

Vimar's latest new solutions

For even smarter settings.

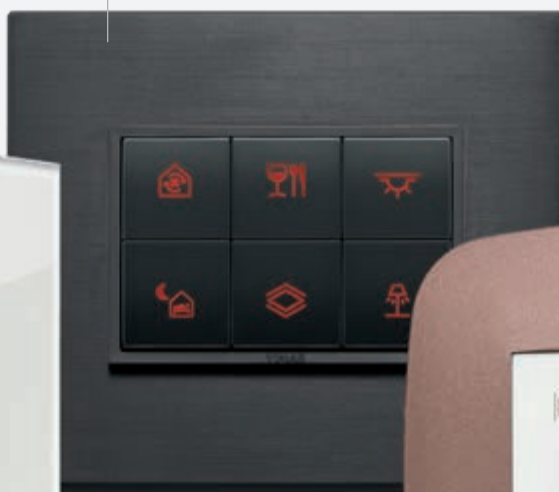


SMART HOME&BUILDING



New universal Bus controls

The range has been extended, offering a new design and more functions, for twice the potential and more immediate and comfortable control, using both By-me and KNX technology



Bluetooth® wireless technology for speaker systems

Listening to your favourite tunes while streaming directly from your smartphone or tablet is now much simpler thanks to the new devices equipped with *Bluetooth*® wireless technology, for both multiroom and standalone applications



New radio frequency controls

Wireless solutions for radio frequency light control. Requiring no batteries or masonry work, they are based on the EnOcean and ZigBee protocols and *Bluetooth*® wireless technology. They incorporate an innovative control for operating Philips Hue lamps and luminaires.

Innovation never stops. Multiple smart solutions to turn buildings into smart places.

An unwavering focus on the world of the Internet of Things now allows Vimar to offer innovative solutions that turn homes, offices and hospitality facilities into connected places, making life easier, more convenient and smarter. The goal? To cater to modern living needs, with the usual quality hallmarks that distinguish all Vimar products.



New Wi-Fi access point

To extend WLAN coverage to areas not covered by Wi-Fi. For traditional or home automation systems



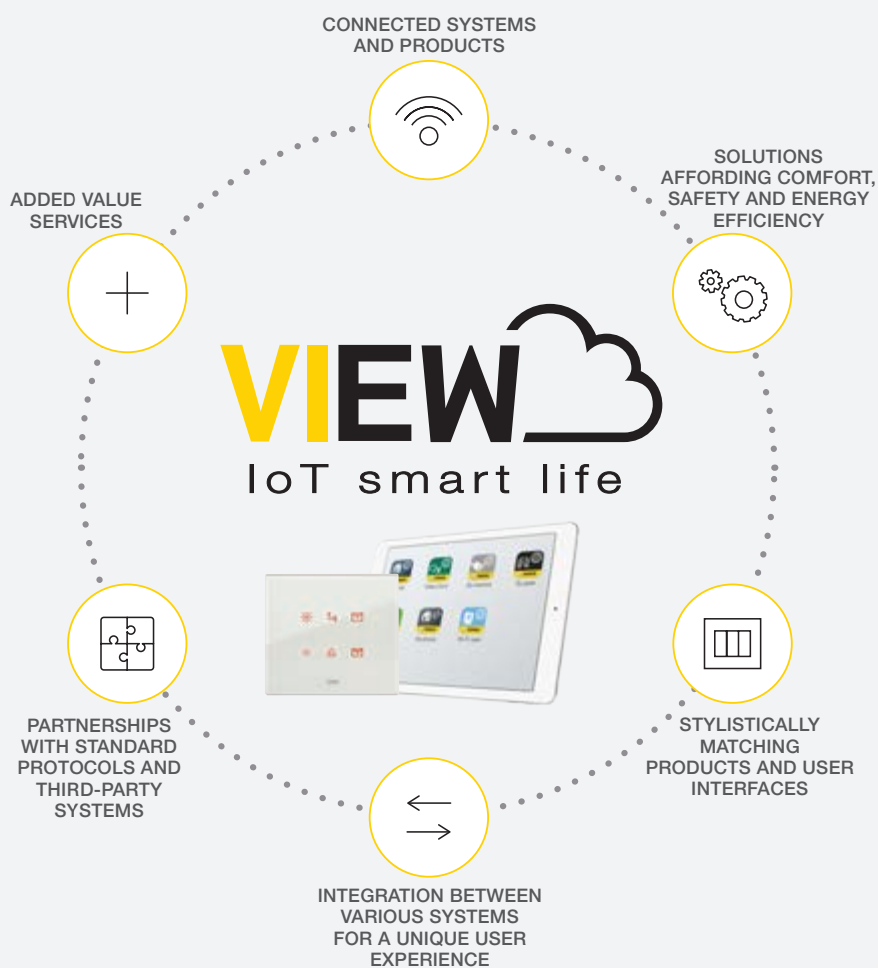
VIEW: Positive Energy vibrates through the Web with an integrated offering of products and systems for the smart home.

VIEW is Vimar's vision of the digital world and the Internet of Things, which forms the guiding principle for the ongoing development of smart solutions, all connected to each other, to the Internet and to the user by means of state-of-the-art digital technologies. Yet VIEW is also a constantly growing ecosystem of stylistically matching smart products and interconnected systems that are also compatible with other manufacturers' products, with the aim of increasing simplicity for users and offering them an intuitive experience, working towards total control of their homes and a smart lifestyle.



All controllable via apps.

People's increasingly symbiotic relationship with their buildings has now been reinterpreted with the objective of simplifying every action in the daily routine, large or small, and facilitating the work of industry professionals. All our IoT solutions offer total supervision via simple apps designed around the user's needs.



CONNECTED SYSTEMS



CONNECTED PRODUCTS

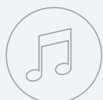




New universal
Bus controls



New radio
frequency controls



Bluetooth® wireless
technology



New Wi-Fi access
point



New universal Bus controls.

A renewed range for even smarter spaces.

The range of controls dedicated to the By-me home automation system and to the KNX automation system has been updated: each module now controls twice the number of functions and we have introduced short/long press buttons, LED backlighting with adjustable brightness and colour settings, a larger rear surface area to facilitate wiring and a single architecture encompassing the Eikon, Arké and Plana series.





Renewed styling

The button covers have also been restyled and are now available as standard (in the 1-module or 2-module version) with either a set of the most popular symbols – which are different for Eikon, Arké and Plana and have matching finishes – or a neutral face for subsequent laser-customisation and to allow the backlighting of the symbols (Eikon and Arké) or indicator lens (Plana). The new button covers are compatible with both the new By-me and KNX controls.

LED
RGB

RGB LED backlighting

With the aim of offering maximum customisation potential, the new RGB LED backlighting makes it possible to select the desired colour for the symbols so that they fully match the styling of the thermostats. The brightness of the backlighting can be adjusted through three levels (high, medium, low + off) and the “location in the dark” and “load status” function can be paired with a particular level.



An extensive yet slimline range for every installation requirement

To optimise installation, the Bus devices are compatible throughout the Eikon, Arké and Plana series. A single customisable insert with button covers from the corresponding series; two different modular designs (2-modules and 3-modules), in control-only version, with relays for lights and a roller shutter actuator: the new controls offer a vast number of installation combinations.



Twice the functions

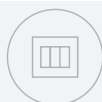
The number of functions on each control has been doubled. It is now possible to configure four different functions on the two-module box, and a generous six on the three-module box. The new controls have dual-function short/long press buttons that further increase the installation possibilities and can be used to operate an additional home automation fixture.



Pre-programming

The controls with By-me technology are pre-programmed and ready for use in Plug&Play mode. Simply install them and the load and scenario control is already operational without requiring any configuration.

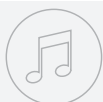




New universal
Bus controls



New radio
frequency controls



Bluetooth®
wireless
technology



New Wi-Fi access
point

New radio frequency controls.

Lighting has entered a new era.

The consolidated range of radio frequency controls for lighting control has been restyled. In keeping with the environmentally-friendly principles that have always distinguished Vimar products, the radio frequency controls are all battery-free, wireless and require no masonry work during installation. They interface perfectly with the products of leading lighting technology brands that have adopted the Xicato|GalaXi and Casambi technologies.

They support
EnOcean, Bluetooth®
wireless and ZigBee
technologies and also
Philips Friends of Hue
lamps.



EnOcean
(868MHz)



Bluetooth®
(2.4GHz)



ZigBee
(2.4GHz)
Green Power
Friends of Hue



**FRIENDS
OF HUE**

Friends of Hue controls
operate Philips Hue lamps by
communicating directly with the
Philips Hue bridge.





Matching styling

The technological core of the control is a radio frequency module that can be installed on the mounting brackets and finished with cover plates in the Eikon, Arké and Plana series so as to adapt to any architectural space.



Versatile installation

They can be mounted without masonry work on any surface: glass, wood or wall.



Lighting scenarios

Lighting scenarios can be configured and managed instantly and straightforwardly using smartphone apps developed by the manufacturers of lamps compatible with the various technologies.



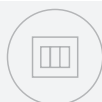
Friends of Hue

The technological expertise and impeccable design of Vimar are now teamed with wireless technology for smart control of Philips Hue lamps. The new controls are based on an Energy Harvesting technological motor and guarantee full control over wireless lamps via the Philips Hue bridge. They are also environmentally-friendly, as they require no battery.

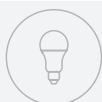


Exclusive solution

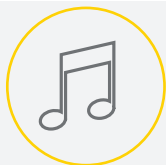
Vimar is the first Italian brand to offer lighting controls that adopt the innovative ZigBee wireless technology.



New controls
universal Bus



New radio
frequency controls



Bluetooth® wireless
technology

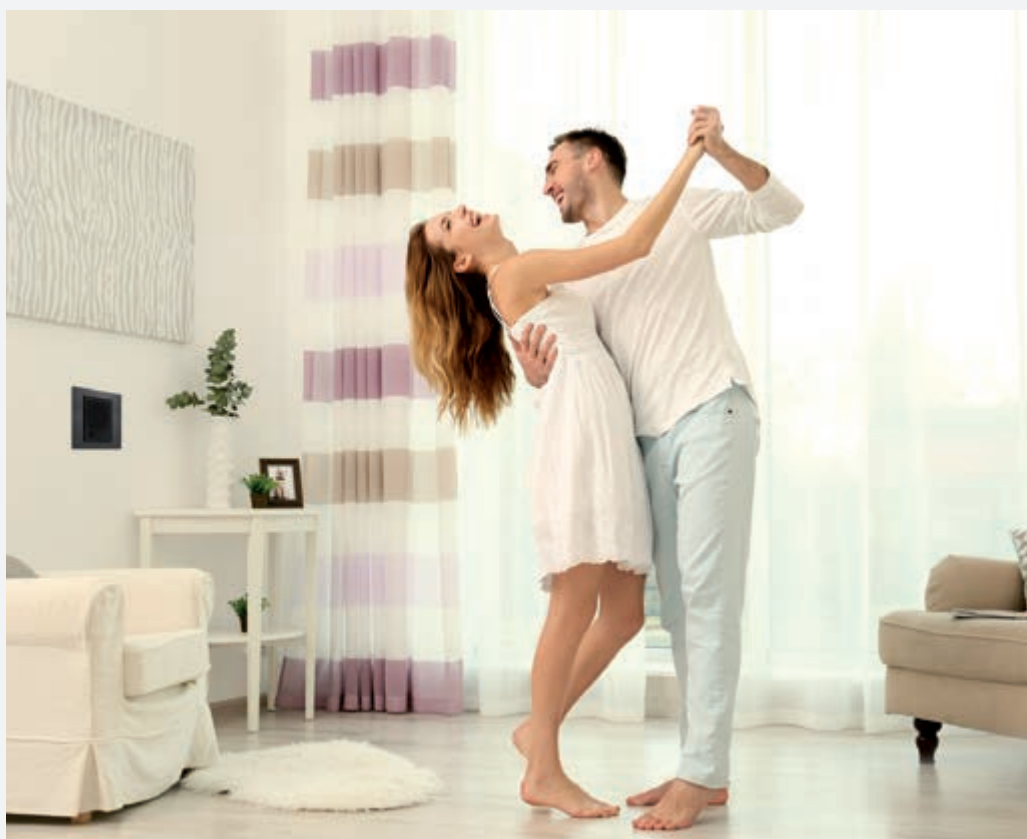


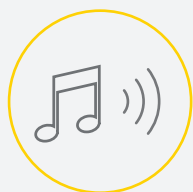
New Wi-Fi access
point

Bluetooth® wireless technology for speaker systems.

The music on your smartphone is always connected and plays wherever you want it to.

With the new devices equipped with *Bluetooth®* wireless technology, your favourite music is now always connected via Wi-Fi and played in digital format throughout your home or building. The new controls in the multiroom system are equipped with a line-out output and can be connected to power amplifiers to obtain maximum power and high-fidelity sound quality.

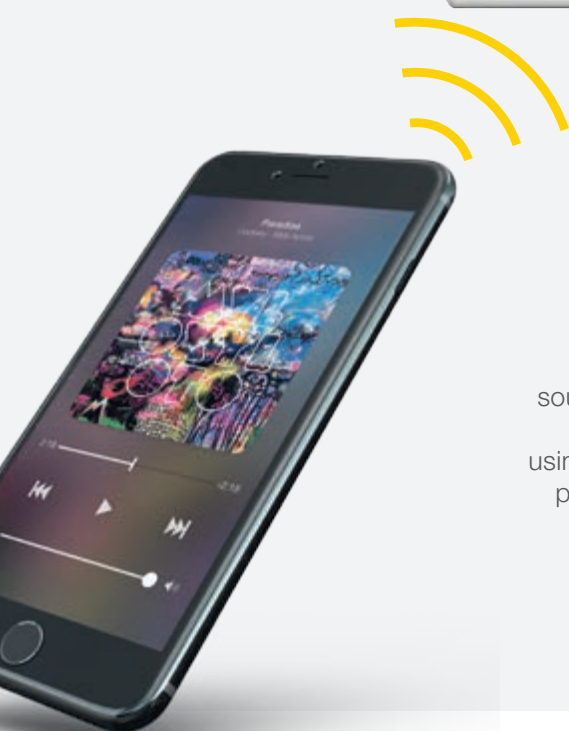




Bluetooth®

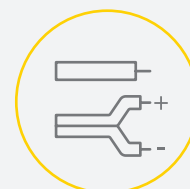
Music connected at all times.

