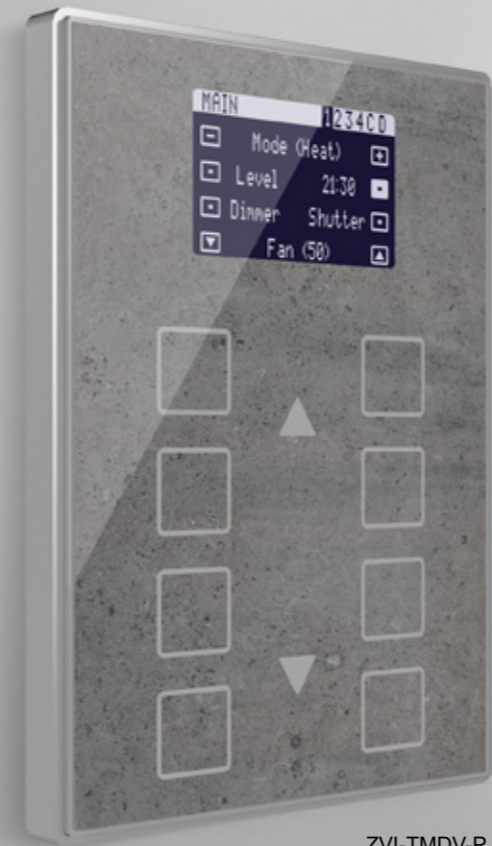


Chrome

Flush-mounted:



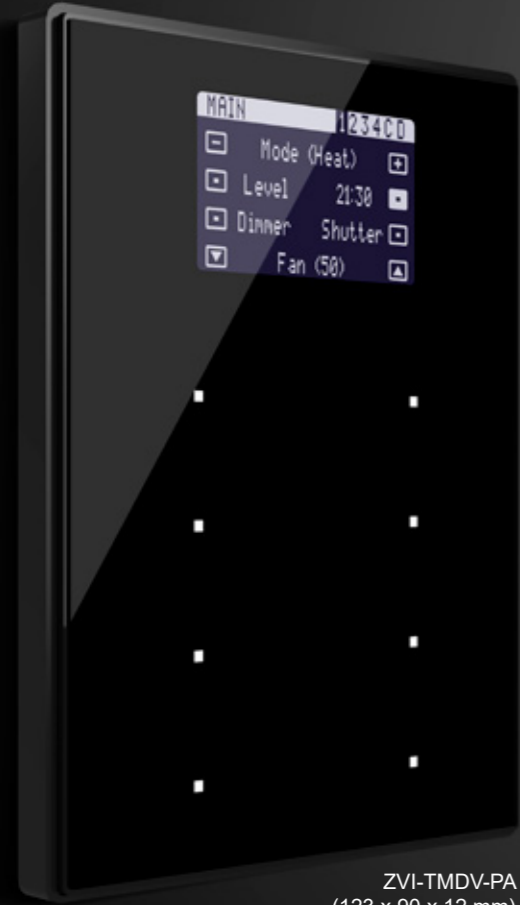
Accessory ZAC-FLTMD



ZVI-TMDV-P  
(123 x 90 x 12 mm)



# TMD Display View - Standard design



ZVI-TMDV-PA  
(123 x 90 x 12 mm)

Available colours:



Available options:



# 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.

Available formats of 4, 6 or 8 buttons, 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

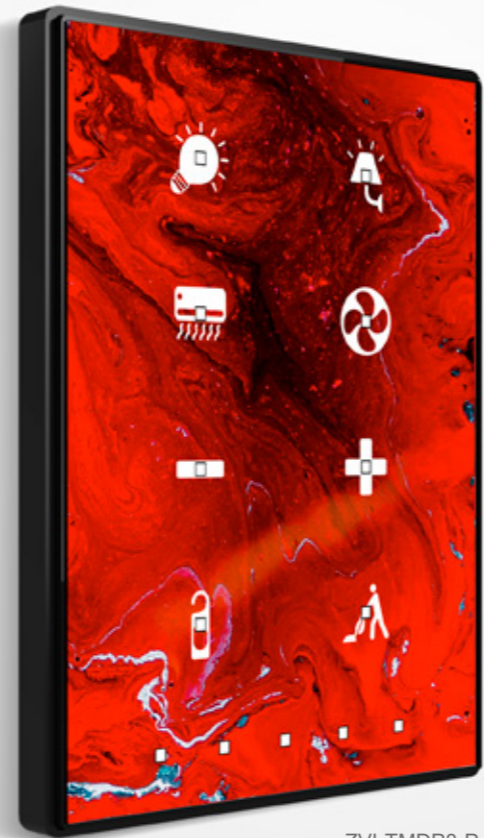


Chrome

## Flush-mounted:



Accessory ZAC-FLTMD



ZVI-TMDP8-P  
(123 x 90 x 12 mm)





