

CATALOGUE  
*english*

**PLANA**



PLANA



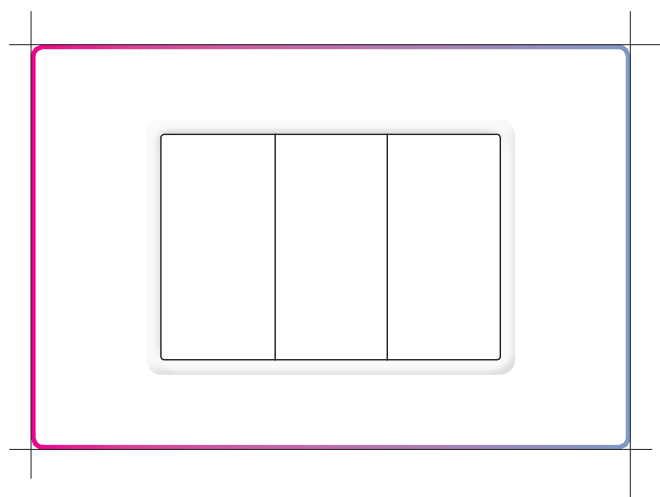
## ESSENTIAL, WITH VERVE.

Providing energy, with maximum linearity: the formal rigour of Plana is ideal for naturally enhancing any environment, with the combined use of intelligent and intuitive technologies. A modern and essential design with a strong character revealed in a versatile range of colours and materials for any combination.

### > Shape: essential, universal, linear.

Plana's design stands out for its rigorously shaped corners and modest size.

Solutions with a strong formal balance, ideal for those seeking a minimalist style.



### > Harmony: coordinated, elegant, impeccable.

Delicate in white, elegant in glossy silver, the Plana keys are perfectly coordinated with any cover plate finish, perfectly meeting all installation requirements and adapting to various environments. Maximum functionality combined with a flawless appearance.



Plana white

Plana Silver



## RESISTANT, FUNCTIONAL AND MODERN MATERIALS.

The elegance of metal, the warmth of wood, the modernity of technopolymer and the freshness of Reflex: every interior has its own look, enhanced and emphasised by Plana. Above all through its materials, which give the lighting point the right weight and the most appropriate overtones. And with its colours, 37 variants to choose from: from classical black and white to natural maple and pear woods, from brilliant metallic green and blue to icy cedar and mint, the assortment is endless.



### > Metal.

#### Aluminium.

Brushed aluminium for a natural effect that blends with the latest furnishing trends.

#### Metal.

Painted metal: an elegant and yet at the same time resistant material, in six colours with metallic or pearl finishes.

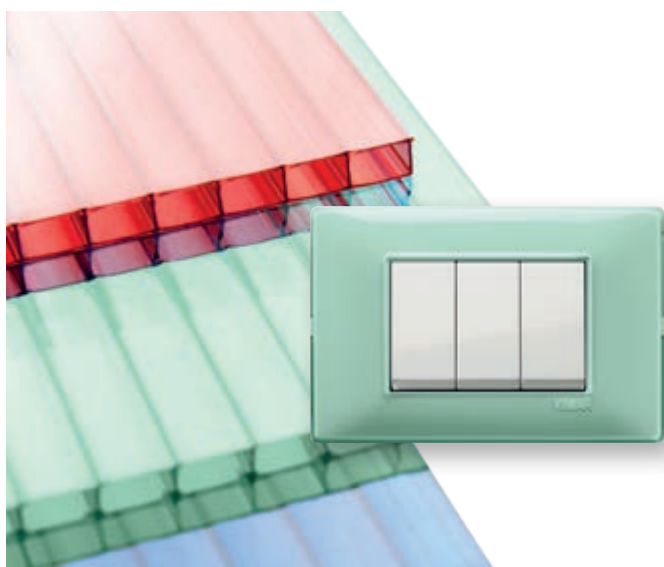


### > Wood.

#### Natural wood.

A natural material which gives interiors a peerless warmth. For Plana it comes in three wood finishes, maple, pear and natural cherry.





## > Reflex.

### Reflex.

Fresh, modern and eclectic, this material gives a special icy effect to its twelve colour variations. Twelve shades, from the deepest, orange and emerald green, to the lightest, mint and amber.



## > Technopolymer.

### Technopolymer.

High performance with an essential appearance, this material comes in fifteen colour variants, one of which is antibacterial.

# PLANA

## MANY SURPRISING COLOURS.

Bold, pastel, brilliant, gloss, matt, metallic or natural. The wide and surprising colour range of the Plana cover plates truly has something for everyone - from those who love understated shades to those who prefer brighter colours - creating a natural habitat for everyone's tastes.



Metal.



Wood.



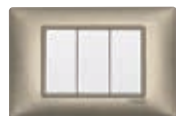
Technopolymer.



Reflex.



## METAL



70 Metallized bronze



71 Metallized silver



72 Metallized green



73 Metallized blue



74 Pearl nickel



75.01 Pearl silver



76 Antique brass



81 Brushed aluminum

## NATURAL WOOD



61 Maple



62 Pear-tree



63 Cherry

## TECHNOPOLYMER



01 White



02 Ivory



03 Beige



04 Cream



05 Black



06 Granite white



20 Matt silver



21 Matt nickel



22 Matt champagne



23 Iridescent brown



24 Polished gold



25 Matt gold



31 Ash



32 Fir



33 Makoré

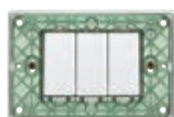
## REFLEX



40 Reflex ash



41 Reflex snow



42 Reflex air  
Transparent cover plate



43 Reflex amber



44 Reflex mint



45 Reflex water



46 Reflex cedar



47 Reflex emerald



48 Reflex orange



49 Reflex tobacco



50 Reflex sapphire



51 Reflex ruby



# PLANA

## CONTROLS.

Plana responds to any installation and stylistic demand with a large selection of controls: rocker, home automation, infra-red, radio frequency and touch sensitive. All with the technological precision Vimar guarantees. Available in white or Silver, Plana controls provide the greatest freedom of combination with the cover plates and fit perfectly into any home design style.

### Two colour variants and three modular designs.

The pureness of white combined with the modern appeal of Silver. 1, 2 and 3 module controls and vast potential for customisation with laser engraved symbols. Plana responds to any installation and stylistic demand.



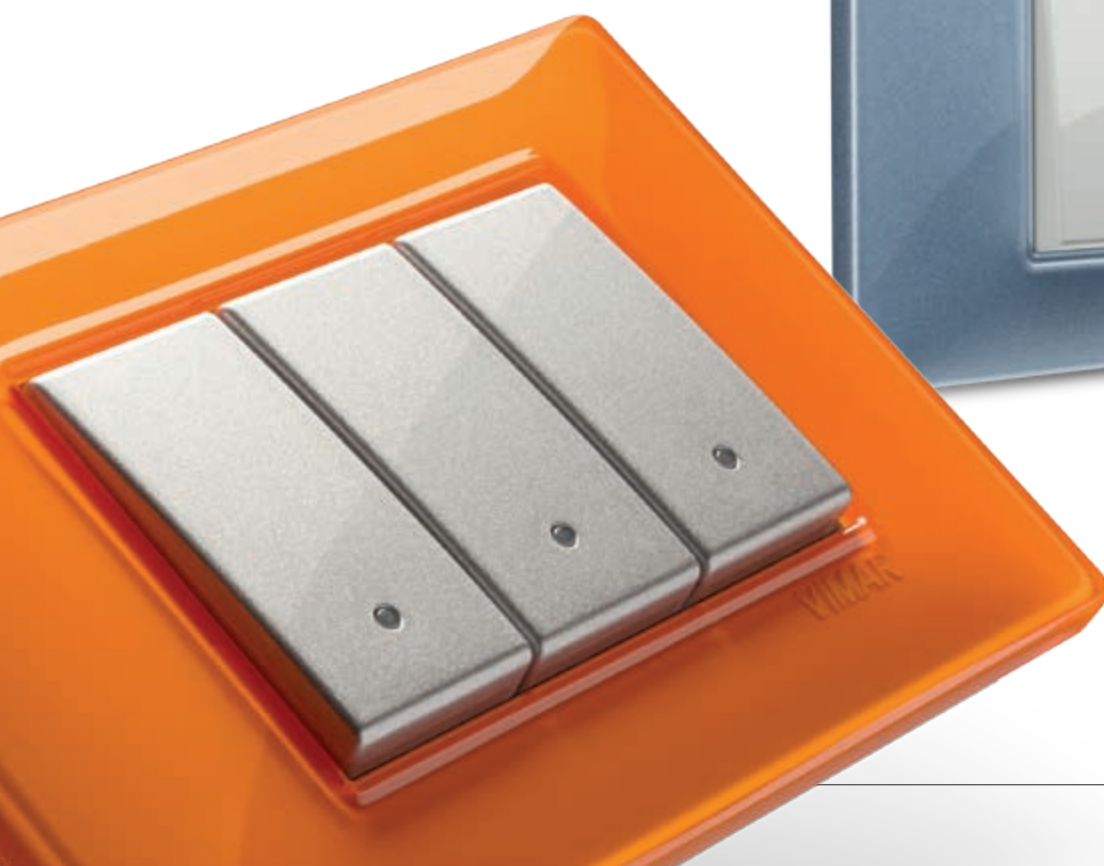
White buttons

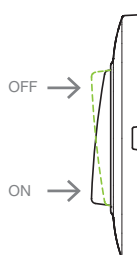
Silver buttons

## > Traditional controls.

For any energy control requirement, Plana offers controls that meet any installation and functional need with technological accuracy.