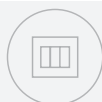
Thanks to this innovative technology, linear connections or docking stations are no longer necessary. Simply activate the Bluetooth on your smartphone, the connection is made automatically and the music plays throughout the rooms. In addition, the new receiver with *Bluetooth®* wireless technology is designed to add limitless local sources.



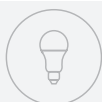
Two different solutions: multiroom or stand alone.

Multiroom systems can be created with a bus cable, enabling a track originating from one or more audio sources to be played through the speakers in each room. Alternatively, mini stand alone systems can be created using the receiver with integrated flush mounting amplifier, providing the ideal solution for small hospitality facilities.





New universal
Bus controls



New radio
frequency controls



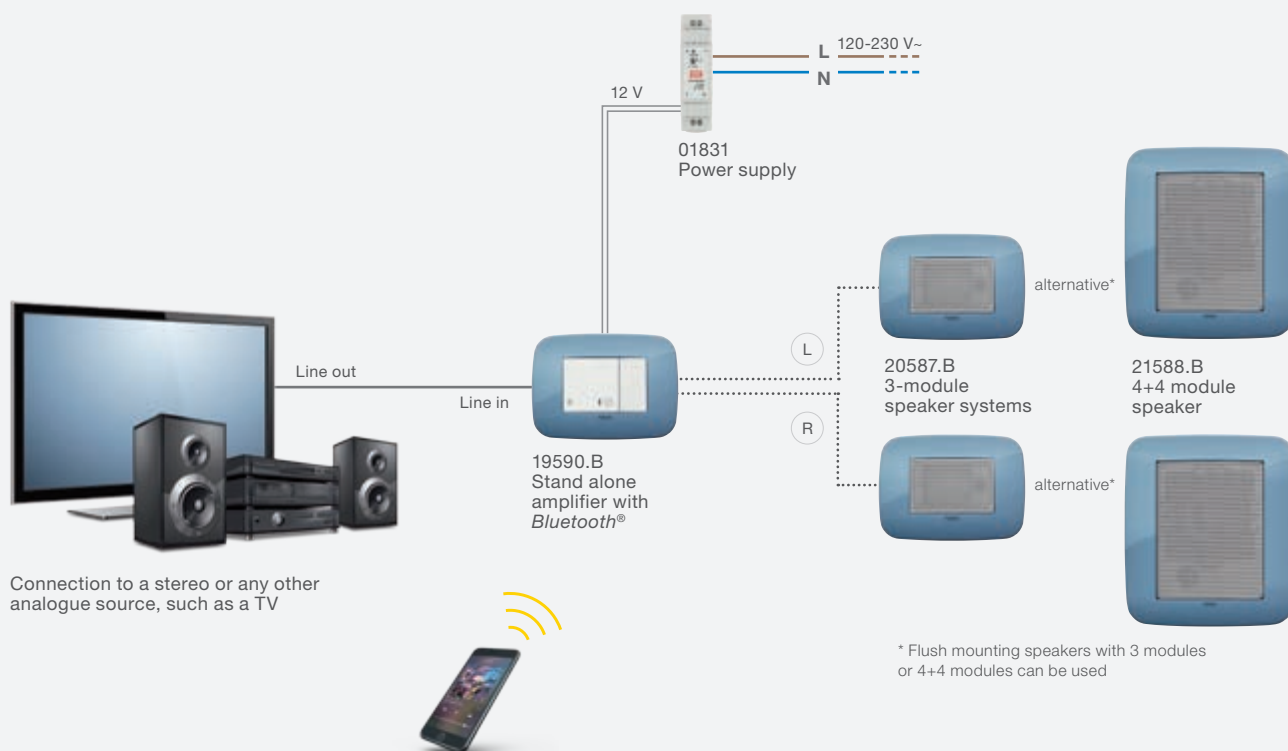
Bluetooth®
wireless
technology



New Wi-Fi access
point

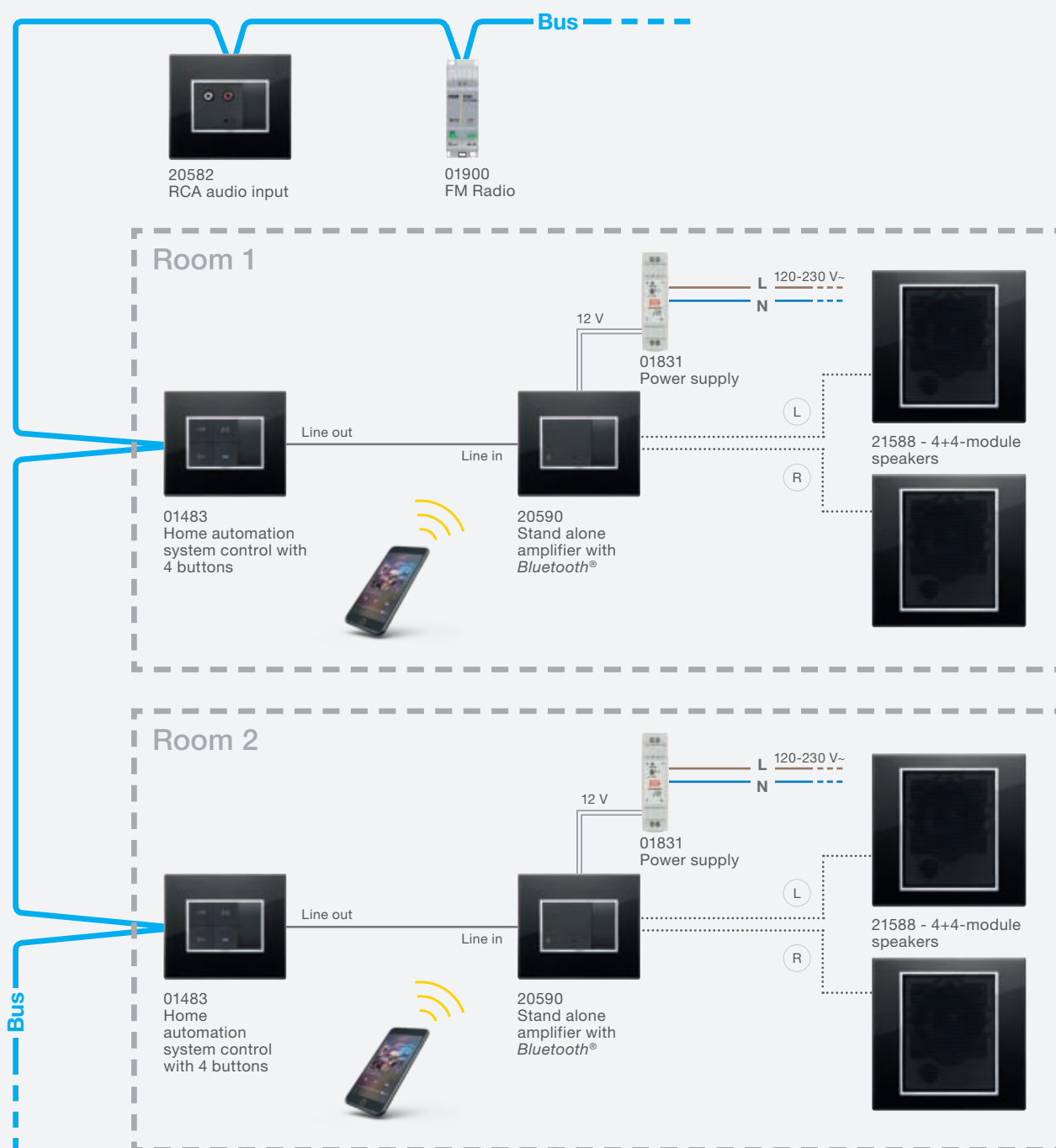
Stand alone solution

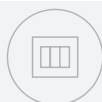
Thanks to Bluetooth® technology, mini stand alone systems can be created quickly and simply. This simple solution requires a Bluetooth receiver with integrated amplifier, a pair of speakers and a power supply. Your smartphone connects automatically so you can listen to your favourite music in the room. Other sound sources such as the TV can also be connected to the amplifier via cable. The ideal solution for all applications, from residential settings to small service companies and particularly hotels.



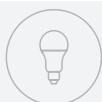
Multiroom solution with By-me

This comprehensive and high-performance solution via bus integrates seamlessly into the By-me home automation system to create a complete speaker system covering multiple rooms. Thanks to the new receiver with *Bluetooth®* wireless technology, limitless local sources can be added. The new controls featuring pre-amplified outputs (with line-out output) and the new 1+1 W or 4+4 W flush mounting amplifiers are designed to increase rated power capacity, so as to offer maximum sound quality at all times. And if that is still not enough, you can always link up to an external amplifier to output a few extra watts.

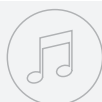




New universal
Bus controls



New radio
frequency controls



Bluetooth®
wireless
technology



New Wi-Fi access
point

New Wi-Fi access point.

And the signal even reaches poorly covered areas.

The simplest solution to extend your Internet connection throughout your home, even to areas that are not reached by the Wi-Fi signal or where the signal is weaker, providing coverage to all rooms with a stylish product integrated into the wiring devices. The new 2-module Wi-Fi access point is designed to support data exchange in wireless networks as well as copper and fiber optic cable networks. Moreover, thanks to the front button or a standard remote button connected to the rear terminals, the signal can be deactivated at any time when not needed or at night, to reduce radiation and power consumption.





More coverage

Extends WLAN coverage to all rooms, even covering areas that are not reached by Wi-Fi. Ideal for retrofitting existing systems: all that is required is a round mounting box or 3 modules with a socket outlet, which will need replacing.



Switch function

In addition to Wi-Fi connectivity, the device has a double Ethernet cable port on the back for extending the LAN network.



Matching styling

The new access point, complete with front button for disabling the internal Wi-Fi module, is available for the Eikon, Arké and Plana series in matching colour finishes to complement any interior décor style.



Applications

Whether in an apartment with a traditional or connected system, or for bringing smart connectivity to hotels or offices, the new access point is the ideal product for transmitting data and connecting to the Internet.

UNIVERSAL BUS CONTROLS

page 16

RADIO FREQUENCY CONTROLS

page 34

BLUETOOTH® WIRELESS TECHNOLOGY FOR SOUND SYSTEM

page 42

WI-FI ACCESS POINT

page 50

4- or 6-button controls

4-button (01480) and 6-button (01485) home automation device, with RGB LED visibility in darkness, to be completed with interchangeable button caps.

The device is equipped with independent push buttons that can also be configured as rocker switches, RGB LED with configurable colour, for setting and control functions in By-me home automation systems. For the Eikon and Arkè series, all the buttons, whether from the catalogue or custom products, have symbols that can be backlit with customisable RGB colours.

Main characteristics

- rated supply voltage: Bus 29 V;
- max absorption: 7,5 mA;
- configuration push button;
- operating temperature: $-5^{\circ}\text{C} \div +45^{\circ}\text{C}$ (indoor use);
- protection degree: IP20;
- compatible with the By-me 21509 control unit and EasyTool Professional;
- The push button and rocker switch functional blocks have a group depth of 1 (that is, they can belong to one group only);
- Art. 01480:
 - 4 push buttons that can also be configured as 2 rocker switches;
 - 4 RGB LEDs with configurable colour in 3 brightness levels (charge status and visibility in darkness);
- Art. 01485:
 - 6 push buttons that can also be configured as 3 rocker switches;
 - 6 RGB LEDs with configurable colour in 3 brightness levels (charge status and visibility in darkness);
- flush depth: 20 mm.

Plug&Play

CAUTION: Plug&play mode requires the system to include only plug&play devices and not devices configured in the By-me system.

For operation in Plug&Play mode, install the 1-module fixed button caps on the device.

With no configuration, the device is already pre-configured as follows:

- pressing A sends a "Roller shutters UP" scenario over the Bus;
- pressing B sends a "Roller shutters DOWN" scenario over the Bus;
- pressing C sends a "Lights OFF" scenario over the Bus;
- pressing D sends a "Lights OFF and Roller shutters DOWN" scenario over the Bus.

When push buttons are pressed, the LEDs illuminate for 3 s.

N.B. In the default configuration, push buttons E and F of the art. 01485 do not send any messages over the Bus.

LED colour setting

Plug&Play Mode.

- Procedure activation: simultaneously long press pushbuttons C and D; the LEDs will all illuminate in the colour currently set.
- Colour selection: short press button C or D to view the next colour.
- To save the colour and exit the procedure: long press button C or D.
- To exit the procedure without saving the colour: automatically after a timeout of 5 s.

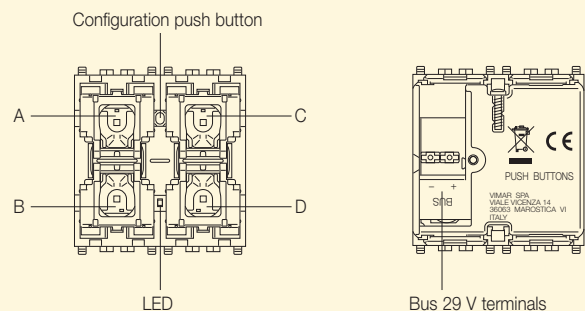
By-me system.

- The colour is set from the control panel or via the relative menus of EasyTool Professional.