TMD Plus installed in Hotel Almanac (Barcelona - Spain).  
[www.almanachotels.com/barcelona](http://www.almanachotels.com/barcelona)

The hotel offers its guests a personalised service of the highest level. With the touch panels located at the entrance and the head of the bed, its clients can adapt the room to their needs to enjoy a memorable experience: Control of air conditioning, lighting, curtains and blackouts, management of housekeeping (DND/MUR) and audio system.

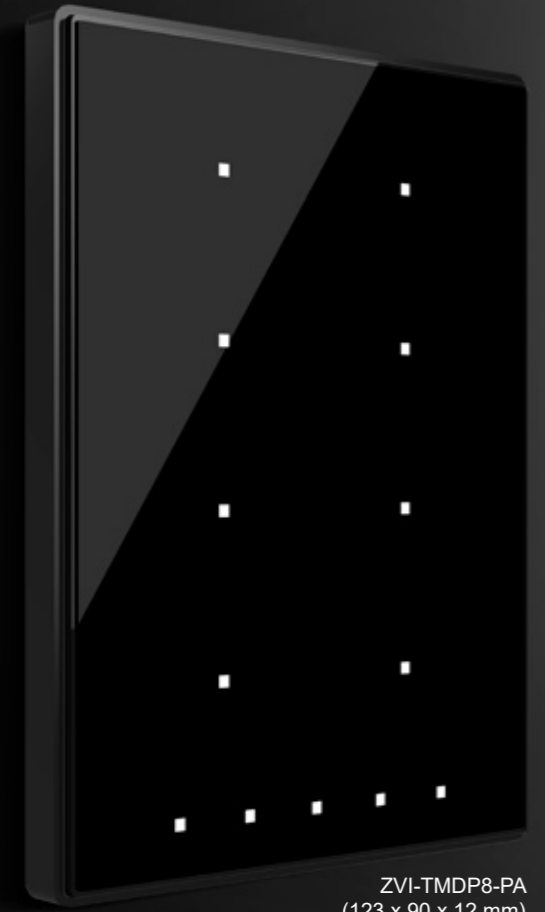


ZVI-TMDP6-P  
(123 x 90 x 12 mm)



ZVI-TMDP4-P  
(123 x 90 x 12 mm)

# TMD Plus - Standard design



ZVI-TMDP8-PA  
(123 x 90 x 12 mm)

Available colours:



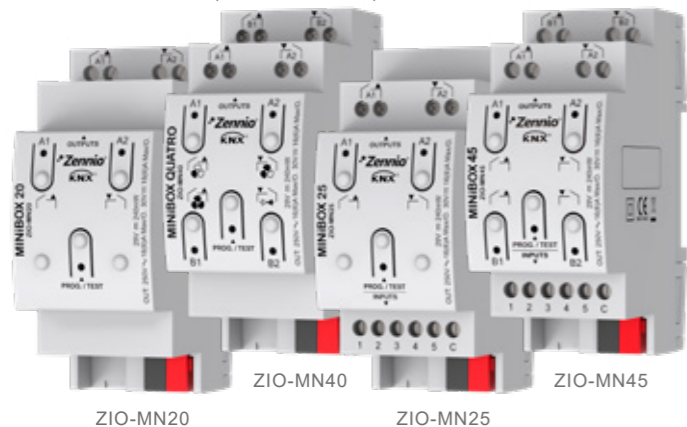
Available options:



# Multifunction actuators

# Multifunction actuators

(90 x 67 x 35 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.



ZIO-IB24 (52 x 47 x 28 mm)

## 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.

## 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)



ZIO-IB20 (52 x 47 x 28 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.