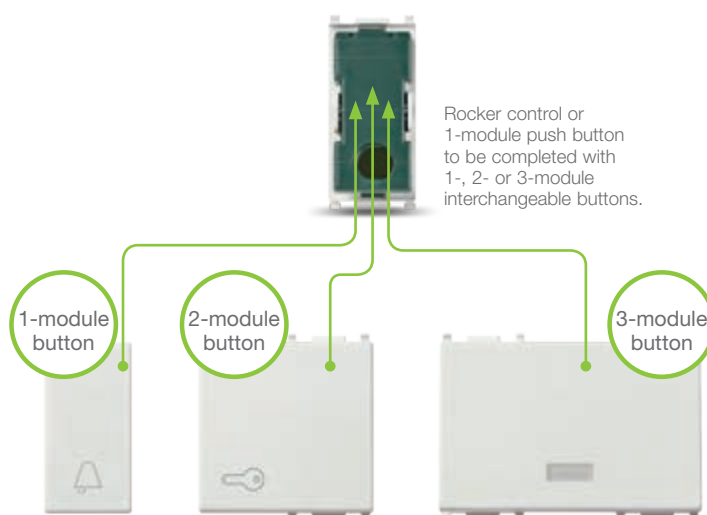
Rocker controls with precise, noiseless mechanisms ensuring perfect operation over time, ergonomic buttons that aid and simplify control and the backlighting that allows the control to be visible even in the dark, with constant and intuitive readability of the associated functions.





### Rocker controls.

The spring geometry of the moving contact of the mechanism performs a natural cushioning function, reducing its electrical recoils and wear, also thanks to a large increase in the quantity of silver of the contacts.



### Mechanism.

A 1-module rocker control device may be a 1-way or 2-way switch, a reversing switch or a push-button, and its interchangeable button may be neutral or customised with the symbol of its function.

The mechanism can be fitted with a **1-, 2- or 3-module button**, depending on the lighting point to be created.



### LED backlighting.

Efficient, energy-saving LED backlighting, available in different colours, makes controls visible even in the dark, while the symbols, either laser-engraved or customised, always clearly indicate the various functions.



The hi-tech, fluid green light used, typical of Plana controls and available as the standard backlighting colour, is a perfect match with the displays of the electronic devices.

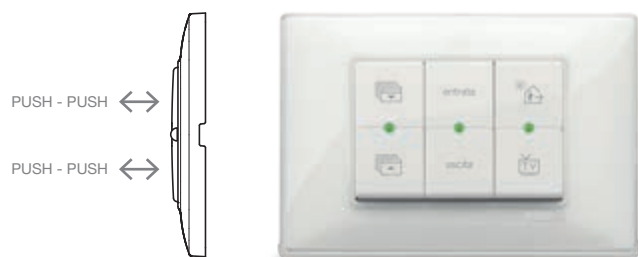


# PLANA

## CONTROL AND MONITORING DEVICES.

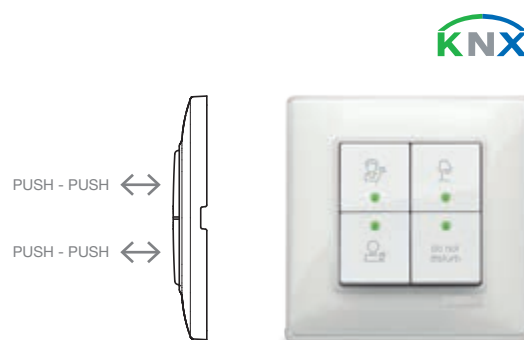
### > Electronic and home automation controls.

As well as conventional electromechanical controls, Plana offers devices incorporating state-of-the-art technologies, such as home automation controls, able to integrate in a home or building automation system to control lights and roller shutters, control electric loads or manage scenarios and events, or RF technology controls that do not require electrical power or batteries.



#### By-me home automation controls.

Lights, climate control and automations switched on by a single control, also in custom scenarios. To enjoy your home with the greatest comfort.



#### KNX home automation controls.

With 4 independent push-buttons, they allow the local management of scenarios, lighting and automations. For unrivalled convenience at all times.



#### Radio frequency controls.

With no power supply or batteries, they can be mounted on any surface, even wood or glass. The signal is transmitted by radio along the electrical system via the actuator with EnOcean, ZigBee Green Power and Bluetooth® wireless technology protocols, without any wiring or masonry work as there is no need for flush-mounting boxes. Ideal for renovations, redevelopments and updates, or any installations which have regulatory or architectural constraints.

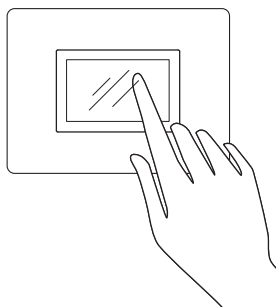


#### Infra-red controls.

To practically manage lighting and shutters with the special remote control.







### Touch screen controls.

Just a touch and the whole house is at your command. These elegant flush mounted devices are able to control the whole building or a single room, and have a user-friendly graphic interface.



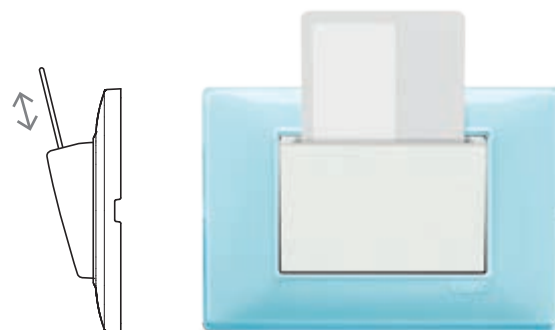
## > Special controls.

A series of controls with specific, particular functions to cover all needs, in both homes and hotels.



### Special controls.

In addition to the bell function, it has two indicator lights, Do Not Disturb and Please Clean, communicating the client's requests outside the room.



### Electronic reader with NFC/RFID slot.

Developed in partnership with Cisa and AGB, the electronic NFC/RFID transponder card reader for in-room installation with hotel applications is compatible with the electronic hotel solutions supplied by companies specialising in door access control systems (electronic locks). It is the ideal solution for conventional or home automation systems, interfacing with By-me and KNX systems.

## POWER AND DATA DISTRIBUTION DEVICES.

Vimar has a long history of ensuring safety where people and electricity live side by side. With meticulous attention to details, in accordance with high quality, safety and durability standards. The result is a large, versatile range of socket outlets for all installation needs, including power, multimedia and signal types.

### > Power socket outlets.

All power socket outlets feature the Sicury safety shutter (Vimar patent), which prevents accidental contact with live parts. As well as ordinary socket outlets, available to the Italian standard and those of the main export markets, the range is completed by interlocked sockets for overload protection and USB ports for the swift charging of even large smartphones, mp3 players or tablets.



#### Socket outlets with Sicury protective shutter.

Italian Bprese, universal socket outlets and coloured socket outlets for visual identification of specific lines, all with Sicury protective shutter, to power household appliances or electrical devices in residential and service sector contexts.



#### Interlocked socket.

Cuts off the power supply in the event of an overvoltage, to keep people safe.



#### USB ports.

For swift charging of the electronic devices in ever-wider use, such as smartphones, tables, MP3 players and GPS navigators. The High Power socket also charges even more powerful devices like 10" tablets at full speed.



#### Foreign standard socket outlets.

Plana offers a wide range of power outlet sockets to different foreign standards, to respond to the international market's most widely varying needs.

## > Signal and multimedia socket outlets.

Plana enables the connection of electronic devices and the transmission of digital signals through copper or fibre-optic data sockets, telephone socket outlets, USB data ports and RCA and TV-RD-SAT sockets; they all guarantee fast, safe connections to a high quality standard.



### TV-RD-SAT sockets.

A single device with sockets for connecting a TV, a radio and a satellite decoder.



### Multimedia sockets.

RCA and HDMI for connecting home entertainment devices and USB for data networks and connectors for the speaker connection.



### Data ports.

Cat. 5, 6 and 6A connections for different types of UTP and FTP wiring, for copper and fibre-optic networks thanks to the wide range of straight, tilted and 45-degree **Netsafe** sockets.



### Telephone socket outlets.

Versatile, easily installed, very high performance solutions thanks to the wide range of **Netsafe** sockets.

## SAFETY AND ENERGY SAVING DEVICES.

The Plana range of products contains devices able to guarantee personal safety, prevent damage to home appliances and maintain the integrity of the rooms in your home. These properties are integrated with a range of innovative functions that allow you to optimise energy consumption while guaranteeing well-being and comfort.

### > Safety devices.

High efficiency light sources optimised for different contexts of use. Automatic modular lights, step markers, warning lights and removable emergency torches that light up in the event of a blackout. Every device uses latest-generation LED specular transparent diffusers. Detectors that signal and cut off gas leaks. By-alarm intrusion detection alarm system that signals any break-in attempt. Elvox video door entry devices for creating versatile and high-performing video door entry systems. KNX standard transponder readers for access control in the various parts of the building.



**Emergency lamp and gas detector.**

The emergency lamp comes on in the event of a blackout to guide you safely in the dark. With a technology hyper-sensitive to gas leaks, the detector reports them, blocks them and describes the fault.



**By-alarm intrusion detection alarm system.**

Stand-alone and expandable with a vast range of devices, the By-alarm intrusion detection alarm system combines outstanding performance with great installation flexibility. It can control up to 64 zones, is easily installed with linear or radio frequency connections and can be remote controlled via GSM using a smartphone with the free By-phone App, or on a land-line network via a PSTN call. It can also be integrated with the By-me home automation system.



**Due Fili Plus video door entry.**

With the elegant 4,3" video touch screen with video door entry function, welcoming guests is simple and functional, and you always know who's at the door: the display shows the outside of the home, while the touch controls allow access. Communicates with other devices in the Elvox video door entry system range.



**Access control.**

The KNX standard transponder reader allows access to bedrooms, to specific areas or rooms of the building only to authorised persons.

## > Devices for energy saving.

Top comfort and energy savings: this is possible, with Plana. Universal dimmers regulate the intensity of LED and low consumption (CFL) lights to create the perfect atmosphere. Timer-thermostats and timer-switches are used to automatically or manually set the ideal temperature and other functions, to avoid waste. The Energy Guard function on Full Flat touch screens is used to monitor consumption of the whole home or a single load in real time. For greater energy awareness.