Conformity to Standards

EMC Directive,
EN 60669-2-5, EN 50491 Standards

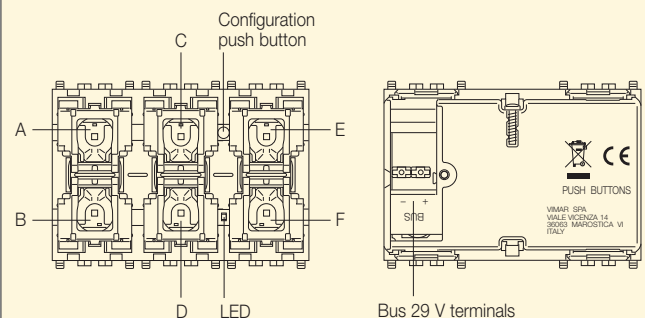
01480 - Connections



Legend:

- | | |
|------------------|------------------|
| A: Push button 1 | C: Push button 3 |
| B: Push button 2 | D: Push button 4 |

01485 - Connections



Legend:

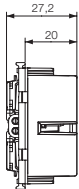
- | | | |
|------------------|------------------|------------------|
| A: Push button 1 | C: Push button 3 | E: Push button 5 |
| B: Push button 2 | D: Push button 4 | F: Push button 6 |

4-button devices

▲ 01480	4-button home automation device, RGB LED visibility in darkness with brightness regulation, to be completed with interchangeable 1- or 2-module Eikon, Arké or Plana half-button caps - 2 modules
▲ 01480.TR	4-button home automation device, tropicalised, RGB LED visibility in darkness with brightness regulation, to be completed with interchangeable 1- or 2-module Eikon, Arké or Plana half-button caps - 2 modules



▲ 01480
▲ 01480.TR

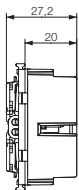


6-button devices

▲ 01485	6-button home automation device, RGB LED visibility in darkness with brightness regulation, to be completed with interchangeable 1- or 2-module Eikon, Arké or Plana half-button caps - 3 modules
▲ 01485.TR	6-button home automation device, tropicalised, RGB LED visibility in darkness with brightness regulation, to be completed with interchangeable 1- or 2-module Eikon, Arké or Plana half-button caps - 3 modules



▲ 01485
▲ 01485.TR



4- or 6-button controls and actuator

4-button (01481) and 6-button (01486) home automation device with NO 16 A 120-240 V~ 50/60 Hz relay output actuator, with RGB LED visibility in darkness, to be completed with interchangeable button caps.

The device is equipped with independent push buttons that can also be configured as rocker switches, RGB LED with configurable colour, for setting and control functions in By-me home automation systems. For the Eikon and Arkè series, all the buttons, whether from the catalogue or custom products, have symbols that can be backlit with customisable RGB colours.

Main characteristics

- rated supply voltage: Bus 29 V;
- max absorption: 7,5 mA;
- configuration push button;
- relay output (C, NO) for lighting control and NC configurable;
- operating temperature: -5 °C ÷ +45 °C (indoor use);
- protection degree: IP20;
- compatible with the By-me 21509 control unit and EasyTool Professional;
- The push button and rocker switch functional blocks have a group depth of 1 (that is, they can belong to one group only);
- Art. 01481:
 - 4 push buttons that can also be configured as 2 rocker switches;
 - 4 RGB LEDs with configurable colour in 3 brightness levels (charge status and visibility in darkness);
- Art. 01486:
 - 6 push buttons that can also be configured as 3 rocker switches;
 - 6 RGB LEDs with configurable colour in 3 brightness levels (charge status and visibility in darkness);
- flush depth: 37 mm.

Controllable loads

- Relay output (controllable loads at 120 - 240 V~, NO contact):
 - resistive loads : 16 A (20,000 cycles);
 - incandescent lamps : 8 A (20,000 cycles);
 - fluorescent lamps : 0.5 A (20,000 cycles);
 - energy saving lamps : 100 W-240 V~, 30 W-120 V~ (20,000 cycles);
- LED lamps : 100 W-240 V~, 30 W-120 V~ (20,000 cycles);
- electronic transformers : 4 A (20,000 cycles);
- cos ø 0.6 motors: 3.5 A (100,000 cycles).

Plug&Play

CAUTION: Plug&play mode requires the system to include only plug&play devices and not devices configured in the By-me system.

For operation in Plug&Play mode, install the 1-module fixed button caps on the device.

With no configuration, the device is already pre-configured as follows:

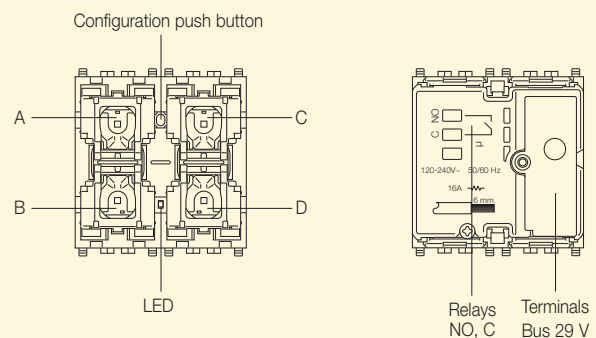
- pressing A activates the onboard relay actuator of the device;
- pressing B deactivates the onboard relay actuator of the device;
- pressing C sends a "Lights OFF" scenario over the Bus;
- pressing D sends a "Lights OFF and Roller shutters DOWN" scenario over the Bus.

In addition, for art. 01486:

- pressing E sends a "Roller shutters UP" scenario over the Bus;
- pressing F sends a "Roller shutters DOWN" scenario over the Bus.

When pushbuttons are pressed, the LEDs illuminate for 3 s.

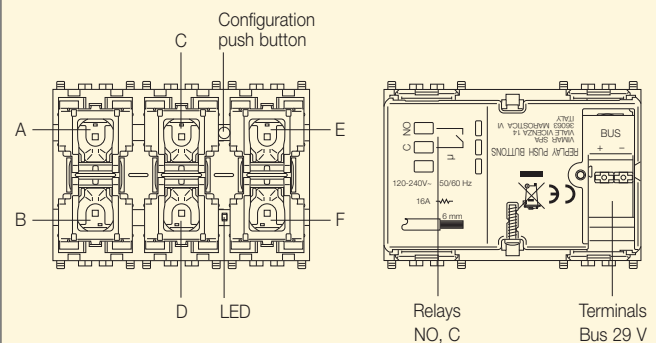
01481 - Connections



Legend:

- A: Push button 1 C: Push button 3
B: Push button 2 D: Push button 4

01486 - Connections



Legend:

- A: Push button 1 C: Push button 3 E: Push button 5
B: Push button 2 D: Push button 4 F: Push button 6

LED colour setting

Plug&Play Mode.

- Procedure activation: simultaneously long press pushbuttons C and D; the LEDs will all illuminate in the colour currently set.
- Colour selection: short press button C or D to view the next colour.
- To save the colour and exit the procedure: long press button C or D.
- To exit the procedure without saving the colour: automatically after a timeout of 5 s.

By-me system.

- The colour is set from the control panel or via the relative menus of EasyTool Professional.

Conformity to Standards

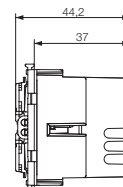
LV Directive, EMC Directive,
EN 60669-2-5, EN 50491 Standards

4-button devices and actuator

- ▲ **01481** 4-button home automation device and NO 16 A 120-240 V~ 50/60 Hz relay actuator, RGB LED visibility in darkness with brightness regulation, to be completed with interchangeable 1- or 2-module Eikon, Arké or Plana half-button caps - 2 modules



▲ 01481

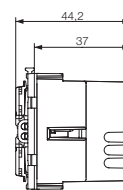


6-button devices and actuator

- ▲ **01486** 6-button home automation device and NO 16 A 120-240 V~ 50/60 Hz relay actuator, RGB LED visibility in darkness with brightness regulation, to be completed with interchangeable 1- or 2-module Eikon, Arké or Plana half-button caps - 3 modules



▲ 01486



4-button and 6-button controls and roller shutter laths actuator

4-button (01482) and 6-button (01487) home automation device and actuator for 1 roller shutter with laths orientation and $\cos\phi$ 0,6 2 A 120-240 V~ 50/60 Hz motor change-over relay output actuator, with RGB LED visibility in darkness, to be completed with interchangeable button caps.

The device is equipped with independent push buttons that can also be configured as rocker switches, RGB LED with configurable colour, for setting and control functions in By-me home automation systems. For the Eikon and Arkè series, all the buttons, whether from the catalogue or custom products, have symbols that can be backlit with customisable RGB colours.

Main characteristics

- rated supply voltage: Bus 29 V;
 - max absorption: 25 mA;
 - configuration push button;
 - 2 relay outputs for one roller shutter control;
 - shutter output interlock time: > 500 ms;
 - operating temperature: $-5\text{ }^{\circ}\text{C} \div +45\text{ }^{\circ}\text{C}$ (for indoor use);
 - protection degree: IP20;
- compatible with the By-me 21509 control unit and EasyTool Professional;
- The push button and rocker switch functional blocks have a group depth of 1 (that is, they can belong to one group only);
 - Art. 01482:
 - 4 push buttons that can also be configured as 2 rocker switches
 - 4 RGB LEDs with configurable colour in 3 brightness levels (charge status and visibility in darkness);
 - Art. 01487:
 - 6 pulsanti configurabili anche come 3 basculanti
 - 6 RGB LEDs with configurable colour in 3 brightness levels (charge status and visibility in darkness);
 - flush depth: 37 mm.

Controllable loads

Motors: $\cos\phi$ 0,6: 2 A (100.000 cycles) at 120-240 V~.

Plug&Play

CAUTION: Plug&play mode requires the system to include only plug&play devices and not devices configured in the By-me system.

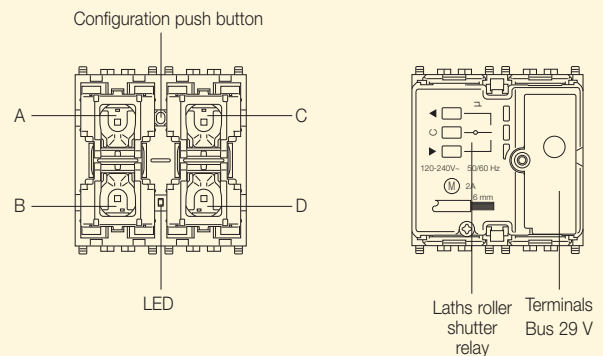
For operation in Plug&Play mode, install the 1-module fixed button caps on the device.

With no configuration, the device is already pre-configured as follows:

- A long press on A opens the shutter while a long press on B closes it.
 - A short press on A or B stops the shutter when it is moving; otherwise, if the shutter is stationary, the laths orientation.
 - Pressing C sends a "Roller shutters UP" scenario over the Bus.
 - Pressing F sends a "Roller shutters DOWN" scenario over the Bus.
- In addition, for art. 01487:
- Pressing E sends a "Lights OFF" scenario over the Bus;
 - Pressing F sends a "Lights OFF and Roller shutters DOWN" scenario over the Bus.

When push buttons are pressed, the LEDs illuminate for 3 s.

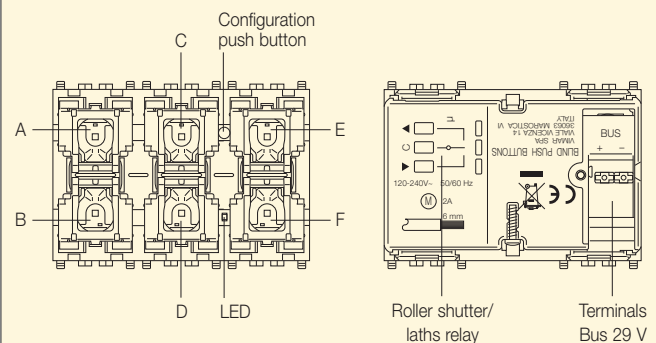
01482 - Connections



Legend:

- A: Push button 1 C: Push button 3
B: Push button 2 D: Push button 4

01487 - Connections



Legend:

- A: Push button 1 C: Push button 3 E: Push button 5
B: Push button 2 D: Push button 4 F: Push button 6

LED colour setting

Plug&Play Mode.

- Procedure activation: simultaneously long press pushbuttons C and D; the LEDs will all illuminate in the colour currently set.
- Colour selection: short press button C or D to view the next colour.
- To save the colour and exit the procedure: long press button C or D.
- To exit the procedure without saving the colour: automatically after a timeout of 5 s.

By-me system.

- The colour is set from the control panel or via the relative menus of EasyTool Professional.

Conformity to Standards

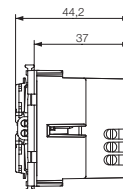
LV Directive, EMC Directive,
EN 60669-2-5, EN 50491 Standards

4-button devices and roller shutter laths actuator

- ▲ **01482** 4-button home automation device and actuator for 1 roller shutter with laths orientation, $\cos\phi$ 0,6 2 A 120-240 V~ 50/60 Hz motor change-over relay output, RGB LED visibility in darkness with brightness regulation, to be completed with interchangeable 1- or 2-module Eikon, Arké or Plana half-button caps - 2 modules



▲ **01482**

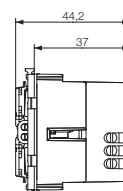


6-button devices and roller shutter laths actuator

- ▲ **01487** 6-button home automation device and actuator for 1 roller shutter with laths orientation, $\cos\phi$ 0,6 2 A 120-240 V~ 50/60 Hz motor change-over relay output, RGB LED visibility in darkness with brightness regulation, to be completed with interchangeable 1- or 2-module Eikon, Arké or Plana half-button caps - 3 modules



▲ **01487**



Smart Home&Building

Universal Bus controls



4-button and 6-button controls, KNX standard

4-button (01580) and 6-button (01585) automation device, KNX standard, with RGB LED visibility in darkness, to be completed with interchangeable button caps

The device is equipped with independent push buttons that can also be configured as ON/OFF, roller shutter and lighting controls. RGB LED with configurable colour.