# Multifunction actuators



ZIO-MB24 (90 x 60 x 210 mm)

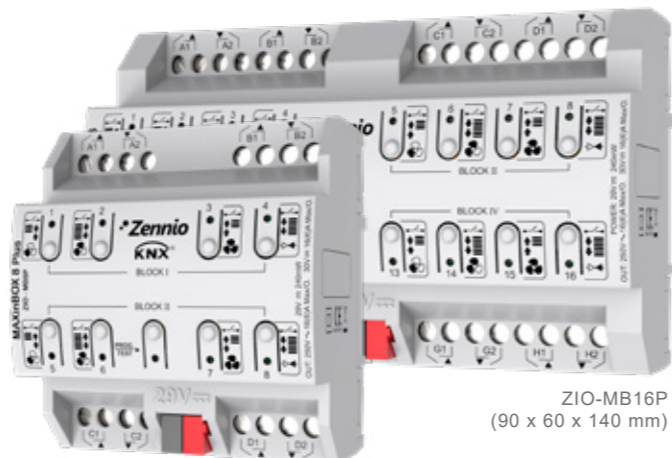
## MAXinBOX 24

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.

# Shutter actuators

## 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.

## MAXinBOX SHUTTER 4CH



ZIO-MBSHU4 (90 x 60 x 80 mm)

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.



ZAC-SHUC1C (90 x 67 x 35 mm)

## Shutter Coupler 1CH

Shutter 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 67 x 35 mm)

## Shutter Coupler 2CH

Shutter 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.

## DIMinBOX DX1



ZDIDBDX1  
(90 x 67 x 35 mm)

Universal dimming actuator (RLC, LED, CFL) for DIN rail (2u) with 1 channel for up to 350W@230VAC (200W@110VAC). 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. Error detection: short circuit, voltage surge, overheating, anomalous frequency, supply voltage failure, parameterization error.

## DIMinBOX DX2



ZDI-DBDX2  
(90 x 60 x 80 mm)

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.

## DIMinBOX DX4



ZDIDBDX4 (90 x 60 x 140 mm)

Universal dimming actuator (RLC, LED, CFL) for DIN rail (8u) with 4 channels for up to 300W@230VAC (200W@110VAC). It allows double channel connection, up to 600W @230VAC (400W@110VAC) and quad channel connection to control up to 1200W@230VAC (800W@110VAC). 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. Error detection: short circuit, voltage surge, overheating, anomalous frequency, supply voltage failure, parameterization error.



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.

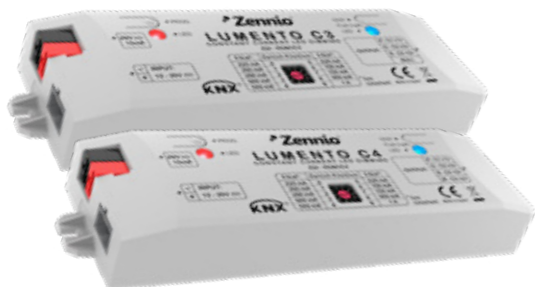
## Lumento DX4



ZDI-RGBDX4  
(90 x 60 x 80 mm)

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.

ZDI-RGBCC3 (144 x 44 x 22 mm)



ZDI-RGBCC4 (144 x 44 x 22 mm)

## Lumento C3 - Lumento C4

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 - Lumento X4

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.

ZN1DI-RGBX3 (144 x 44 x 22 mm)



ZN1DI-RGBX4 (144 x 44 x 22 mm)



ZDI-DLB4 (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.

## 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-DLI (90 x 60 x 80 mm)



ZDI-DLB6 (90 x 60 x 80 mm)



ZCL-4HT230  
(90 x 67 x 35 mm)

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

## HeatingBOX 230V 8X - HeatingBOX 230V 4X

Actuator for climate systems based on water pipes which allows the control of up to 4/8 outputs for on/off valves operated at 230VAC -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-4HT24  
(90 x 67 x 35 mm)

ZCL-8HT24  
(90 x 60 x 80 mm)

## HeatingBOX 24V 4X - HeatingBOX 24V 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 24 VAC/DC by means of mosfets with protection against overload/short-circuit. It includes independent thermostat for each output, furthermore a module with 10 logical functions. It allows manual control of the outputs with status indication through LEDs.



ZCLFB230C1  
(90 x 67 x 35 mm)

## FANinBOX 230V 1CH

Ceiling fan controller for fan units powered at 230VAC (2 DIN rail units). It allows the control of up to 3 fan speeds and manual control of outputs with status LED indicators. It includes 10 logical function module and error indicator of power failure.