### Universal and RGB dimmers.

Used to adjust the brightness of LED and low consumption (CFL) lights and play with the colours of RGB lamps. This way, savings and the right atmosphere can shine as one.



### Temperature control.

Touch screen thermostats and timer-thermostats for optimal climate control, with blue backlighting coordinated with the controls and temperature and humidity probes.



### Motion sensors.

Detectors with infra-red sensors to switch on a light when someone passes through a room.

## STAND ALONE SOLUTIONS.

Simple solutions to provide a tangible and rapid response to specific requirements of comfort, energy efficiency and safety. With state-of-the-art functions for conventional electrical systems.

### > How can I manage energy use and climate control?

Touch screen timer-thermostats programmable via App, push-button centralised control functions, energy monitoring and outdoor temperature display. Range of temperature and humidity probes for integration in third-party heating systems.



#### System completion devices.



Power meter.

Linear temperature sensor.

Electronic temperature sensor.

Electronic active humidity sensor.

### > How can I create a data network?

With the **Netsafe** structured wiring system it offers versatile, simple to install and high performance solutions, for copper and fibre-optic networks, allowing a very wide range of action, all visually coordinated with the Vimar solutions.



#### System completion devices.



Copper and fibre-optic cables.

(CSOE) distribution module for the residential sector.

Apartment signal distribution board (QDSA) IP40

### > How can I extend my WLAN network?

With the Wi-Fi access point powered at 230 V~, a device used to extend the WLAN network even in parts of the building that are not covered by the Wi-Fi router.

The button on the front is used to switch the Wi-Fi signal on and off, and it has a rear input for connecting a remote button and a rear connector to be wired for 2 ports that can be used as switches.



#### Optional system completion devices.



Remote button for switching the Wi-Fi signal on and off.

RJ45 socket.

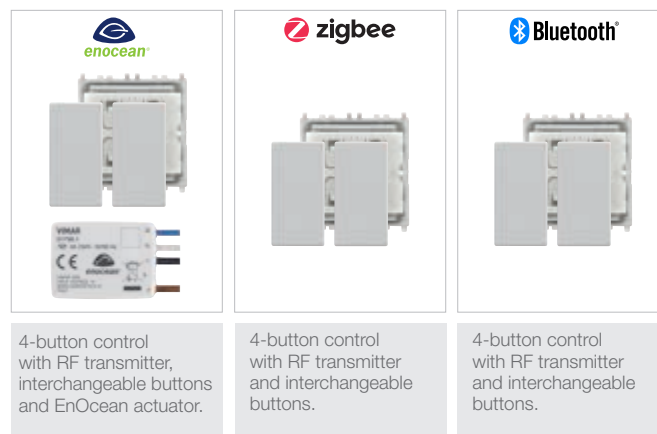


## > What about wireless controls?

Wireless and without batteries: the radio frequency controls for automation and lighting control can easily be installed on wood, glass or masonry, and are reliable thanks to the EnOcean, ZigBee Green Power and Bluetooth Low Energy green technologies which are powered by the energy produced when pressing the buttons.



### System completion devices.

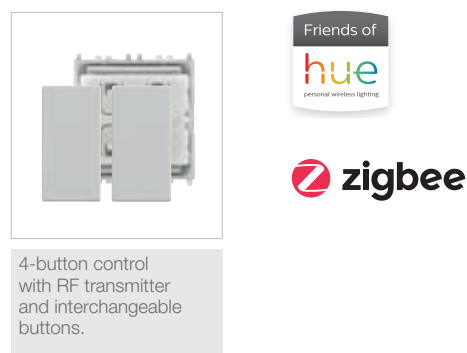


## > Can I control Philips Friends of Hue lamps?

By joining the Friends of Hue programme, Vimar has created a radio frequency control using the ZigBee Green Power standard, which dialogues with the Philips Hue bridge. Wireless and without batteries, it is powered by the energy produced when pressing the buttons.



### System completion devices.

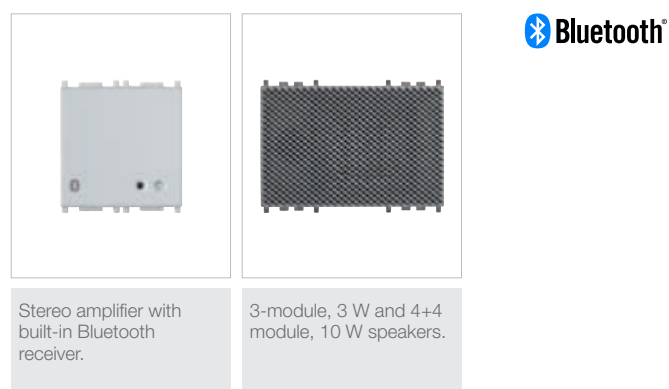


## > Can I listen to music with Bluetooth devices?

The Bluetooth receiver incorporated in the 4+4 W amplifier exploits the Bluetooth technology on your smartphone to connect quickly to your home stereo system or, on holiday, the system in your hotel room.



### System completion devices.



## > What's the easy way to centralise lights and roller shutters?

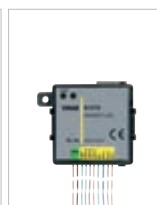
Thanks to preconfigured devices which do not need any specific programming and can create or transform a conventional system into a small centralised system specifically to control lights and roller shutters; ideal for residential or small service contexts, they can be integrated into the more advanced By-me home automation system to allow basic functions to be extended through programming.



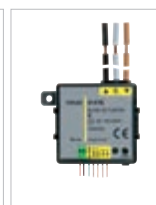
### System completion devices.



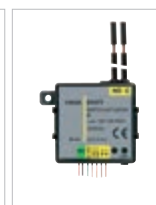
Module with 9 inputs and 8 pre-programmed outputs for roller shutters and lights.



Module with 3 programmable digital inputs for roller shutters and lights



Module with 2 programmable digital inputs for roller shutters.



Module with 2 programmable digital inputs for lights.



4-button home automation controls (01480), 4-button with actuator (01481) and 4-button with actuator and slat tilt function (01482), 2 modules.



6-button home automation controls (01485), 6-button with actuator (01486) and 6-button with actuator and slat tilt function (01487), 3 modules.

## > Can I control the roller shutters with a centralised solution that is quick and easy to install?

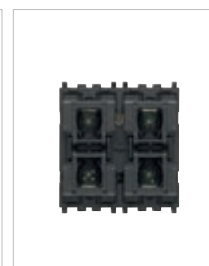
The roller shutter control kit is used to control up to 5 roller shutters, blinds or Venetian blinds, with a centralised total opening and closing scenario controllable from any switch. All the devices are preconfigured and require only correct cabling, do not need configuring and are installed easily even in existing systems.



### Kit component devices.



4-button operated control device.



Roller shutter control equipment with slat tilt function.



Supply unit.

## > How can I control accesses?

With elegant devices that provide access to various rooms only for authorised persons, thereby guaranteeing absolute security throughout the building.



### Optional system completion devices.



Smart card reader/programmer.



RFID transponder card reader, compatible with AGB and CISA hotel solutions.

## > How can I coordinate my video door entry system with Plana?

With the 4,3" video touch screen with video entryphone function, the flush-mounted entryphone and call button combine cutting-edge performance with ultra-easy installation and use.



### System completion devices.



Speakerphone.

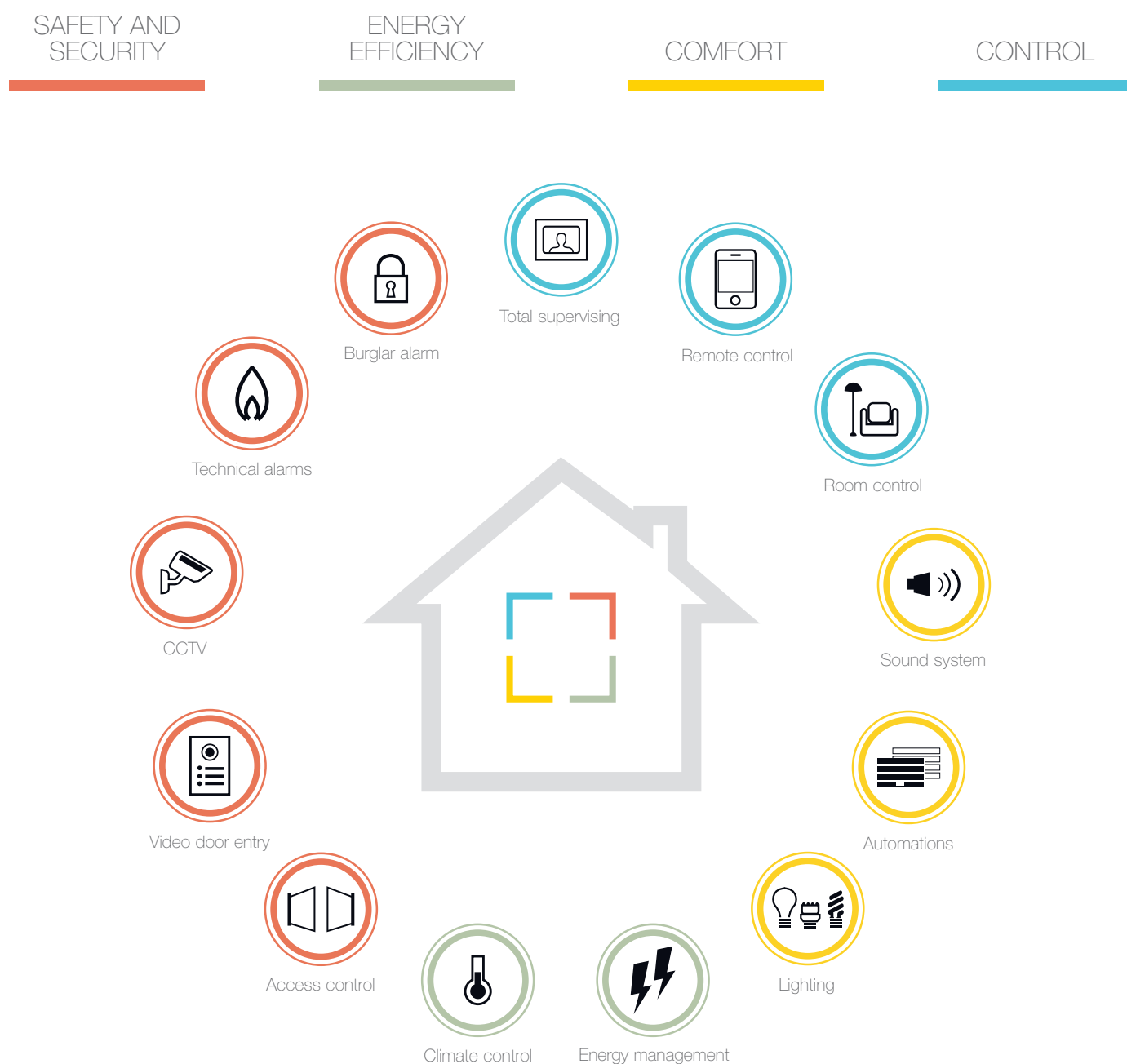


Call button.