Main characteristics

- rated supply voltage: Bus 30 V;
- absorption from Bus: 7,5 mA;
- configuration push button;
- operating temperature: $-5^{\circ}\text{C} \div +45^{\circ}\text{C}$ (for indoor use);
- protection degree: IP20;
- Art. 01580:
 - 4 independent push buttons
 - 4 RGB LEDs with configurable colour in 3 brightness levels (charge status and visibility in darkness);
- Art. 01585:
 - 6 independent push buttons
 - 6 RGB LEDs with configurable colour in 3 brightness levels (charge status and visibility in darkness);
- flush depth: 20 mm.

Operating

The device can be used in two different modes:

• Functions with independent pushbuttons:

- Send ON, OFF, timed ON and force output status commands
- Switch ON and OFF on the up edge and on the down edge
- Call up a scenario with a short press of the pushbutton; call up or a second scenario or save a scenario with a long press
- Send one or two values by a short or long press of the push button
- Roller shutter control
- Dimmer control
- Toggle

• Possible functions of the buttons with 2 associated channels:

- ON and OFF switch
- Dimmer control
- Roller shutters control

For each of these three functions, the control direction can be reversed.

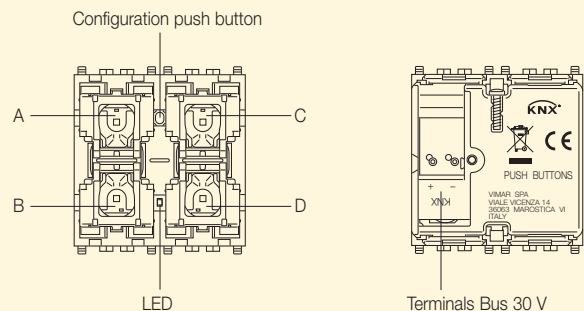
For the RGB LEDs, you can set:

- the colour each individual LED, either by choosing from a list or by setting the RGB coordinates using the ETS software
- brightness or flashing also using the ETS software

Conformity to Standards

EMC Directive,
EN 60669-2-5, EN 50491 Standards

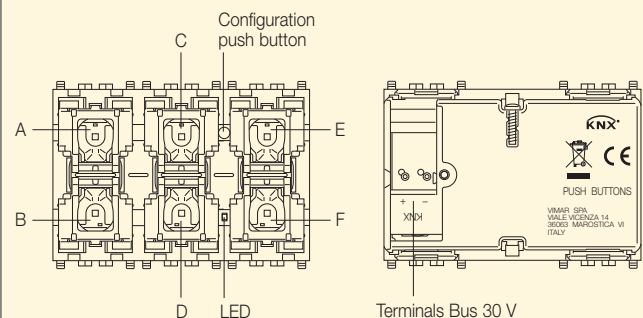
01580 - Connections



Legend:

- | | |
|------------------|------------------|
| A: Push button 1 | C: Push button 3 |
| B: Push button 2 | D: Push button 4 |

01585 - Connections



Legend:

- | | | |
|------------------|------------------|------------------|
| A: Push button 1 | C: Push button 3 | E: Push button 5 |
| B: Push button 2 | D: Push button 4 | F: Push button 6 |

Smart Home&Building

Universal Bus controls

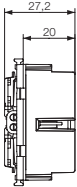


4-button device, KNX standard

- ▲ 01580 4-button device, KNX standard, RGB LED visibility in darkness with brightness regulation, to be completed with interchangeable 1- or 2-module Eikon, Arké or Plana half-button caps - 2 modules



▲ 01580

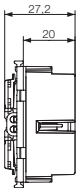


4-button device, KNX standard

- ▲ 01585 6-button device, KNX standard, RGB LED visibility in darkness with brightness regulation, to be completed with interchangeable 1- or 2-module Eikon, Arké or Plana half-button caps - 3 modules



▲ 01585



4-button and 6-button device and actuator, KNX standard

4-button (01581) and 6-button (01586) automation device and NO 16 A 120-240 V~ 50/60 Hz relay output actuator, KNX standard, with RGB LED visibility in darkness, to be completed with interchangeable button caps.

The device is equipped with independent push buttons that can also be configured as ON/OFF, roller shutter and lighting controls. RGB LED with configurable colour.

Main characteristics

- rated supply voltage: Bus 30 V;
- absorption from Bus: 7,5 mA;
- configuration push button;
- relay output (C, NO) for lighting control;
- operating temperature: -5 °C ÷ +45 °C (for indoor use);
- protection degree: IP20;
- Art. 01581:
 - 4 independent push buttons
 - 4 RGB LEDs with configurable colour in 3 brightness levels (charge status and visibility in darkness);
- Art. 01586:
 - 6 independent push buttons
 - 6 RGB LEDs with configurable colour in 3 brightness levels (charge status and visibility in darkness).
- flush depth: 37 mm.

Controllable loads

Relay output (controllable loads at 120 - 240 V~, NO contact):

- resistive loads : 16 A (20,000 cycles);
- incandescent lamps : 8 A (20,000 cycles);
- fluorescent lamps : 0.5 A (20,000 cycles);
- energy saving lamps : 100 W-240 V~, 30 W-120 V~ (20,000 cycles);
- LED lamps : 100 W-240 V~, 30 W-120 V~ (20,000 cycles);
- electronic transformers : 4 A (20,000 cycles);
- cos ø 0.6 motors: 3.5 A (100,000 cycles).

Operating

The device can be used in two different modes:

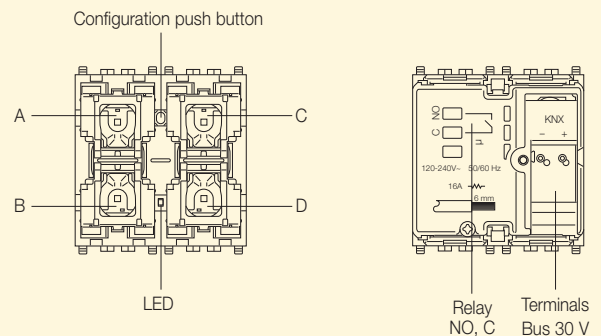
- **Functions with independent push buttons:**
 - Send ON, OFF, timed ON and force output status commands
 - Switch ON and OFF on the up edge and on the down edge
 - Call up a scenario with a short press of the pushbutton; call up or a second scenario or save a scenario with a long press
 - Send one or two values by a short or long press of the push button
 - Roller shutter control
 - Dimmer control
 - Toggle
- **Possible functions of the buttons with 2 associated channels:**
 - ON and OFF switch
 - Dimmer control
 - Roller shutters control

For each of these three functions, the control direction can be reversed.

For the RGB LEDs, you can set:

- the colour each individual LED, either by choosing from a list or by setting the RGB coordinates using the ETS software
- brightness or flashing also using the ETS software

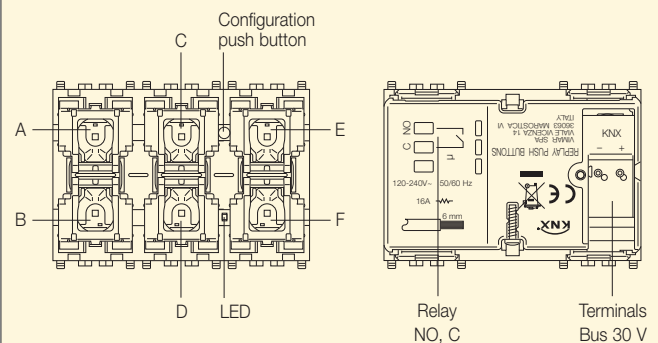
01581 - Connections



Legend:

- A: Push button 1
- B: Push button 2
- C: Push button 3
- D: Push button 4

01586 - Connections



Legend:

- A: Push button 1
- B: Push button 2
- C: Push button 3
- D: Push button 4
- E: Push button 5
- F: Push button 6

The relay output can be used in two different modes:

• Switch:

- Possibility to set the default status of the output as normally open or normally closed
- Set a delay time for activation and deactivation
- Possibility to block the output for maintenance operations
- Possibility to force the status of the output
- Control logic setting
- Possibility to set behaviour on power-up and power-down
- Save and call up scenarios

• Staircase lights:

- Possibility to set the output as NO or NC
- Set activation time
- Possibility to block the output for maintenance operations
- Set prior notice time
- Possibility to force the status of the output
- Possibility to set behaviour on power-up and power-down
- Possibility to set the output to switch off on receipt of a message over the Bus

Conformity to Standards

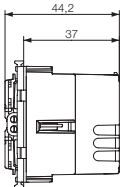
LV Directive, EMC Directive,
EN 60669-2-5, EN 50491 Standards

4-button device and actuator, KNX standard

▲ 01581 4-button device and NO 16 A 120-240 V~ 50/60 Hz relay output actuator, KNX standard, RGB LED visibility in darkness with brightness regulation, to be completed with interchangeable 1- or 2-module Eikon, Arké or Plana half-button caps - 2 modules



▲ 01581

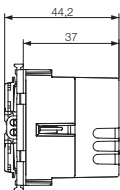


6-button device and actuator, KNX standard

▲ 01586 6-button device and NO 16 A 120-240 V~ 50/60 Hz relay output actuator, KNX standard, RGB LED visibility in darkness with brightness regulation, to be completed with interchangeable 1- or 2-module Eikon, Arké or Plana half-button caps - 3 modules



▲ 01586



4-button or 6-button device and actuator for roller shutter laths orientation, KNX standard

4-button (01582) and 6-button (01587) automation device and actuator for 1 roller shutter with laths orientation, $\cos\phi$ 0,6 2 A 120-240 V~ 50/60 Hz change-over relay output for motors, KNX standard, with RGB LED visibility in darkness, to be completed with interchangeable button caps.

The device is equipped with independent push buttons that can also be configured as ON/OFF, roller shutter and lighting controls. RGB LED with configurable colour.

Main characteristics

- rated supply voltage: Bus 30 V;
- absorption from Bus: 25 mA;
- configuration button;
- relay output for the roller shutters and laths orientation control;
- operating temperature: $-5^{\circ}\text{C} \div +45^{\circ}\text{C}$ (for indoor use);
- protection degree: IP20;
- Art. 01582:
 - 4 independent buttons
 - 4 RGB LEDs with configurable colour in 3 brightness levels (charge status and visibility in darkness);
- Art. 01587:
 - 6 independent buttons
 - 6 RGB LEDs with configurable colour in 3 brightness levels (charge status and visibility in darkness).
- flush depth: 37 mm.

Controllable loads

Motors $\cos\phi$ 0,6: 2 A (100.000 cycles) at 120-240 V~.

Operating

The device can be used in two different modes:

• Functions with independent push buttons:

- Send ON, OFF, timed ON and force output status commands
- Switch ON and OFF on the up edge and on the down edge
- Call up a scenario with a short press of the pushbutton; call up or a second scenario or save a scenario with a long press
- Send one or two values by a short or long press of the push button
- Roller shutter control
- Dimmer control
- Toggle

• Possible functions of the buttons with 2 associated channels:

- ON and OFF switch
- Dimmer control
- Roller shutters control

For each of these three functions, the control direction can be reversed.

For the RGB LEDs, you can set:

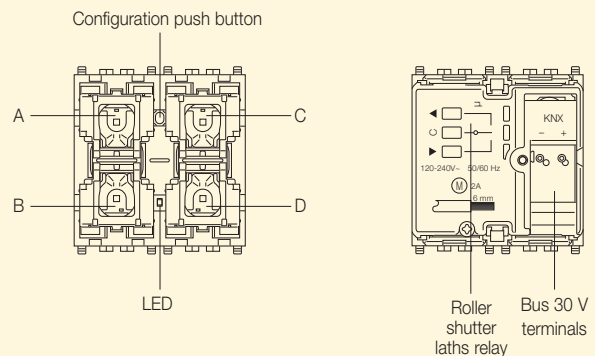
- the colour each individual LED, either by choosing from a list or by setting the RGB coordinates using the ETS software
- brightness or flashing also using the ETS software

The roller shutter output can be used in two different modes:

• Roller shutter:

- Possibility to set the roller shutter movement time
- Possibility to set activation delay for command received
- Set and read the height of the roller shutter via the bus.
- Set the minimum and maximum height of the roller shutter
- Possibility to manage rain, wind and frost alarms and blocks from the bus
- Possibility to raise or lower the roller shutter to its maximum or minimum height via a one-bit message

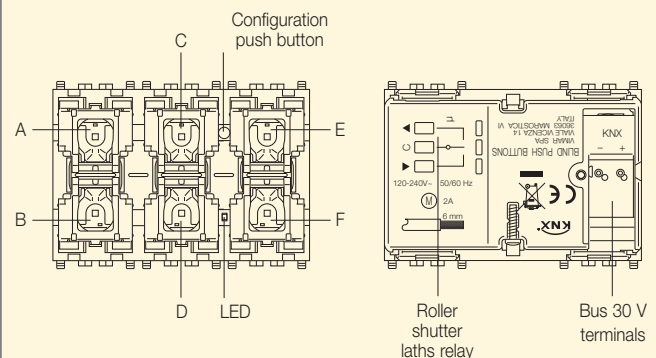
01582 - Connections



Legend:

- | | |
|-------------|-------------|
| A: Button 1 | C: Button 3 |
| B: Button 2 | D: Button 4 |

01587 - Connections



Legend:

- | | | |
|-------------|-------------|-------------|
| A: Button 1 | C: Button 3 | E: Button 5 |
| B: Button 2 | D: Button 4 | F: Button 6 |