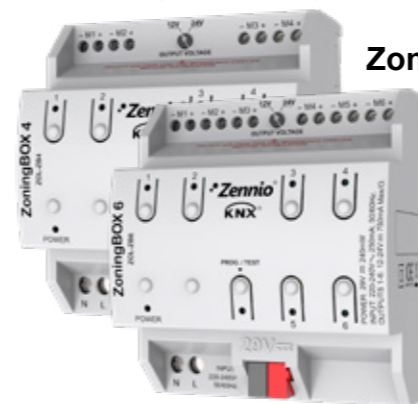


ZCLFB110C1  
(90 x 67 x 35 mm)

## FANinBOX 110V 1CH

Ceiling fan controller for fan units powered at 110VAC (2 DIN rail units). It allows the control of up to 3 fan speeds and manual control of outputs with status LED indicators. It includes 10 logical function module and error indicator of power failure.

ZCL-ZB4 (90 x 60 x 80 mm)

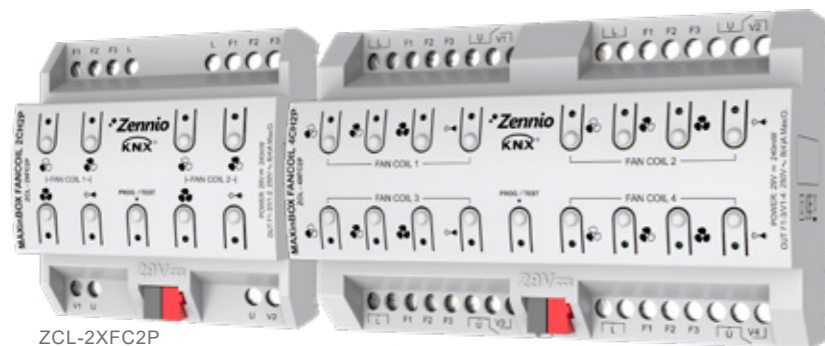


ZCL-ZB6 (90 x 60 x 80 mm)

## 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-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 and up to three fan speeds, for DIN rail (4.5 units). It includes 2 independent outputs 16A C-Load, which can be configured as individual outputs or as a shutter channel. 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)



ZN1CL-IRSC  
(45 x 45 x 14 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.



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.

## 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.



ZCL-FC010V  
(90 x 60 x 80 mm)





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.



ZCLDDV3  
(39 x 39 x 14 mm)

## KLIC-DD v3. DAIKIN

KNX bus to residential Daikin interface. KLIC-DD is a bidirectional communication interface for integrating domestic air-conditioning units manufactured by Daikin with KNX. It includes 2 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.



ZCLPA  
(39 x 39 x 14 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.



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

## KLIC-PA. PANASONIC

Zennio gateway to control Panasonic 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.



ZCL-FJ  
(39 x 39 x 14 mm)

## KLIC-FJ. FUJITSU

Zennio gateway to control Fujitsu, General, Hiyasu and Fuji Electric 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.



ZCLMITTV2  
(39 x 39 x 14 mm)

## KLIC-MITT v2. MITSUBISHI

Zennio gateway to control Mitsubishi Electric air conditioning units through IT terminal connector from KNX system in a bidirectional way. It includes 2 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-TS  
(39 x 39 x 14 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.



ZCL-LG1  
(39 x 39 x 14 mm)

## KLIC-LG1. LG

Zennio gateway to control LG 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.

# Universal interfaces

# Multifunction inputs



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)



ZIO-BIN44  
(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-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 67 x 35 mm)



ZAC-SQAT-A  
(90 x 90 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.



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). ZAC-NTC68S.  
Epoxy stiff cable: 2.3m. (-30°C a 90°C). ZAC-NTC68F.  
Epoxy: 1.5m. (-30°C a 90°C). ZAC-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