## HOME AUTOMATION: ENERGY EFFICIENCY, SAFETY AND COMFORT WORK TOGETHER.

Inside a home automation building the various functions dialogue with each other comprehensively and continually, facilitating large as well as small daily actions and ensuring greater energy efficiency, safety, comfort and control.

Many solutions and all controlled from a single point. Centralized supervision via stylish touch screens to optimize energy consumption, check who is at your door, regulate the climate and lighting, move the roller shutters, activate or deactivate the burglar alarm system, view the filming of the video surveillance cameras or manage the sound system. Because we want you to experience your home in the best way possible.





### Safety and security.

A simple, effective and high-performance intrusion detection alarm system. Devices to switch the alarm system on and off, sensors for detecting people entering and an external signalling unit.



### Energy efficiency.

Monitor and view the energy consumed in the whole building or by single loads, efficiently control the temperature for greater energy awareness.



### Comfort.

The required temperature throughout the home, controlled and programmed for every single room. Home automation controls to call up preset scenarios, selected to suit personal needs and preferences.



### Control.

All the function in the home can be controlled centrally from a single control point, locally from the individual devices or remotely from a smartphone or tablet. Customise your everyday living to best suit your own needs.



## BUILDING AUTOMATION: CONTROL, COMFORT, ENERGY EFFICIENCY AND BUILDING SECURITY.

Flexible, interoperable and modular, Well-contact Plus is the Vimar system developed on the KNX standard to allow complete building management. Whether in small or large hotels, offices, multi-purpose centres or even gyms, Well-contact Plus is the solution that provides constant control of the building. This unique automation system provides even computerised management of lights, temperature, security, energy and access, offering functionality and comfort in every single room coupled with superb Italian design and technology.







### Safety and security.

The KNX standard transponder reader allows access to bedrooms, specific areas or rooms of the building only to authorised persons.



### Comfort.

The climate in every room is controlled locally from elegant electronic thermostats with back-lit display, developed on KNX standard and controllable directly from the central computer.



### Energy efficiency.

Detectors with infra-red motion sensors that switch the lights on only when needed.



### Control.

KNX controls with four independent buttons ensure local management of scenarios, lighting and automations. The different sized buttons are interchangeable and fitted with LEDs for signalling in the dark.

## SOLUTIONS FOR HEALTH FACILITIES: TIMELY, REASSURING, SCALABLE.

From small clinics to more complex healthcare facilities, it is essential for call devices to always ensure timely intervention and comprehensive assistance. Developed to comply with standard VDE0834-1-2, the Call-way call system is enhanced with Plana devices in the **Antibacterial** version to blend in perfectly with solutions that reassure the patients and make the medical staff's work easier.



### **ANTIBACTERIAL**

To ensure maximum hygiene at all times, Plana also comes in an antibacterial version with cover plates, devices and Call-way system terminals treated with silver ions. A special production process reduces the duplication of germs and bacteria, reducing their proliferation by over 90% over a 24 hour period.



#### Call button.

An intuitive device to call the nursing staff quickly, with a pilot light that reassures the patient that the nurse has been called.



#### Call cancelling button.

Cancels the call and signals the presence of staff in the room. The acoustic signal notifies of any calls from other rooms.



#### Corridor display.

Installed on the wards, it displays the system events: calls, presences, faults, alarms and ward messages (including advertising).



#### Anti-strangle call lead.

Installed in every room, it is used by patients to call the staff and has two light controls. In antibacterial material, it also has an anti-strangle, quick-release function.



## CUSTOMISATION.

Plana cover plates can be customised with your logo by laser engraving, providing high-definition, indelible reproduction. The same technology can also be used to customise the controls only, reproducing any symbol on the buttons.

A vast library of pictograms is available, identifying the main functions of both conventional and home automation controls.

### > Customised buttons.

To clearly identify the function associated to the control, buttons are laser screen printed with symbols chosen from our customisation library or supplied by the customer.



Laser engraved customised buttons.



KNX home automation system buttons customised with laser engraved customisation.



Home automation buttons with laser engraved customisation.



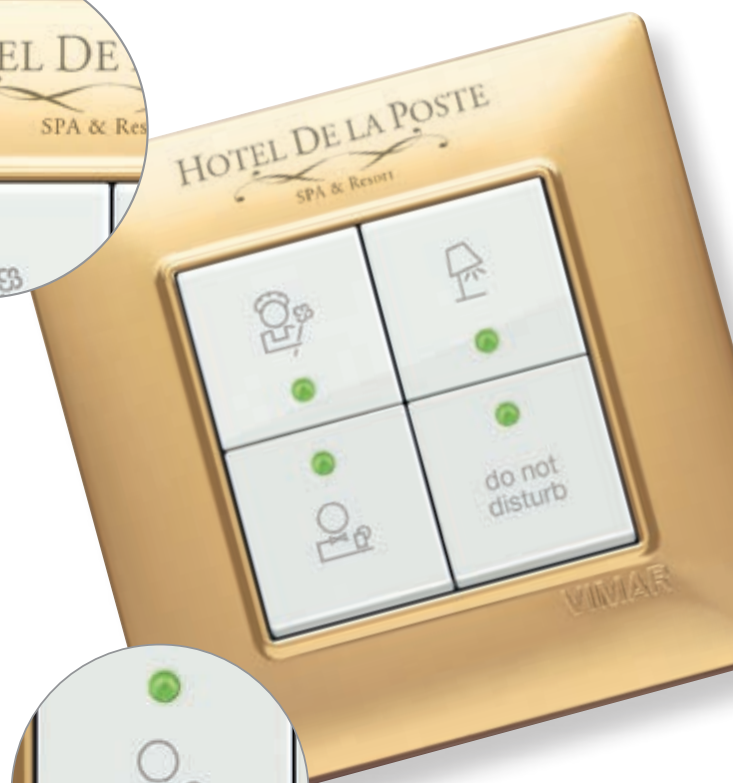
## > Cover plate customisation.

Idea cover plates can be customised with your logo. This solution is recommended in particular in the service sector.

In addition to the standard colours there is also a wide range of colours to further customise the cover plate. Our sales staff are at your disposal to illustrate this feature in detail.



Corporate logo customisation example.



Example of personalisation with function symbols.





## FLEXIBLE INSTALLATION.

Thanks to the many **mounting frames** available, ranging **from 1 up to a maximum of 21 modules**, and **control devices and socket outlets with 1, 2, 3 or 4 modules**, solutions can be found for all installation needs. The lighting point can be completed with the cover plate in the colour and material of your choice, with the same modular design as the mounting frame.

There are really countless installation solutions: devices can be flush mounted on masonry or plasterboard walls by means of special boxes, in airtight surface mounting enclosures for applications requiring a high degree of protection, or in table mounting boxes to have controls and sockets directly available in the workstation.

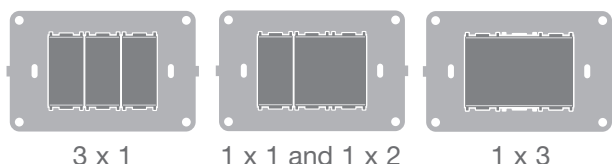
### > Wide selection of modular cover plate and mounting frame designs.

Cover plates and mounting frames from 1 to 18 modules and devices from 1 to 4 modules.



### > Modular devices.

Combinations with 1, 2 and 3 module devices on 3 module mounting frames.



### > ISOBX flush mounting boxes.

Strong and rigid for masonry and light plasterboard walls.

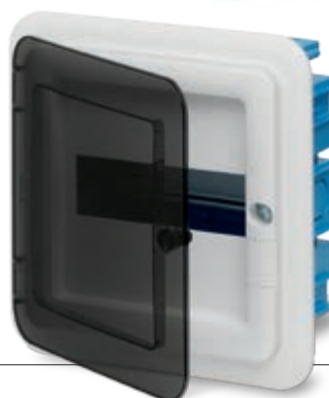


### > Desktop base.

Of 4, 7 or 8 modules, to provide a lighting point directly on the workstation. The slanting desktop base is designed to take 4,3 inch touch screens.

### > Consumer units.

A choice of two colours and careful styling down to the tiniest detail for elegant long, narrow flush mounting solutions to fit into the tightest spaces, for both masonry and plasterboard walls. Surface mounted consumer units are also available, as well as a wide range of DIN rail accessories and mounting frames.





## > Isoset surface mounting enclosures.

Isoset enclosures **with IP40 degree of protection**, installable either horizontal or vertical, and with **IP55** (EN 60529 CEI 70-1 standard) with door having an anti-UV membrane co-moulded in a single piece with the frame.



### Isoset IP40 enclosures.

The vast range of modular designs enables these enclosures to contain and protect a wide assortment of devices, providing the highest degree of safety even in the least protected parts of buildings, such as storerooms, cellars, boiler rooms and workshops.