- Possibility to raise or lower the roller shutter to its upper or lower limit via a one-bit message (limits are user-settable parameters)
- Possibility to set transmission of a message on reaching the upper and lower limits of the roller shutter
- Save and call up scenarios
- Possibility to set, with a 1-bit message, the height of the roller shutter selected on ETS
- Possibility to set behaviour on power-up and power-down
- **Roller shutter and laths (in addition previously described shutter functions, the following lath control functions are present):**
 - Set the rotation time, duration of the pulse signal and lath reversal time
 - Set lath orientation angle on completion of shutter movement
 - Possibility to set and read the lath orientation angle over the Bus
 - Possibility to save and call up lath orientation angle in a scenario
 - Possibility to set, with a 1-bit message, the height of the roller shutter and the lath orientation angle selected on ETS
 - Possibility to force the status of the output

Conformity to Standards

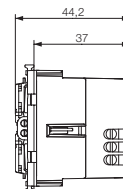
LV Directive, EMC Directive,
EN 60669-2-5, EN 50491 Standards

4-button device and actuator for roller shutters laths orientation, KNX standard

- ▲ **01582** 4-button and actuator for 1 roller shutter with laths orientation $\cos\phi$ 0,6 2 A 120-240 V~ 50/60 Hz change-over relay output for motors, KNX standard, RGB LED visibility in darkness with brightness regulation, to be completed with interchangeable 1- or 2-module Eikon, Arké or Plana half-button caps - 2 modules



▲ 01582

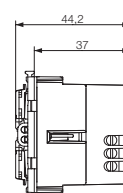


6-button device and actuator for roller shutters laths orientation, KNX standard

- ▲ **01587** 6-button and actuator for 1 roller shutter with laths orientation $\cos\phi$ 0,6 2 A 120-240 V~ 50/60 Hz change-over relay output for motors, KNX standard, RGB LED visibility in darkness with brightness regulation, to be completed with interchangeable 1- or 2-module Eikon, Arké or Plana half-button caps - 3 modules



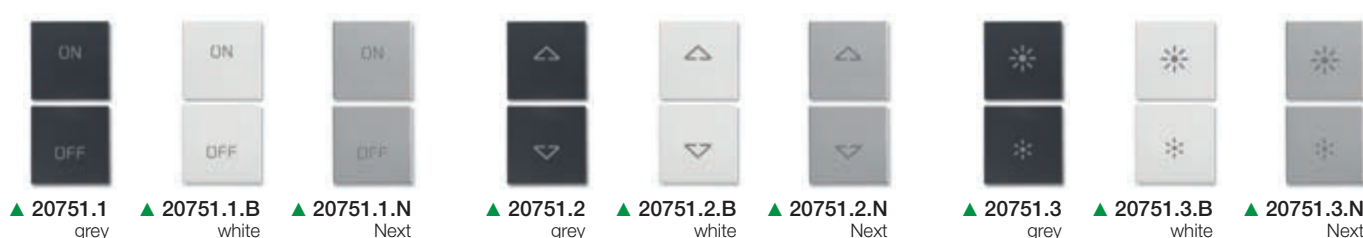
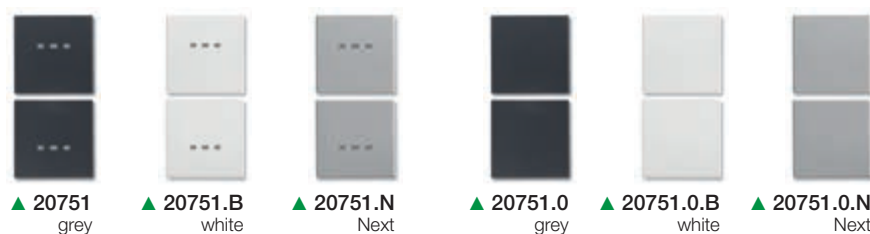
▲ 01587



Eikon: 2 half-button caps - 1 module

▲ 20751	.B	.N	Neutre, customizable
▲ 20751.0	.B	.N	Fixed, neutre
▲ 20751.1	.B	.N	ON and OFF symbols
▲ 20751.2	.B	.N	Arrow symbol
▲ 20751.3	.B	.N	Regulation symbol

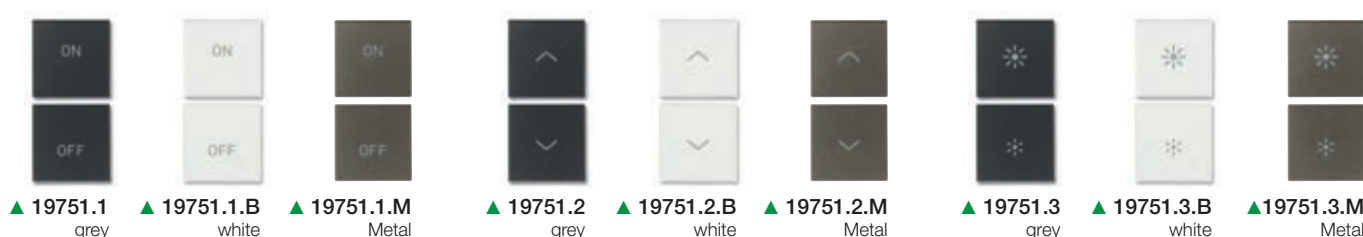
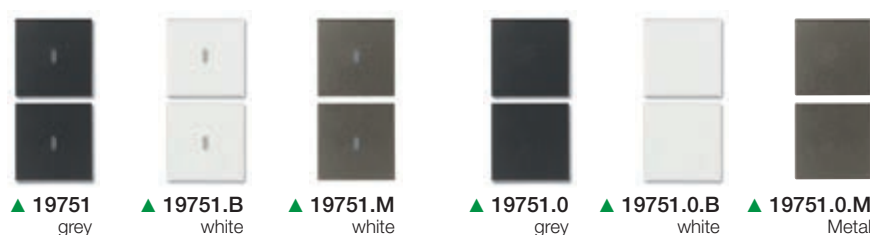
EIKON



Arké: 2 half-button caps - 1 module

▲ 19751	.B	.M	Neutre, customizable
▲ 19751.0	.B	.M	Fixed, neutre
▲ 19751.1	.B	.M	ON and OFF symbols
▲ 19751.2	.B	.M	Arrow symbol
▲ 19751.3	.B	.M	Regulation symbol

ARKÉ



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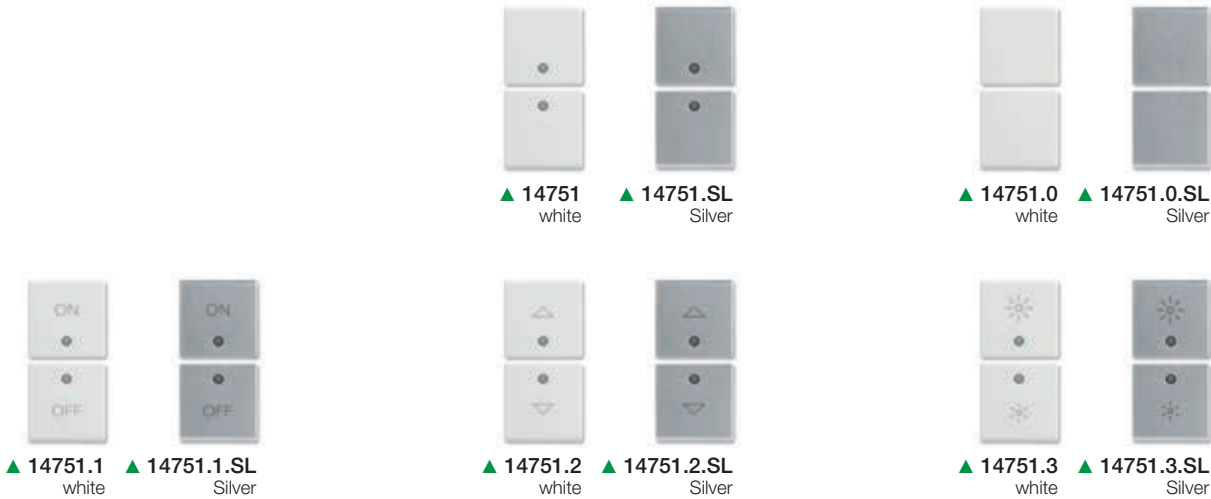
Universal Bus controls



Plana: 2 half-button caps - 1 module

▲ 14751	.SL	Neutre, customizable
▲ 14751.0	.SL	Fixed, neutre
▲ 14751.1	.SL	ON and OFF symbols
▲ 14751.2	.SL	Arrow symbol
▲ 14751.3	.SL	Regulation symbol

PLANA



Eikon: 2 half-button caps - 2 modules

▲ 20752	.B	.N	Neutre, customizable
▲ 20752.0	.B	.N	Fixed, neutre
▲ 20752.1	.B	.N	ON and OFF symbols
▲ 20752.2	.B	.N	Arrow symbol
▲ 20752.3	.B	.N	Regulation symbol

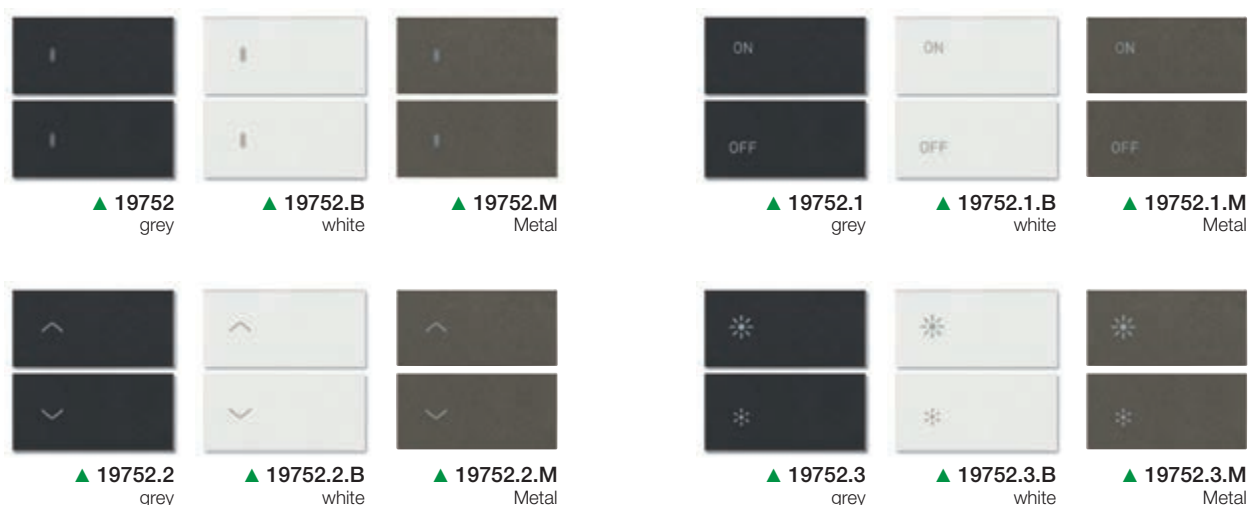
EIKON



Arké: 2 half-button caps - 2 modules

▲ 19752	.B	.M	Neutre, customizable
▲ 19752.0	.B	.M	Fixed, neutre
▲ 19752.1	.B	.M	ON and OFF symbols
▲ 19752.2	.B	.M	Arrow symbol
▲ 19752.3	.B	.M	Regulation symbol

ARKÉ



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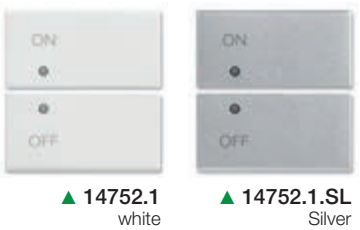
Universal Bus controls



Plana: 2 half-button caps - 2 modules

▲ 14752	.SL	Neutre, customizable
▲ 14752.0	.SL	Fixed, neutre
▲ 14752.1	.SL	ON and OFF symbols
▲ 14752.2	.SL	Arrow symbol
▲ 14752.3	.SL	Regulation symbol

PLANA



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Radiofrequency devices

Flat device with radiofrequency transmitter, ZigBee Green Power and Friends of Hue standards

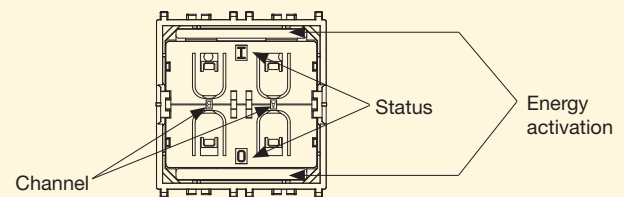
The ZigBee Friends of Hue enables the control of Philips Hue lamps by means of Philips bridge.

The device switches ON and OFF one or more lamps, adjusts the brightness, selects the colour and activates scenarios.

Main characteristics

- powered by built-in electrodynamic generator by means of the pressure of the buttons, no batteries are necessary;
- RF transmission power: 7 dBm / 5 mW;
- frequency range: (min/max): 2405 MHz / 2480 MHz;
- communication standard: ZigBee Green Power, according to provided Friends of Hue protocol;
- range: greater than 50 m in an open field; this value is reduced depending on the environment and installation method (presence of metal plates, concrete, metal walls and/or partitions);
- default radio channels used: CH 11-26 (default 11);
- device identification: individual 32 bit device ID (factory programmed);
- safety: AES128 (CBC mode) with sequence code;
- installation: flush or surface mounting. Surface mounting installation, thanks to the special mounting frame (art. 21507, 20507, 19507, 20607 or 14607), can be on materials such as wood, masonry, etc.;
- to be completed with 1-module 20506-19506-14506 buttons or 2-module 20506.2-19506.2-14506.2 buttons, properly fixed to the flat device;
- operating temperature: -25 - +65 °C (for indoor use).

03906 - User interface



The 03906 device provides four push button contacts. They are grouped into two channels (Channel A and Channel B) each containing two push button contacts (State O and State I). The state of all four push button contacts (pressed or not pressed) is transmitted together with a unique device identification (32 Bit device ID) whenever the energy bar is pushed or released.