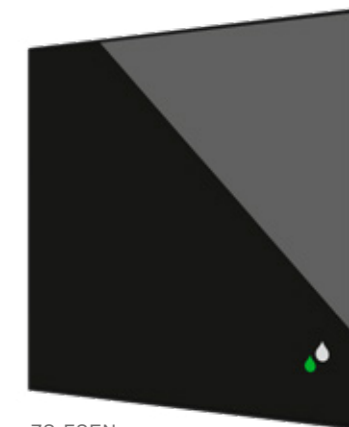
Silver



White



Gloss white



ZS-FSEN  
(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

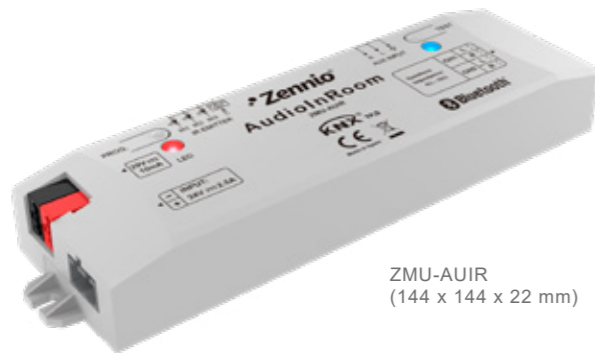
IR-KNX Bus unidirectional open protocol interface. IRSC OPEN is a KNX BUS interface that allows control of audio/video consumer electronics via an infrared transmitter. IR transmitter included.



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  
(144 x 144 x 22 mm)

## AudiInRoom

Audio controller for hotel rooms, which allows guests to play music from their own smartphone through Bluetooth® connection or from an auxiliary audio input (such as TV). It has two stereo channels (20W), so that you can enable/disable, mute or adjust volume in two independent areas. Bluetooth® pairing is restricted with password to make sure the guest is connecting to the audio system in their room. Accessories: loudspeakers 6.5"Ø, 8Ohm or 3.5"Ø, 4Ohm.



ZIO-KESP  
(90 x 67 x 35 mm)

## KES Plus

Zennio KNX 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. Only compatible with Zennio Current Transformers  
Accessory: Current transformer ZN1AC-CST60 and ZN1AC-CST120.



ZRX-KCI4S0  
(90 x 67 x 35 mm)

## KCI.

KCI (KNX Consumption Interface) 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).

# System devices



ZSYIPRCL  
(90 x 70 x 35 mm)

## IP Router CL

IP Router CL 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.



ZSYLCCL  
(90 x 70 x 35 mm)

## Linecoupler CL

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



ZSYKIPI  
(90 x 68 x 36 mm)

## KIPI

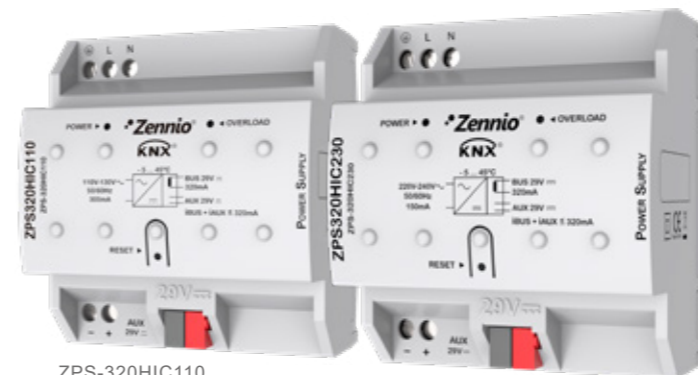
KIPI allows bidirectional communication between Ethernet and a KNX TP installation. It allows addressing, programming or monitoring components located in a KNX TP network from the Ethernet side by using KNXnet/IP Tunneling protocol, with up to 5 parallel connections. It supports extended frames, with a maximum frame length of up to 254 bytes. DIN rail mounting (2U). External power supply is not needed.



ZSYUSBSC  
(90 x 70 x 35 mm)

## KNX USB SC

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.



ZPS-320HIC110  
(90 x 60 x 80 mm)

ZPS-320HIC230 (90 x 60 x 80 mm)

## ZPS320HIC110 ZPS320HIC230

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).

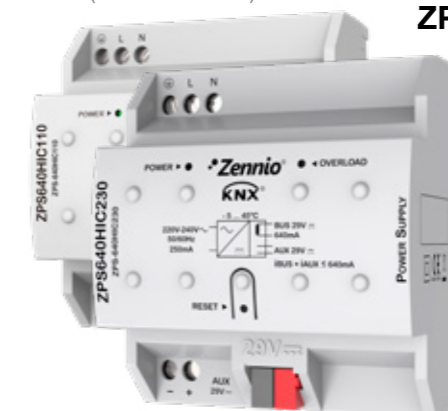


ZN1PS-160MPA  
(90 x 60 x 35 mm)

## 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).

ZPS-640HIC110  
(80 x 90 x 60 mm)



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

## ZPS640HIC110 ZPS640HIC230

KNX System Power Supply with additional 29VDC output. Maximum current 640mA (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).

# System devices

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