**The enclosures** with 2, 4, 6, 8, 10 and 14 modules **can be installed in both vertical and horizontal banks** to meet all kinds of space requirements.



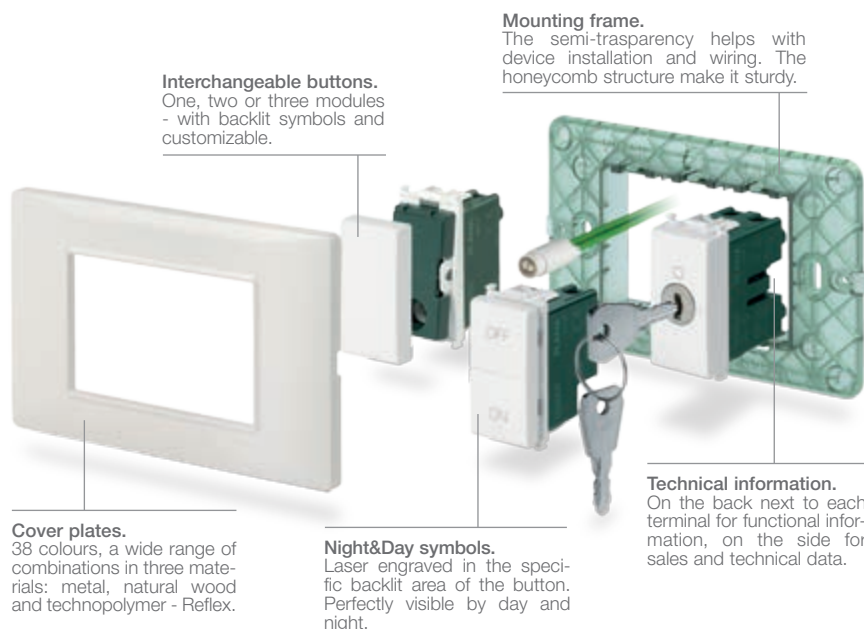
### Isoset IP55 enclosures.

Boxes and covers with IP55 degree of protection. The transparent diaphragm protects the controls from direct contact with dust and water. The **cover with locking system** ensures easy, secure opening and closing. For safe use even in environments with explosion danger due to the presence of explosives or flammable fluids or powders.



## INSTALLATION.

Installation is made easier thanks to the mounting frame with interlocking teeth that provide strong and reliable fixing for each single device and allows perfect alignment between buttons to create a tidy and visually pleasing stylistic effect. The devices are fixed front-on to the mounting frame, allowing work on the installation at any time without having to remove the mounting frame from the box.



### Plack-clack® hooking system.

A Vimar patent that makes it quick and easy to fit the lighting point components (devices and mounting frames) to the cover plate.

The plack-clack is a hooking system with an extra-strong mounting frame (thanks also to the honeycomb structure of the mounting frame) and exceptional rigidity, simplifying the front-on fitting and removal of devices.



Front-on fixing of the device to the mounting frame.

Hooking systems for fixing the device to the mounting frame.



### Wiring with screw clamps.

The wiring with screw terminals consists of clamps with a curved metal plate that locks the cable via a cross-head screw and is ideal for flexible or semi-rigid cables with a cross-section of from 0,5 mm<sup>2</sup> to 2,5 mm<sup>2</sup>.



#### Screw clamps.

Composed of a curved metal plate that clamps the cable by means of a crosshead screw.



#### Use of cables with different cross-sections.

Wiring with a flexible or semi-rigid cable with a cross-section of from 0,5 mm<sup>2</sup> to 2,5 mm<sup>2</sup>.



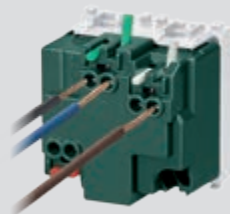
#### Technical information.

On the back next to each terminal for functional information, on the side for sales and technical data.



#### Special housing for the signalling unit.

Special housing for the signalling unit, backlighting and visibility of controls even in the dark.



### Smartfix rapid wiring.

Smartfix rapid wiring is a Vimar patent with screwless terminals with separate terminals and bistable levers. The contact lever is used to fit and/or remove solid, stranded and flexible cables even with different sizes and the separate terminals allow the independent management of each cable, facilitating specific maintenance without compromising the hold on the already wired cables.



#### Smartfix patent.

The Smartfix patented terminals have AISI 301 steel spring contacts, with an innovative geometry and separate, independent terminals. This solution allows you both to independently manage cable inputs and wire cables of different types and cross-sections in the same terminal, ensuring they are fully secure.



#### Use of cables with different cross-sections.

With the separate spring terminals (Smartfix patent) you can wire cables with different cross-sections on the two inputs of the same terminal even at the same time. Secure fastening is assured for both signal circuit cables with cross-section 0,5-2,5 mm<sup>2</sup> and power circuit cables with cross-section 1,5-2,5 mm<sup>2</sup>.























#### Bistable levers on the terminal.

A bistable lever works for each cable input; when raised, this opens a spring contact, and stranded or flexible cables can be inserted or removed very simply. Each one managing a specific cable input, the levers make maintenance easier without risking the secure fastening of the cables already wired.


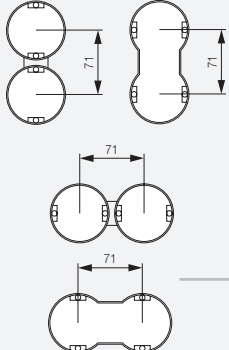
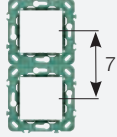
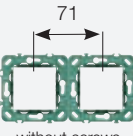






#### Management of independent cable inputs.

With the separate spring terminals you can manage two cable inputs independently on the same terminal, wiring or removing cables of different types and cross-sections on one input, without risking the secure fastening of the cables on the other input.

Composition	Boxes	Frames	Devices	Cover plates
 Panel mounting	 Panel mounting	 With screws	 1 module	 1 module*
 3 modules	 Flush mounting from 3 to 7 modules  Surface mounting	 With screws	 1 and 2 modules  3 x 1 modules  1 x 3 modules	 From 3 to 7 modules*
 8 modules	 Surface mounting 4 + 4 modules	 With screws	 4,3" touch screen Full Flat  2 x 1 module and 1 x 2 modules  4 x 1 module	 8 modules*

German and French standards (71 mm between centres installation)

 2 + 2 modules		 without screws, 71 mm between centres  without screws, 71 mm between centres	 2 x 2 modules  2 x 2 modules	 2 + 2 modules vertical mounting*  2 + 2 modules horizontal mounting*
--	---	--	--	--

British Standard












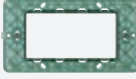

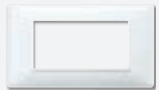
 Monobloc device		 3-module with screws	 Socket outlet monobloc device  ON/OFF unit monobloc device  1 and 2 modules	 Monobloc horizontal mounting*  Monobloc vertical mounting*  3 modules*
--	---	---	--	---

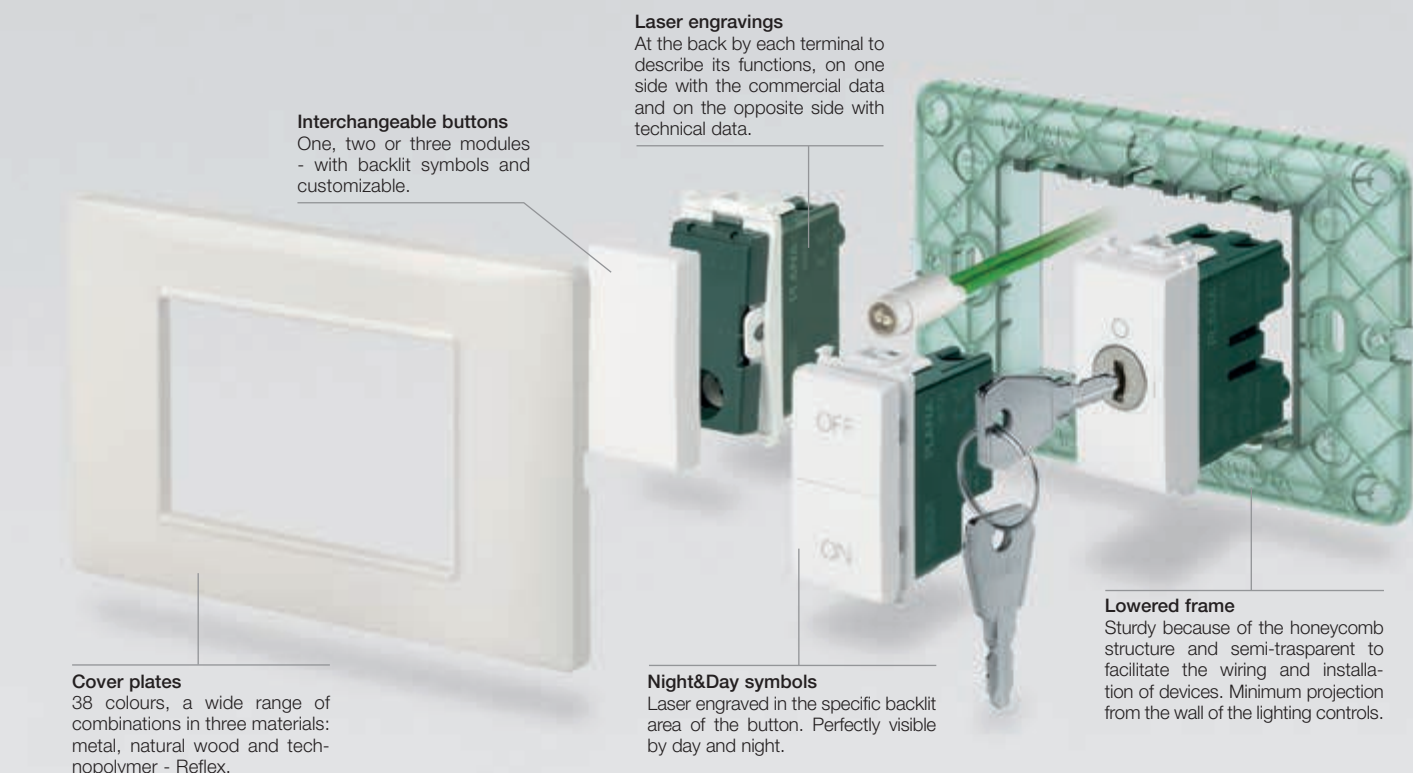
Table mounting

 Table mounting	 Table box	 With screws	 2 x 1 module and 1 x 2 modules	 From 4 to 7 modules*
---	--	--	---	---

\* For other combinations, see the installation types from page 96

## Mounting features

### 3-module installation



### Plak-clack® fixing



Devices fixing.