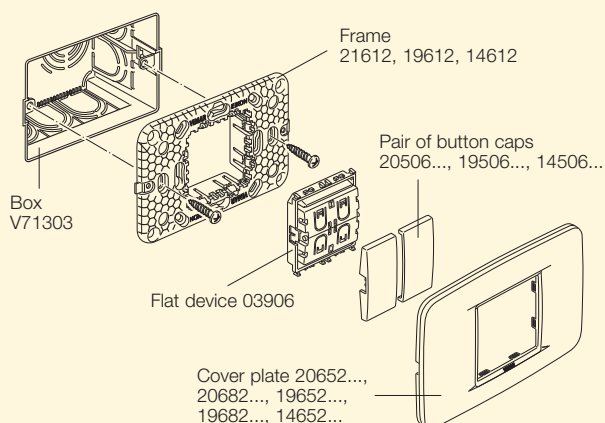
Conformity to Standards

RED Directive,

EN 60950-1, EN 301 489-17, EN 300 328, EN 62479 Standards.

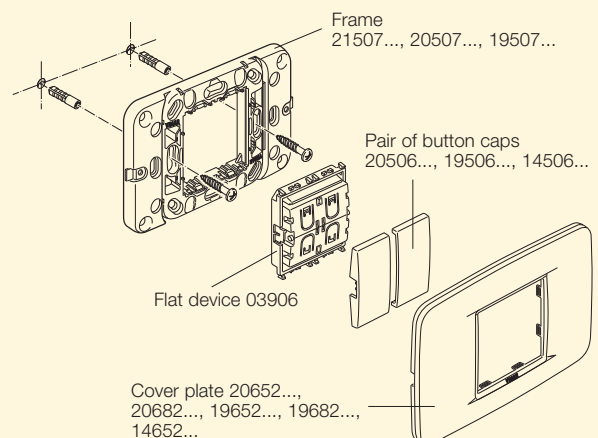
Vimar SpA declares that the radio equipment complies with Directive 2014/53/EU. The full text of the EU declaration of conformity is on the product sheet available at the following Internet address: www.vimar.com.

03906 - Flush mounting



The flat device can be installed on 3, 4 and 7 modules mounting boxes. The **protrusion** from the wall of: mounting frame + cover plate + device + button caps is equal to **9,5 mm** for **Eikon**, **10,2 mm** for **Arké** and **10,5 mm** for **Plana**.

03906 - Surface mounting (even with double-sided tape)



The flat device can be installed on 2 central modules cover plate, thanks to the knockouts of 20507, 19507 mounting frame (available in grey and white). The **protrusion** from the wall of: mounting frame + cover plate + device + button caps is equal to: **12,2 mm** for **Eikon Evo**, **13 mm** for **Eikon**, **13,7 mm** for **Arké** and **14 mm** for **Plana**.

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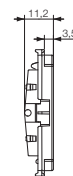
Radiofrequency devices

Flat device with radiofrequency transmitter, ZigBee Green Power and Friends of Hue standards

▲ 03906 4-button flat device with 2.4 GHz radiofrequency transmitter, ZigBee Green Power and Friends of Hue standards, energy harvesting power supply that uses a built-in electrodynamic generator, to be completed with Eikon 20506 or 20506.2, Arké 19506 or 19506.2 or Plana 14506 or 14506.2 button caps- 2 modules



▲ 03906



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Radiofrequency devices

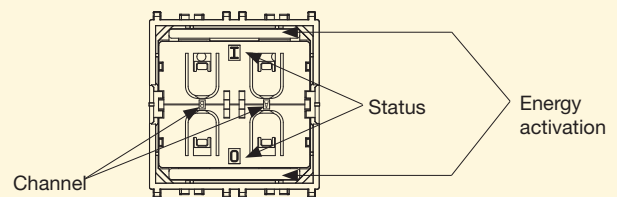
Flat device with radiofrequency transmitter, Low Energy Bluetooth® wireless technology

The Low Energy Bluetooth® wireless technology control operates at 2.4 GHz and, at an application level, is compatible with Low Energy Bluetooth® wireless technology receivers that use Casambi protocol/technology and Open Standard Bluetooth technology in Xicato|GalaXi systems that display the “Works with Xicato GalaXi” or “Powered by Xicato GalaXi” logo. Refer to the websites of the two manufacturers (www.casambi.com and www.xicato.com) for the list of lighting companies that adopt this technology, or contact the Vimar sales network.

Main characteristics

- powered by built-in electrodynamic generator by means of the pressure of the buttons, no batteries are necessary;
- RF transmission power: 0,4 dBm / 1,1 mW;
- frequency range (min/max): 2402 MHz / 2480 MHz;
- communication standard: Low Energy Bluetooth® wireless technology;
- range: 75 m in an open field: this value is reduced depending on the environment and installation method (presence of metal plates, concrete, metal walls and/or partitions);
- default radio channels used: CH 37 / 38 / 39 (2402 MHz / 2426 MHz / 2480 MHz);
- auxiliary interface: NFC Forum Type 2 Tag (ISO/IEC 14443 Part 2 and 3);
- device identification: individual 48 bit device ID (factory programmed);
- safety: AES128 (CBC mode) with sequence code;
- Installation: flush or surface mounting. Surface mounting installation, thanks to the special mounting frame (art. 21507, 20507, 19507, 20607 or 14607), can be on materials such as wood, masonry, etc.
- Operating temperature: -25 - +65 °C (for indoor use).

03925 - User interface



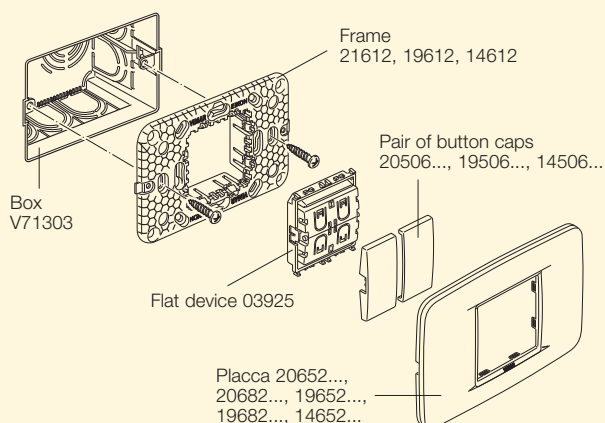
The 03925 device provides four push button contacts. They are grouped into two channels (Channel A and Channel B) each containing two push button contacts (State 0 and State 1). The state of all four push button contacts (pressed or not pressed) is transmitted together with a unique device identification (48 Bit device ID) whenever the energy bar is pushed or released.

Conformity to Standard

RED Directive, EN 60950-1,
EN 301 489-17, EN 300 328, EN 62479 Standards.

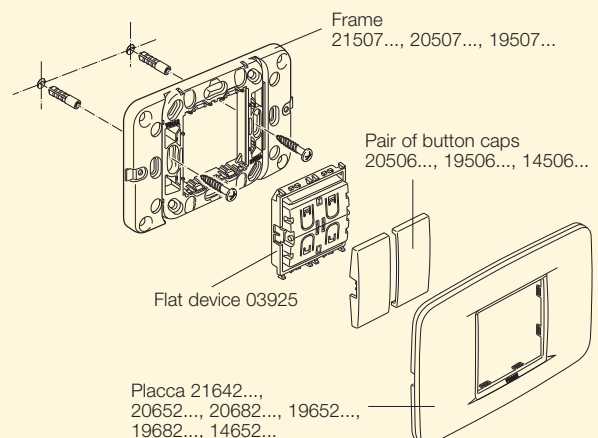
Vimar SpA declares that the radio equipment complies with Directive 2014/53/EU. The full text of the EU declaration of conformity is on the product sheet available at the following Internet address: www.vimar.com.

03925 - Flush mounting



The flat device can be installed on 3, 4 and 7 modules mountigna boxes. The **protrusion** from the wall of: mounting frame + cover plate + device + button caps is equal to: **9,5 mm for Eikon, 10,2 mm for Arké and 10,5 mm for Plana.**

03925 - Surface mounting (even with double-sided tape)



The flat device can be installed on 2 central modules cover plate, thanks to the knockouts of 20507, 19507 mounting frame (available in grey and white). The **protrusion** from the wall of: mounting frame + cover plate + device + button caps is equal to: **12,2 mm for Eikon Evo, 13 mm for Eikon, 13,7 mm for Arké and 14 mm for Plana.**

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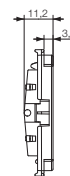
Radiofrequency devices

Flat device with radiofrequency transmitter, Low Energy *Bluetooth*® wireless technology

▲ 03925 4-button flat device with 2.4 GHz radiofrequency transmitter, Low Energy *Bluetooth*® wireless technology, energy harvesting power supply that uses a built-in electrodynamic generator, to be completed with Eikon 20506 or 20506.2, Arké 19506 or 19506.2 or Plana 14506 or 14506.2 button caps- 2 modules



▲ 03925



Flat device with radiofrequency transmitter, EnOcean® standard

The device operates in stand alone mode and with By-me home automation system (by using 20508, 19508 and 14508 interface) and enables the lighting and roller shutters control as a conventional device.

The devices with EnOcean® module can be installed for electrical system extension and require no masonry works.

Main characteristics

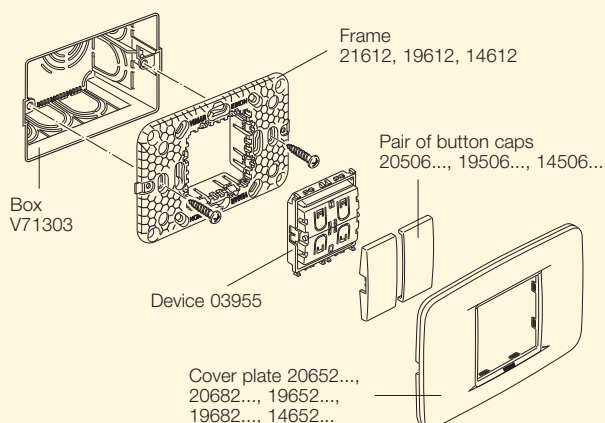
- powered by built-in electrodynamic generator by means of the pressure of the buttons, no batteries are necessary;
- operating temperature: + 5 - +45 °C (for indoor use);
- range di frequenza: 868.3 MHz;
- potenza RF trasmessa: < 25 mW (14dBm);
- Installation: flush or surface mounting. Surface mounting installation, thanks to the special mounting frame (art. 21507, 20507, 19507, 20607 or 14607), can be on materials such as wood, masonry, etc.
- Capacity: 70 m in an open field; this value is less when there are metal cover plates, cement, walls and/or metal partitions. Before installing the device, always take care to check the strength of the radio signal;
- The flat switch art. 03955 can communicate with other products that use EnOcean technology and accept the EnOcean Equipment Profile (EEP) F6 02 01 (for example art. 01796.1).

Conformity to Standard

RED Directive, EN 60950-1, EN 301-489-3, EN 300 220-2, EN 61000-3-2, EN 61000-3-3, EN 62479 Standards

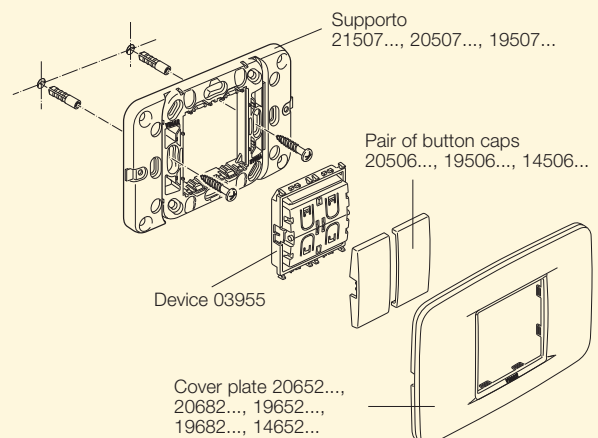
Vimar SpA declares that the radio equipment complies with Directive 2014/53/EU. The full text of the EU declaration of conformity is on the product sheet available at the following Internet address: www.vimar.com.