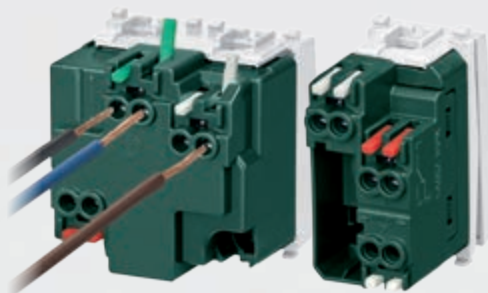


Devices removing.

## SCREWLESS TERMINALS

For solid, stranded and flexible cables. Quick, easy and safe.

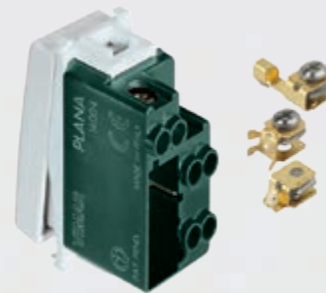
The quick-wiring terminals can hold rigid, semi-rigid and flexible cables, responding to all installation needs. Secure fastening is assured for both signal circuit cables with cross-section 0,5-2,5 mm<sup>2</sup> and power circuit cables with cross-section 1,5-2,5 mm<sup>2</sup>.




















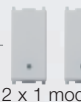


















## SCREW TERMINALS

Ergonomic contacts.

The metal plate in the terminals is curved: a Vimar refinement allowing the wire to be held in place until clamped with the screw. Secure fastening is assured for both signal circuit cables with cross-section 0,5-2,5 mm<sup>2</sup> and power circuit cables with cross-section 1,5-2,5 mm<sup>2</sup>.





Composition	Boxes	Frames	Devices	Cover plates
 <b>Panel mounting</b>	 Flush mounting	 With screws	 1 module	 From 1 to 2 modules*
 <b>From 1 to 2 modules</b>	 Flush mounting  Surface mounting	 2-module with/without screws or with claws	 1 x 2 modules  2 x 1 module	 From 1 to 2 modules*
 <b>For 2 central modules</b>	 Flush mounting  Surface mounting	 With screws  With screws	 2 x 1 module  1 x 2 modules  1 and 2 modules  3 x 1 module  1 x 3 modules	 2 central modules*  From 3 to 7 modules*
 <b>8 modules</b>	 Flush mounting  Table box	 With screws  With screws	 4,3" touch screen "Energy"  2 x 1 module and 1 x 2 modules  4 x 1 module  1 and 2 modules	 8 modules  4 and 7 modules*
 <b>Table mounting</b>				

\* For other combinations, see the installation types from page 96

## Mounting features for British standard

### Modular devices mounting

#### Interchangeable buttons

One or two modules - with backlit symbols and customizable.

#### Technical information

On the back next to each terminal for functional information, on the side for sales and technical data.

#### Customisation

Controllers and keys are marked with standard symbols or custom symbols on request, laser engraved in the specific area backlit with coloured LEDs.

#### Mounting frame

Stainless steel mounting frame with earth terminal, with lugs for an easy and fast installation of the devices from the front. Available also for 1 module with built-in blank module.

#### Cover plates

Wide range colours, in technopolymer and Reflex.

### Monobloc device (with built-in mounting frame)

#### Socket outlet

With SICURY patented system to prevent accidental contacts.

#### Monobloc device

Built-in mounting frame.

#### Fixing lugs

Possibility of horizontal and vertical mounting of device.

#### Signalling LED

Signalling of power supply, with integrated signalling unit, perfectly visible by day and night.

#### Cover plates



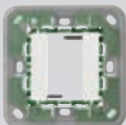











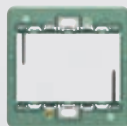







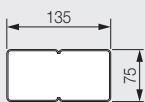



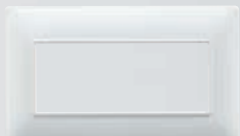
For vertical and horizontal mounting, it is available in a wide range of colours in technopolymer and Reflex.

### Matching possibility



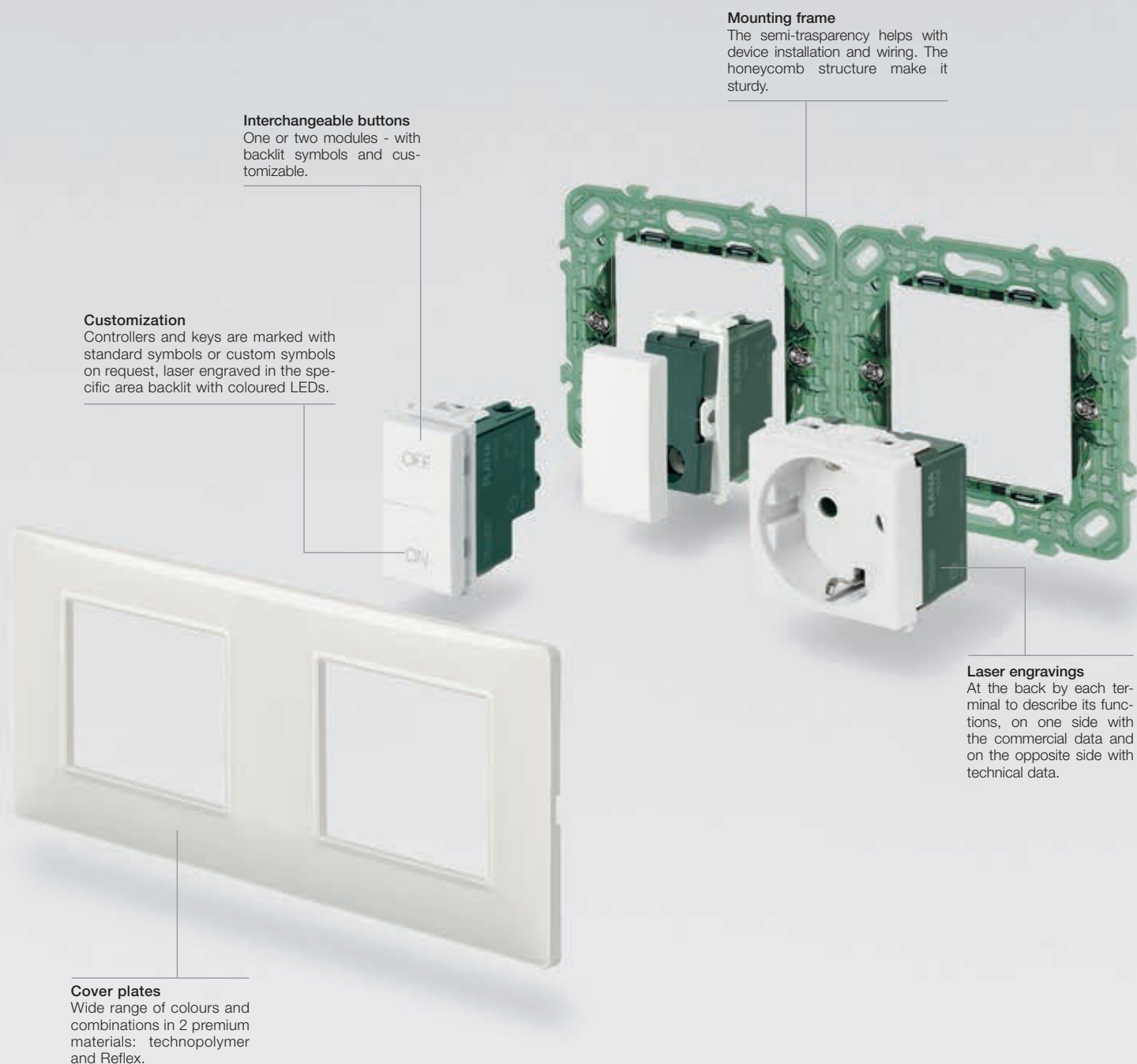
Joining possibility with minimum 25 mm of distance between boxes.