03955 - Flush mounting



The flat device can be installed on 3, 4 and 7 modules mountigna boxes. The **protrusion** from the wall of: mounting frame + cover plate + device + button caps is equal to: **9,5 mm for Eikon, 10,2 mm for Arké and 10,5 mm for Plana.**

03955 - Surface mounting (even with double-sided tape)



The flat device can be installed on 2 central modules cover plate, thanks to the knockouts of 20507, 19507 mounting frame (available in grey and white). The **protrusion** from the wall of: mounting frame + cover plate + device + button caps is equal to: **12,2 mm for Eikon Evo, 13 mm for Eikon, 13,7 mm for Arké and 14 mm for Plana.**

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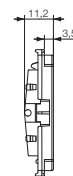
Radiofrequency devices

Flat device with radiofrequency transmitter, EnOcean® standard

▲ 03955 4-button flat device with 868 MHz EnOcean standard radiofrequency transmitter, energy harvesting supply powered by built-in electrodynamic generator, to complete with Eikon 20506 or 20506.2, Arké 19506 or 19506.2 or Plana 14506 or 14506.2 buttons - 2 modules



▲ 03955



Supporto per installazione a parete

Frame for surface mounting of EnOcean®, *Bluetooth® wireless technology*, ZigBee, Friends of Hue radiofrequency devices, to complete with Eikon Evo 2-central-module or 2-module cover plates

EIKON EVO



21507
grey



21507.B
white

Supporto per installazione a parete

Frame for surface mounting of EnOcean, *Bluetooth® wireless technology*, ZigBee, Friends of Hue radiofrequency devices, to complete with Eikon or Plana 2-central-module or 2-module cover plates

EIKON and PLANA



20507
grey



20507.B
white

Supporto per installazione a parete

Frame for surface mounting of EnOcean, *Bluetooth® wireless technology*, ZigBee, Friends of Hue radiofrequency devices, to complete with Arké 2-central-module or 2-module cover plates

ARKÉ



19507
grey



19507.B
white

Smart Home&Building

Radiofrequency devices

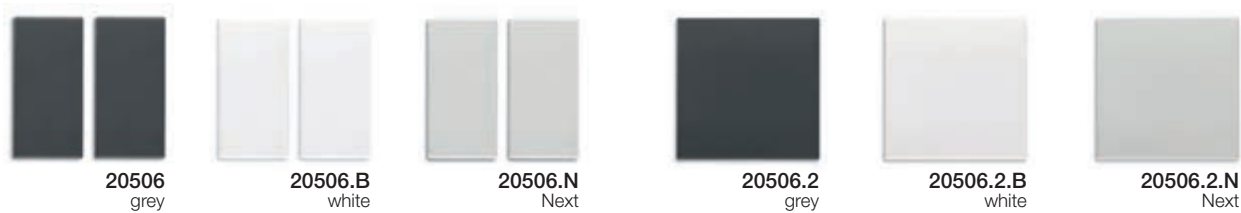


1- and 2-module interchangeable button caps

1-module for EnOcean®, Bluetooth® wireless technology, ZigBee, Friends of Hue radiofrequency devices - 2 pieces

2-module for EnOcean®, Bluetooth® wireless technology, ZigBee, Friends of Hue radiofrequency devices

EIKON



ARKÉ



PLANA



Bluetooth® wireless technology for sound system

4-button home automation device, 1 LINE OUT

The device, connected to the speaker system bus, is used to extract the non-amplified audio signal from the selected channel and send it where required to an amplifier. The device is also equipped with four independent push buttons that can also be configured as rocker switches, RGB LED with configurable colour, for setting and control functions in By-me home automation systems (light control, roller shutters, audio functions, etc.).

Main characteristics

- Rated supply voltage: 29 V Bus
- Terminals:
 - 2 for the sound system Bus
 - 2 for a By-me bus output for connecting up to 3 By-me devices
 - 3 for connection to the external amplifier
- Absorption on the speaker system Bus: 35 mA
- 4 pushbuttons that can also be configured as 2 rocker switches
- 4 RGB LEDs, each with configurable colour
- Line out OUTPUT for connecting to external amplifiers
- Red LED and configuration button
- Jumpers to insert the audio line end termination
- Operating temperature: $-5 \div +45$ °C (indoor use)
- Degree of protection: IP20
- Installation: flush or surface mounting (with surface mounting box 09975...)
- Compatible with the By-me 21509 control unit and EasyTool Professional
- The push button and rocker switch functional blocks have a group depth of 1 (that is, they can belong to one group only).

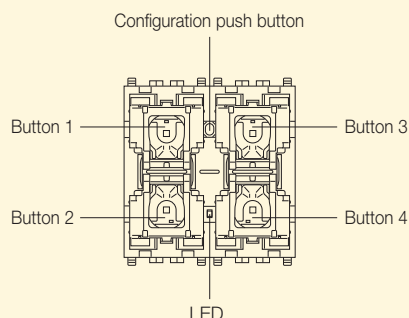
Connections

- The LINE OUT output on the device must only be connected to amplifiers with LINE IN inputs with double or reinforced insulation from the live parts.
- Connect with a coaxial cable with maximum length 10 m (for example art. 0002.060.E).

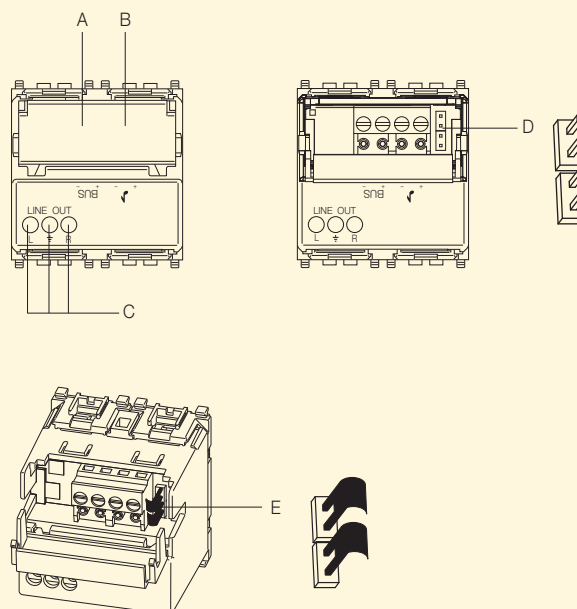
Conformity to Standards

EMC Directive,
EN 50428, EN 55002, EN 55024 Standards

01483 - Front view



01483 - Backside



Legend:

- A: TP Bus home automation terminals (max 3 By-me devices)
- B: Sound System Bus terminals
- C: LINE OUT terminals for external amplifier
- D: Bridges to terminate the audio line open
- E: Bridge closing with jumpers

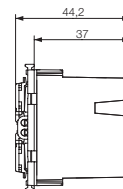
Bluetooth® wireless technology for sound system

4-button home automation device, 1 LINE OUT

▲ 01483 4-button home automation device, 1 LINE OUT output, RGB LED location in darkness with brightness control, to be completed with interchangeable 1- or 2-module Eikon, Arké or Plana half-buttons - 2 modules



▲ 01483



Bluetooth® wireless technology for sound system

4-button home automation device with stereo amplifier and 2 sound diffusers outputs

This device, equipped with 1 + 1 Wrms stereo amplifier, enables playing the audio data received on the Bus through the speakers connected to its outputs. The device is also equipped with four independent push buttons that can also be configured as rocker switches, RGB LED with configurable colour, for setting and control functions in By-me home automation systems (light control, roller shutters, audio functions, etc.).

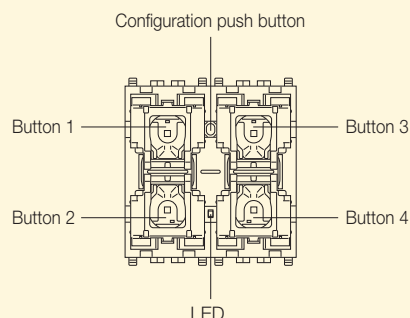
Main characteristics

- Rated supply voltage: 29 V Bus
- Auxiliary power supply (optional, used to avoid current consumption from the audio bus): 32 Vdc SELV
- Terminals:
 - 2 for the speaker system Bus
 - 2 for a By-me bus output for connecting up to 3 By-me devices
 - 2 for the auxiliary power supply at 32 Vdc SELV
 - 4 for the connection to the 2 audio speakers (8 Ω, 1+1 W rms)
- Absorption on the speaker system Bus:
 - 150 mA max. if powered via BUS
 - 10 mA if powered via 32 V auxiliary power supply
- Depending on the dimensions of the audio system it is possible to install the auxiliary power supply 20580-19580-14580 so as not to have to use another power supply 01400 or 01401.
- 4 pushbuttons that can also be configured as 2 rocker switches
- 4 RGB LEDs with configurable colour
- 8 Ω speaker output, 1+1 W rms
- Red LED and configuration button
- Jumpers to insert the audio line termination
- Section of the cable for connection to the speakers: 1 mm²
- Operating temperature: -5 ÷ +45 °C (indoor use)
- Degree of protection: IP20
- Installation: flush or surface mounting (with surface mounting box 09975...)
- Compatible with the By-me 21509 control unit and EasyTool Professional
- The push button and rocker switch functional blocks have a group depth of 1 (that is, they can belong to one group only).

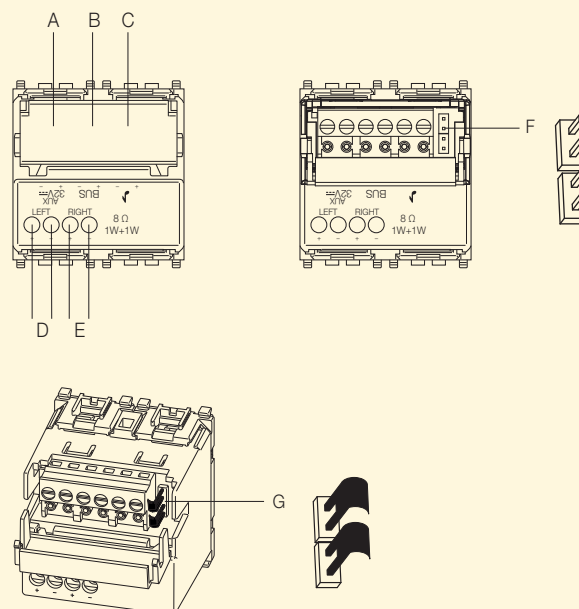
Conformity to Standards

EMC Directive,
EN 50428, EN 55002, EN 55024 Standards

01484 - Buttons descriptions



01484 - Backside



Legend:

- A: Terminals for connection auxiliary power supply 20580-19580-14580
- B: Home automation TP Bus terminals (max 3 By-me devices)
- C: Sound system Bus terminals
- D: Terminals + - for left side diffuser
- E: Terminals + - for right side diffuser
- F: Bridges to terminate the audio line open
- G: Bridge closing with jumpers

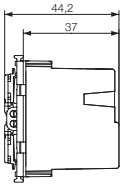
Bluetooth® wireless technology for sound system

4-button home automation device with stereo amplifier and 2 sound diffusers outputs

▲ 01484 4-button home automation device with 1 + 1 Wrms stereo amplifier, 2x 8 Ω speaker outputs, RGB LED location in darkness with brightness control, to be completed with interchangeable 1- or 2-module Eikon, Arké or Plana half-buttons - 2 module



▲ 01484



2 1-module interchangeable half-button

With volume symbols

With track/function change symbols

EIKON



▲ 20751.4
grey



▲ 20751.4.B
white



▲ 20751.4.N
Next



▲ 20751.5
grey



▲ 20751.5.B
white



▲ 20751.5.N
Next

ARKÉ



▲ 19751.4
grey



▲ 19751.4.B
white



▲ 19751.5
grey



▲ 19751.5.B
white

PLANA



▲ 14751.4
white



▲ 14751.4.SL
Silver



▲ 14751.5
white



▲ 14751.5.SL
Silver

Bluetooth® wireless technology for sound system

Bluetooth® wireless technology interface

The device is a **Bluetooth® wireless technology** interface that acts as a transmitter in the By-me speaker system to input the audio from a smartphone or tablet (Android, iOS and Windows Phone) on a BUS channel. In addition to transmitting the audio signal to the receiver devices, it is also used to control the smartphone or tablet remotely by sending commands on the bus, including play/pause, previous or next track.

Main characteristics

- Rated supply voltage: 29 V Bus
- Current draw on the BUS: 35 mA
- Terminals:
 - 2 for the speaker system Bus
 - 2 for a By-me bus output for connecting up to 3 By-me devices
- RGB LED indicating the state of the internal radio module and the device configuration phase
- Configuration push-button
- Jumpers to insert the audio line end termination
- Operating temperature: -5 ÷ +45 °C (indoor use)
- Degree of protection: IP20
- Installation: flush or surface mounting (with surface mounting box 09975...)
- Frequency range: 2400 MHz and 2483.5 MHz
- RF transmission power: < 100 mW (20 dBm)
- Codec audio supported: SBC, AAC
Since the most recent devices (with Android 8) may also use new unsupported codecs (e.g. LDAC), after pairing them, it is necessary to deactivate these codecs to force use of the supported ones.
- Supports **Bluetooth® wireless technology** Version 4.2 and is compatible with Bluetooth technology profiles A2DP 1.3 and AVRCP 1.6.
- Compatible with the By-me 21509 control unit and EasyTool Professional.
- Name of built-in **Bluetooth® wireless technology**: Vimar By-me Audio.

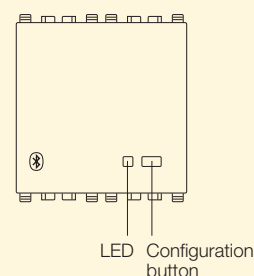
Functions

- Possibility to store up to 8 remote devices (smartphone, tablet, etc.).
Any ninth device stored overwrites the first one stored, and so on.
- "Vimar By-me Audio" can be associated to more than one **Bluetooth® wireless technology** device but music can be played from only one associated device at a time.
- Pairing: the internal radio module searches for a mobile device to store.
- Commands received: On/Off, track+/-, play/pause, scenario call, call request. Used to surf a playlist, moving to the next or previous track.
- Used to send information on the track, album and artist being played to the bus.
- The volume can be directly controlled from the smartphone or tablet.

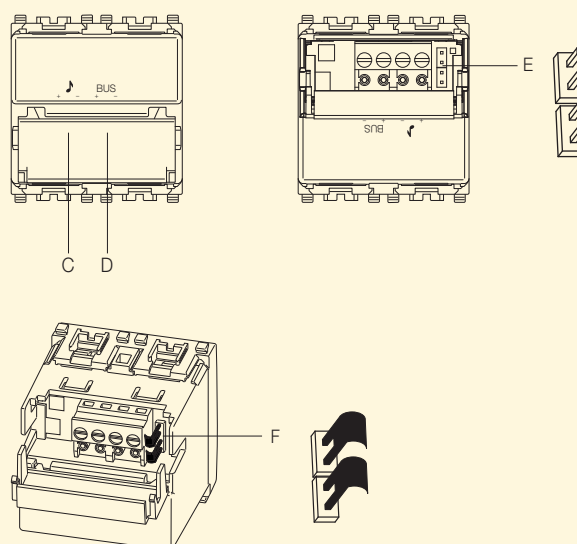
Configuration button:

- If the configurator is waiting to configure a device, a short press will put the device in configuration.
- If the configurator is waiting to delete a device, a long press (10 s) will reset the device.
- In normal operation, press the internal radio module briefly to switch it on or off.
If the device is on and is transmitting the audio signal on the bus (led blinking) it is not possible to switch the module off using the on/off button: it can only be switched off when the module is on (led on steady).

20589 - Buttons descriptions



20589 - Backside



Legend:

- A: Sound system Bus terminals
- D: Home automation TP Bus terminals (max 3 By-me devices)
- F: Bridges to terminate the audio line open
- G: Bridge closing with jumpers

20589 - RGB LED signalling

Red ON	Device in configuration or with button pressed
ON steady, with the colour set during configuration	Internal radio module on
Blinking with colour set at the time of configuration	Device on and sending the audio signal to the bus
Red blinking	Device on and sending the audio signal to the bus with upper input signal at the set threshold
Blue fast blinking	Pairing Function on

- In normal operation, a long press (2 s) enables the Pairing function. If no remote device is found, this phase ends after a timeout of around 90 s.

Conformity to Standards

RED Directive, EN 60669-2-5, EN 50491, EN 301 489-17, EN 300 328, EN 62311 Standards

Bluetooth® wireless technology for sound system

Bluetooth® wireless technology interface

Bluetooth® wireless technology interface for home automation, stores up to 8 mobile devices - 2 modules

EIKON



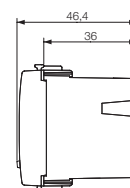
▲ 20589
grey



▲ 20589.B
white



▲ 20589.N
Next



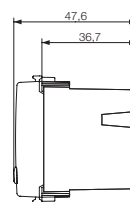
ARKÉ



▲ 19589
grey



▲ 19589.B
white



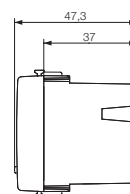
PLANA



▲ 14589
white



▲ 14589.SL
Silver



Bluetooth® wireless technology for sound system

4+4 W RMS amplifier with Bluetooth® wireless technology

The device is an audio stereo amplifier in class-D with built-in **Bluetooth® wireless technology** receiver with a LINE IN analogue audio input and two audio 4+4 W rms outputs (LEFT and RIGHT) for speakers with impedance 8 Ω. Reproduces the audio from a consumer analogue source (e.g. Hi-Fi system, CD player, portable MP3 players, TV, etc.) connected to the LINE IN input and, with a signal transmitted from the **Bluetooth® wireless technology** channel is can reproduce the audio signal from a smartphone or tablet (Android, iOS and Windows Phone) on the outputs.

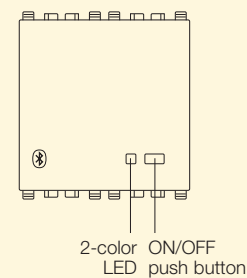
Main characteristics

- Rated supply voltage: 12 V SELV (use power supply art. 01831)
 - Absorption:
 - in OFF: 5 mA
 - in Standby (audio output OFF): 60 mA
 - IDLE (Audio output ON): max 950 mArms (with sinusoidal input 1 kHz I_{max}=1240 mA)
 - Terminals:
 - 2 for power supply at 12 V SELV
 - 3 for the LINE IN input. Input impedance 10 kΩ, maximum input level 580 mVrms (sinusoidal wave 1 kHz). The analogue audio source connected to the LINE IN input must have double or reinforced insulation from the live parts.
 - 4 for the two audio 4 + 4 W rms outputs for passive speakers with rated impedance 8 Ω (e.g. art. 20587, 21588, 01906, 01907, 01908).
- Note: As they are protected from overload, it is also possible to use 8 Ω 3W passive speakers art. 20587, taking care not to reach the maximum power as the audio could be distorted.
- Two-tone blue/white LED to signal the device status
 - ON/OFF button to switch the device on/off
 - Maximum cable length for speaker output: 30 m with max cross-section 1 mm²
 - Class D stereo audio amplifier
 - Operating temperature: -5 ÷ +45 °C (indoor use)
 - Degree of protection: IP20
 - Installation: flush or surface mounting (with surface mounting box 09975...)
 - Built-in protection:
 - against polarity inversion on the 12 V SELV power supply;
 - overload (resettable fuse)
 - overtemperature
 - Frequency range: 2400 MHz and 2483.5 MHz
 - RF transmission power: < 100 mW (20 dBm)
 - Supports Bluetooth technology Version 4.2 and is compatible with Bluetooth technology A2DP 1.3 and AVRCP 1.6 profiles
 - Codec audio supported: SBC, AAC. Since the most recent devices (with Android 8) may also use new unsupported codecs (e.g. LDAC), after pairing them, it is necessary to deactivate these codecs to force use of the supported ones.
 - Bluetooth technology module name: "Vimar Audio"

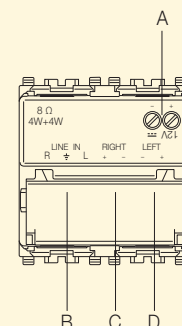
Functions

- Possibility to store up to 8 **Bluetooth® wireless technology** devices (smartphone, tablet, etc.). Any ninth device stored overwrites the first one stored, and so on.
- The volume is controlled directly from the consumer source connected to the LINE IN input or the smartphone or tablet.
- Pairing: the internal radio module searches for a mobile device to store (switch on the **Bluetooth® wireless technology** on the remote device and select "Vimar Audio").

20590 - Front view



20590 - Backside



Legend:

- A: Power supply terminals 12 V SELV
- B: Input terminals LINE IN
- C: Terminals +/- for left side diffuser
- D: Terminals -/+ for right side diffuser

20589 - 2-color LED signalling

Blue ON steady (per 1 s)	"Vimar Audio" ON
Slow blue blink (50 ms ON, 200 ms OFF, interval 2 s)	Audio reproduction Bluetooth® wireless technology
Fast blue blink (100 ms ON-100 ms OFF 10 times)	Pairing correctly done. The Bluetooth® wireless technology device has been recognised and its ID stored
Slow white blink (50 ms ON, 200 ms OFF, interval 2 s)	LINE IN input audio reproduction
Fast blink alternate blue-white (100 ms ON, 100 ms OFF)	Inquiry function on. "Vimar Audio" checks if there is a Bluetooth® wireless technology device nearby and if its ID is in the list of stored Bluetooth® wireless technology devices. This phase starts when the module is switched on and ends after a timeout of 40 s if no remote device is found.
Normal blue blink (500 ms ON, 500 ms OFF)	Pairing Function on. If the list of associated devices is empty, this phase starts immediately after "Vimar Audio" is switched on, otherwise it starts after the Inquiry phase. The pairing phase has a timeout of 90 s.
OFF	"Vimar Audio" OFF

- Inquiry: "Vimar audio" searches for **Bluetooth® wireless technology** devices in the list of stored devices.
- Signals: device status acoustic signal (power ON and pairing OK) on the outputs.
- Priority **Bluetooth® wireless technology** audio on the LINE IN audio.

Conformity to Standards

RED Directive, EN 60065, EN 301 489-17,
EN 300 328, EN 62311, EN 55032, EN 55024 Standards

Smart Home&Building
Bluetooth® wireless technology for sound system



4+4 W RMS amplifier with *Bluetooth® wireless technology*

4 + 4 W rms amplifier, 2 outputs for 8 ohm speakers with built-in *Bluetooth® wireless technology* receiver, 1 LINE IN input, 12 Vdc power supply - 2 modules


EIKON



▲ 20590
grey



▲ 20590.B
white



▲ 20590.N
Next



ARKÉ




▲ 19590
grey




▲ 19590.B
white



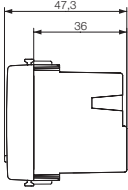
PLANA



▲ 14590
white



▲ 14590.SL
Silver



Power supply unit

01831

Power supply unit with 12 Vdc 1250 mA output, supply voltage 100-240 V~ 50/60 Hz, installation on DIN rail (60715 TH35), occupies 1.5 17.5 mm modules



01831

Access point Wi-Fi

Wi-Fi access point

This device can generate a 2.4 GHz Wi-Fi network, and the two LAN connections at the rear can be used to connect this network to an existent LAN, or they can be used as two wired ports to connect devices without wireless capability. It is possible to disable only the Wi-Fi radio part using the push-button on the front, or by wiring a push-button to the pair of spring terminals at the rear if the device is installed in a location that is not easy to reach.

Main characteristics

- Supply voltage: 230 V~, 50/60 Hz
- Power consumption: 2.5 W
- Frequency range: 2412-2472 MHz
- RF transmission power: < 100 mW (20 dBm)
- Transmission speed:
 - LAN connection (Ethernet): 10-100 Mb/s
 - Wi-Fi connection: 72.2 Mb/s max with 20 MHz channel and 150 Mb/s with 40 MHz channel (channel width can be set via web browser; default value 20 MHz)
- Wireless Standard: 802.11 b/g/n
- Available Security/Encryption types:
 - WPA-PSK, WPA2-PSK, mixed mode
 - WEP open system/shared key
- WiFi signal on/of and device reset push-button
- WiFi signal status LED
- Possible to connect remote WiFi signal on/of and device reset push-button. Use a VOLTAGE-FREE CONTACT.
- Operating temperature: -10°C to +40°C (indoor use)

Connections

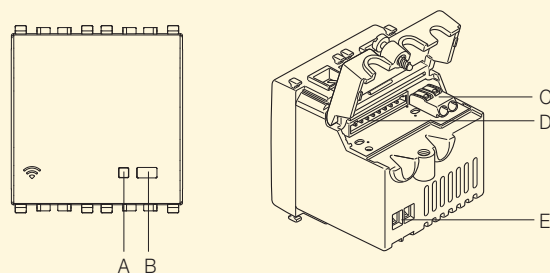
- Terminals:
 - screw clamp for 230 V~ power supply
 - spring for the remote push-button connections (voltage-free contact, SELV)
 - push-in for the LAN connections (two 100 base-TX Ethernet channels, SELV) with maximum conductor insulation ø 2.1 mm, 20-26 AWG.
- Cable section:
 - for power supply: 0.5–0.75 mm²
 - for remote push-button connection: 0.5 mm²
- Maximum connection length for the remote push-button: 20 m
- Ethernet cables:
 - We recommend using CAT.5e or CAT.6 UTP cables.
 - The access point has two independent Ethernet ports, each with the two pairs of conductors needed to operate in 100base-TX mode (colours: green+white/green and orange+white/orange).
 - In the system, the conductors are wired in accordance with the T568B schematic (see the CONNECTION EXAMPLE figure).
- Maximum Ethernet cable length: 100 m for each RJ45 output.

Operating

The device can provide the following types of operation:

1. Wi-Fi Access Point. This configuration implements a WiFi network that starts from a wired network connection.
2. Wi-Fi network extension. This configuration extends the WiFi network coverage using the access point as a signal "repeater"; in this case, it is necessary to set the home router SSID and password in the device. Note: In the event of variations to the router, change these settings on the Access Point first, in order to avoid losing the Wi-Fi radio connection.

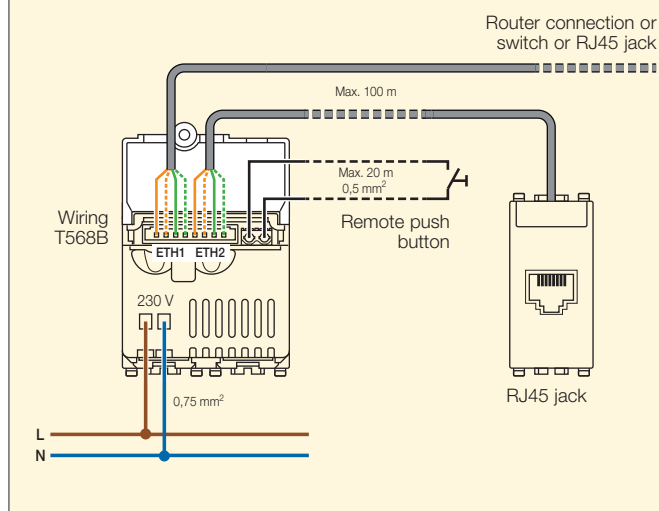
20195 - Front and backside



Legend:

- A: LED
- B: Wi-Fi ON/OFF and Reset push button
- C: remote control terminals
- D: WLAN terminals (main and secondary)
- E: L, N 230 V~ terminals

20195 - Wiring example



3. LAN network extension. This configuration extends the wired network to an area that the cable cannot reach directly. For this configuration, set device 1 to "Wi-Fi Access Point" mode, setting a different SSID and password from those of the main router, and set device 2 to "LAN network extension" mode with the same SSID and password as device 1. If you want to keep the same band available, filter the devices that can connect to device 1 by enabling the MAC address filter for the permitted devices. It is possible to set the WiFi signal repeater. When used to connect to the LAN, the ETH1 and ETH2 ports work as a switch.

Conformità normativa

LV Directive, RED Directive, EN 60950-1, EN 61000-6-1, EN 61000-6-3, EN 300 328, EN 301 489-17, EN 62311 Standards

Vimar SpA declares that the radio equipment complies with Directive 2014/53/EU. The full text of the EU declaration of conformity is on the product sheet available at the following Internet address: www.vimar.com.

Smart Home&Building

Access point Wi-Fi



Wi-Fi access point

Wi-Fi 54 Mb/s Access Point with 2 10-100 Mb/s LAN ports, input for remote Wi-Fi radio on/off push button, supply voltage 230 V~ 50/60 Hz - 2 modules

EIKON



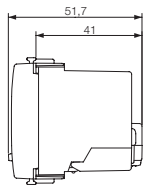
▲ 20195
grey



▲ 20195.B
white



▲ 20195.N
Next



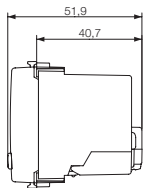
ARKÉ



▲ 19195
grey



▲ 19195.B
white



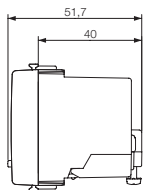
PLANA



▲ 14195
white



▲ 14195.SL
Silver





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