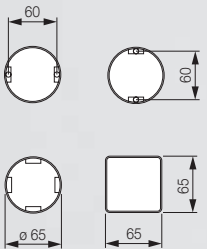
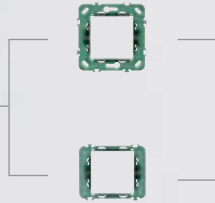



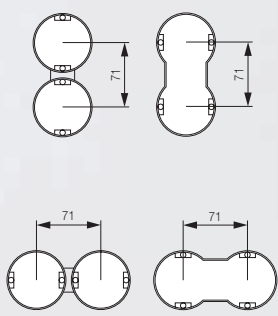
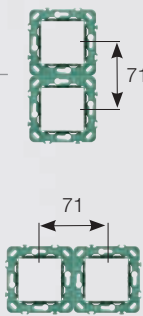

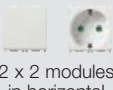



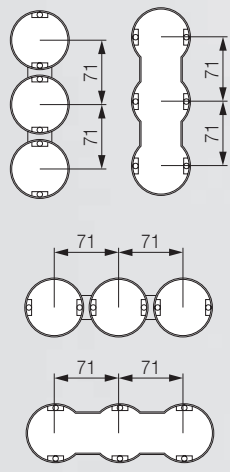
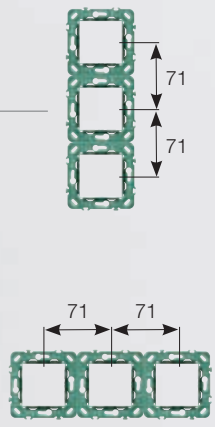
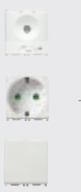
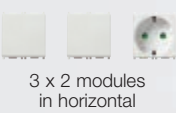



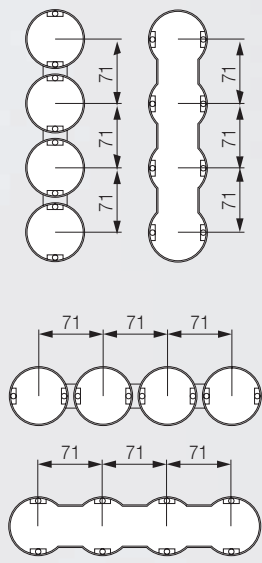
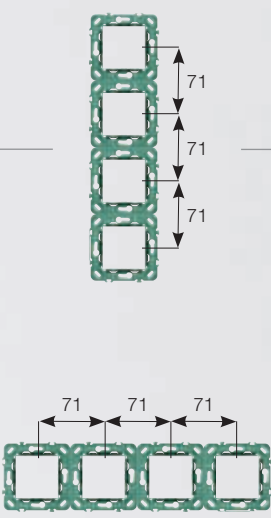
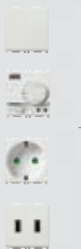





Composition	Box	Frame	Device	Cover plate
 <p>1 module, modular mounting (1-gang)</p>	 <p>1-gang mounting box Fixing centres: 60,3 mm</p>	 <p>1-module with screws M 3,5</p>	 <p>1-gang switch, 1 module</p>	 <p>1 module*</p>
 <p>2 modules, modular mounting (1-, 2-, 3-gang switch)</p>	 <p>1-gang mounting box Fixing centres: 60,3 mm</p>	 <p>2-module with screws M 3,5</p>	 <p>3-gang switch, 2 modules</p>  <p>Two 1-gang switches, 1 module</p>  <p>1-gang switch, 2 modules</p>	 <p>2 modules*</p>
 <p>monobloc device or 3 modules modular mounting</p>	 <p>1-gang mounting box Fixing centres: 60,3 mm</p>	 <p>3-module with screws M 3,5</p>	 <p>Socket outlet monobloc device</p>  <p>ON/OFF unit monobloc device</p>  <p>1 x 2 modules + 1 x 1 module</p>	 <p>Monobloc horizontal mounting*</p>  <p>Monobloc vertical mounting*</p>  <p>3 modules*</p>
 <p>monobloc device or 5 modules modular mounting</p>	 <p>2-gang mounting box Fixing centres: 120,6 mm</p>	 <p>5-module with screws M 3,5</p>	 <p>2-gang switched socket outlets monobloc device</p>  <p>2 x 2 modules + 1 x 1 module</p>	 <p>5 modules*</p>

## General features

ø 60 mm, ø 65x65 mm and 71 mm between centres (German and French standards)



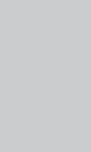

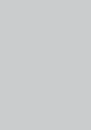


Composition	Box	Frame	Device	Cover plate
 <p>2 modules, ø 60 and 65 mm mounting box</p>			 <p>1-gang switch, 2 modules</p>	 <p>2 modules</p>
 <p>2+2 modules, 71 mm between centres</p>			 <p>2 x 2 modules in vertical</p>  <p>2 x 2 modules in horizontal</p>	 <p>vertical way</p>  <p>horizontal way</p>
 <p>2+2+2 modules, 71 mm between centres</p>			 <p>3 x 2 modules in vertical</p>  <p>3 x 2 modules in horizontal</p>	 <p>vertical way</p>  <p>horizontal way</p>
 <p>2+2+2+2 modules, 71 mm between centres</p>			 <p>4 x 2 modules in vertical</p>  <p>4 x 2 modules in horizontal</p>	 <p>vertical way</p>  <p>horizontal way</p>

## General features

ø 60 mm, ø 65x65 mm and 57 mm between centres (French standard)





Composition	Box	Frame	Device	Cover plate
 <p>2 modules, ø 60 and 65 mm mounting box</p>			<p>1-gang switch, 2 modules</p>	<p>2 modules</p>
 <p>2 + 2 modules, 57 mm between centres</p>			<p>1 x 2 modules and 2 x 1 module in vertical</p>	<p>vertical way</p>
 <p>2 + 2 modules, 57 mm between centres</p>			<p>1 x 2 modules and 2 x 1 module in horizontal</p>	<p>horizontal way</p>
 <p>2 + 2 + 2 modules, 57 mm between centres</p>			<p>2 x 2 modules and 2 x 1 module in vertical</p>	<p>vertical way</p>
 <p>2 + 2 + 2 modules, 57 mm between centres</p>			<p>2 x 2 modules and 2 x 1 module in horizontal</p>	<p>horizontal way</p>





## Plana:

Control devices	from page 40
Power and signal socket outlets	from page 49
Signalling, protection and detection	from page 59
Comfort	from page 63
Stand-alone solutions	from page 64
Home automation: By-me 	from page 70
Building automation: Well-contact Plus 	from page 81
Hospital care system: Call-way	from page 85
Cover plates range	from page 88
Installation types and customisations	from page 96

Enclosures and consumer units	from page 104
-------------------------------	---------------

Installation examples	from page 142
-----------------------	---------------

### White

### Silver

#### Blank modules and cable outlets



**14041**  
Blank module  
**14041.AB**  
As above, antibacterial treatment.  
Depth: 10 mm



**14042**  
Blank module - 2 modules.  
Depth: 10 mm



**14044**  
Cable outlet.  
Depth: 19,5 mm



**14041.SL**  
Blank module.  
Depth: 10 mm



**14042.SL**  
Blank module - 2 modules.  
Depth: 10 mm



**14044.SL**  
Cable outlet.  
Depth: 19,5 mm



**14046<sup>2</sup>**  
Cable outlet + terminalbar 20 A.  
Depth: 22,1 mm



**14047<sup>2</sup>**  
45 A 1-gang cable outlet supplied with cover plate.  
Depth: 20 mm



**14049<sup>3</sup>**  
13 A, 1-gang, switched and fused connection unit.  
Depth: 20,4 mm



**14046.SL<sup>2</sup>**  
Cable outlet + terminalbar 20 A.  
Depth: 22,1 mm



**14047.SL<sup>2</sup>**  
45 A 1-gang cable outlet supplied with cover plate.  
Depth: 20 mm



**14049.SL<sup>3</sup>**  
13 A, 1-gang, switched and fused connection unit.  
Depth: 20,4 mm

#### 1P 1-way switches 250 V~ (lightable<sup>°</sup>)



**14000**  
10 AX  
**14001**  
16 AX  
**14001.AB**  
As above, antibacterial treatment.  
Depth: 24 mm



**14000.2**  
10 AX, - 2 modules  
**14001.2**  
16 AX, - 2 modules.  
Depth: 24 mm



**14000.SL**  
10 AX  
**14001.SL**  
16 AX.  
Depth: 24 mm



**14000.2.SL**  
10 AX, - 2 modules  
**14001.2.SL**  
16 AX, - 2 modules.  
Depth: 24 mm



**14002**  
20 AX.  
Depth: 24 mm



**14002.2**  
20 AX, - 2 modules.  
Depth: 24 mm



**14003**  
20 AX, 3-gang - 2 modules.  
Depth: 24 mm



**14002.SL**  
20 AX.  
Depth: 24 mm



**14002.2.SL**  
20 AX, - 2 modules.  
Depth: 24 mm



**14003.SL**  
20 AX, 3-gang - 2 modules.  
Depth: 24 mm

#### 1P 1-way switches 250 V~, screwless terminals (lightable<sup>°</sup>)



**14000.FX**  
10 AX  
**14001.FX**  
16 AX.  
Depth: 25,7 mm



**14000.FX.2**  
10 AX - 2 modules  
**14001.FX.2**  
16 AX - 2 modules.  
Depth: 25,7 mm



**14000.FX.SL**  
10 AX  
**14001.FX.SL**  
16 AX.  
Depth: 25,7 mm



**14000.FX.2.SL**  
10 AX - 2 modules  
**14001.FX.2.SL**  
16 AX - 2 modules.  
Depth: 25,7 mm

### White

### Silver

#### 2P 1-way switches 250 V~ (lightable°)



**14015**  
16 AX  
**14015.AB**  
As above,  
antibacterial  
treatment.  
Depth:  
24 mm

**14015.2**  
16 AX,  
- 2 modules.  
Depth: 24 mm



**14015.SL**  
16 AX,  
Depth:  
24 mm

**14015.2.SL**  
16 AX,  
- 2 modules.  
Depth: 24 mm

#### 2P 1-way switches 250 V~, screwless terminals (lightable°)



**14015.FX**  
16 AX.  
Depth:  
25,7 mm

**14015.FX.2**  
16 AX,  
- 2 modules.  
Depth: 25,7 mm



**14015.FX.SL**  
16 AX.  
Depth:  
25,7 mm

**14015.FX.2.SL**  
16 AX,  
- 2 modules.  
Depth: 25,7 mm

#### 2P 1-way switches 250 V~ (lightable°)



**14016**  
20 AX.  
Depth:  
24 mm

**14016.2**  
20 AX, ON/OFF,  
- 2 modules.  
Depth: 24 mm

**14016.WH**  
20 AX,  
Water/Heater.  
Depth: 24 mm

**14016.2.WH**  
20 AX, Water/Heater  
- 2 modules.  
Depth: 24 mm



**14016.SL**  
20 AX.  
Depth:  
24 mm

**14016.2.SL**  
20 AX, ON/OFF,  
- 2 modules.  
Depth: 24 mm

**14016.WH.SL**  
20 AX,  
Water/Heater.  
Depth: 24 mm

**14016.2.WH.SL**  
20 AX, Water/Heater  
- 2 modules.  
Depth: 24 mm



**14017**  
32 A, 1-gang, ON/OFF.  
Depth: 22,5 mm

**14017.WH**  
32 A, 1-gang, Water/Heater.  
Depth: 22,5 mm



**14017.SL**  
32 A, 1-gang, ON/OFF.  
Depth: 22,5 mm

**14017.WH.SL**  
32 A, 1-gang, Water/Heater.  
Depth: 22,5 mm



**14018**  
45 A, 1-gang, ON/OFF.  
Depth: 22,5 mm

**14018.CK**  
45 A, 1-gang, cooker unit.  
Depth: 22,5 mm



**14018.SL**  
45 A, 1-gang, ON/OFF.  
Depth: 22,5 mm

**14018.CK.SL**  
45 A, 1-gang, cooker unit.  
Depth: 22,5 mm

### White

### Silver

#### 2P 1-way switches 250 V~ (lightable°)



**14019**  
45 A, 1-gang, ON/OFF  
for 2-gang boxes.  
Depth: 22,5 mm



**14019.CK**  
45 A, 1-gang, cooker  
unit for 2-gang boxes.  
Depth: 22,5 mm



**14019.SL**  
45 A, 1-gang, ON/OFF  
for 2-gang boxes.  
Depth: 22,5 mm



**14019.CK.SL**  
45 A, 1-gang, cooker  
unit for 2-gang boxes.  
Depth: 22,5 mm

#### Badge switch (lightable°)



**14466**  
Badge switch.  
Depth: 27,4 mm



**14466.SL**  
Badge switch.  
Depth: 27,4 mm

#### 1P 2-way switches 250 V~ (lightable°)



**14004**  
10 AX  
**14005**  
16 AX  
**14005.AB**  
As above,  
antibacterial  
treatment.  
Depth:  
24 mm

**14004.2**  
10 AX,  
- 2 modules  
**14005.2**  
16 AX,  
- 2 modules.  
Depth:  
24 mm



**14004.SL**  
10 AX  
**14005.SL**  
16 AX.  
Depth:  
24 mm

**14004.2.SL**  
10 AX,  
- 2 modules  
**14005.2.SL**  
16 AX,  
- 2 modules.  
Depth:  
24 mm

#### 1P 2-way switches 250 V~, screwless terminals (lightable°)



**14004.FX**  
10 AX  
**14005.FX**  
16 AX.  
Depth:  
25,7 mm

**14004.FX.2**  
10 AX,  
- 2 modules  
**14005.FX.2**  
16 AX,  
- 2 modules.  
Depth: 25,7 mm



**14004.FX.SL**  
10 AX  
**14005.FX.SL**  
16 AX.  
Depth:  
25,7 mm

**14004.FX.2.SL**  
10 AX,  
- 2 modules  
**14005.FX.2.SL**  
16 AX,  
- 2 modules.  
Depth: 25,7 mm

#### 1P 2-way switches 250 V~ (lightable°)


















**14006**  
20 AX.  
Depth:  
24 mm  
**14006.2**  
20 AX,  
- 2 modules.  
Depth: 24 mm  
**14007**  
20 AX, 3-gang  
- 2 modules.  
Depth: 30,6 mm



**14006.SL**  
20 AX.  
Depth:  
24 mm  
**14006.2.SL**  
20 AX,  
- 2 modules.  
Depth: 24 mm  
**14007.SL**  
20 AX, 3-gang  
- 2 modules.  
Depth: 30,6 mm

## Devices

White	Silver
<b>1P reversing switches 250 V~ (lightable°)</b>	
 <p><b>14013</b> 16 AX <b>14013.AB</b> As above, antibacterial treatment. Depth: 24 mm</p>  <p><b>14013.2</b> 16 AX, - 2 modules. Depth: 24 mm</p>	 <p><b>14013.SL</b> 16 AX. Depth: 24 mm</p>  <p><b>14013.2.SL</b> 16 AX, - 2 modules. Depth: 24 mm</p>
<b>1P reversing switches 250 V~, screwless terminals (lightable°)</b>	
 <p><b>14013.FX</b> 16 AX. Depth: 25,7 mm</p>  <p><b>14013.FX.2</b> 16 AX - 2 modules. Depth: 25,7 mm</p>	 <p><b>14013.FX.SL</b> 16 AX. Depth: 25,7 mm</p>  <p><b>14013.FX.2.SL</b> 16 AX - 2 modules. Depth: 25,7 mm</p>
<b>1P NO push buttons 250 V~ (lightable°)</b>	
 <p><b>14008</b> 10 A <b>14008.AB</b> As above, antibacterial treatment. Depth: 24 mm</p>  <p><b>14008.2</b> 10 A - 2 modules. Depth: 24 mm</p>  <p><b>14008.2.C</b> 10 A, bell symbol - 2 modules. Depth: 24 mm</p>  <p><b>14008.2.L</b> 10 A, light symbol - 2 modules. Depth: 24 mm</p>	 <p><b>14008.SL</b> 10 A. Depth: 24 mm</p>  <p><b>14008.2.SL</b> 10 A - 2 modules. Depth: 24 mm</p>  <p><b>14008.2.C.SL</b> 10 A, bell symbol - 2 modules. Depth: 24 mm</p>  <p><b>14008.2.L.SL</b> 10 A, light symbol - 2 modules. Depth: 24 mm</p>
<b>1P NO push buttons 250 V~, screwless terminals (lightable°)</b>	
 <p><b>14008.FX</b> 10 A. Depth: 25,7 mm</p>  <p><b>14008.FX.2</b> 10 A - 2 modules. Depth: 25,7 mm</p>	 <p><b>14008.FX.SL</b> 10 A. Depth: 25,7 mm</p>  <p><b>14008.FX.2.SL</b> 10 A - 2 modules. Depth: 25,7 mm</p>
<b>1P NC push buttons 250 V~ (lightable°)</b>	
 <p><b>14010</b> 10 A. Depth: 24 mm</p>	 <p><b>14010.SL</b> 10 A. Depth: 24 mm</p>

### White

### Silver

#### Lightable° mechanisms 250 V~ (common devices for the two versions)



**14000.0**  
1P 10 AX  
1-way switch.  
Depth: 24 mm



**14001.0**  
1P 16 AX  
1-way switch.  
Depth: 24 mm



**14015.0**  
2P 16 AX  
1-way switch.  
Depth: 24 mm



**14004.0**  
1P 10 AX  
2-way switch.  
Depth: 24 mm



**14005.0**  
1P 16 AX  
2-way switch.  
Depth: 24 mm



**14013.0**  
1P 16 AX  
reversing switch.  
Depth: 24 mm



**14008.0**  
1P NO 10 A  
push button.  
Depth: 24 mm



**14010.0**  
1P NC 10 A  
push button.  
Depth: 24 mm



**14002.0**  
1P 20 AX  
1-way switch.  
Depth: 24 mm



**14016.0**  
2P 20 AX  
1-way switch.  
Depth: 24 mm



**14006.0**  
1P 20 AX  
2-way switch.  
Depth: 24 mm

#### Lightable° mechanisms 250 V~, screwless terminals (common devices for the two versions)



**14000.FX.0**  
1P 10 AX  
1-way switch.  
Depth: 25,7 mm



**14001.FX.0**  
1P 16 AX  
1-way switch.  
Depth: 25,7 mm



**14015.FX.0**  
2P 16 AX  
1-way switch.  
Depth: 25,7 mm



**14004.FX.0**  
1P 10 AX  
2-way switch.  
Depth: 25,7 mm



**14005.FX.0**  
1P 16 AX  
2-way switch.  
Depth: 25,7 mm



**14013.FX.0**  
1P 16 AX  
reversing switch.  
Depth: 25,7 mm



**14008.FX.0**  
1P NO 10 A  
push button.  
Depth: 25,7 mm

#### 1-module interchangeable buttons (lightable°)



**14021**  
No symbol



**14021.G**  
Customizable



**14026**  
With diffuser



**14026.DND**  
Do Not Disturb,  
with diffuser



**14026.PLS**  
Please Clean,  
with diffuser



**14029**  
With name-  
plate



**14021.C**  
Bell symbol



**14021.L**  
Light symbol



**14021.P**  
Key symbol



**14021.99**  
O I symbols  
for DP switches



**14021.PS**  
'Press' marked



**14021.SL**  
No symbol



**14021.G.SL**  
Customizable



**14026.SL**  
With diffuser



**14026.DND.SL**  
Do Not Disturb,  
with diffuser



**14026.PLS.SL**  
Please Clean,  
with diffuser



**14029.SL**  
With name-  
plate



**14021.C.SL**  
Bell symbol



**14021.L.SL**  
Light symbol



**14021.P.SL**  
Key symbol



**14021.99.SL**  
O I symbols  
for DP switches



**14021.PS.SL**  
'Press' marked

#### 2-module interchangeable buttons (lightable°)



**14022**  
No symbol



**14022.AB**  
No symbol,  
antibacterial  
treatment



**14022.G**  
Customizable



**14027**  
With diffuser



**14022.SL**  
No symbol



**14022.G.SL**  
Customizable



**14027.SL**  
With diffuser



## Devices

### White

### Silver

#### 2-module interchangeable buttons (lightable°)



**14022.C**  
Bell symbol

**14022.L**  
Light symbol

**14022.P**  
Key symbol



**14022.99**  
O I symbols for  
14015.0 switches

**14022.PS**  
'Press' marked



**14022.C.SL**  
Bell symbol

**14022.L.SL**  
Light symbol

**14022.P.SL**  
Key symbol



**14022.99.SL**  
O I symbols for  
14015.0 switches

**14022.PS.SL**  
'Press' marked

#### 3-module interchangeable buttons 250 V~ (lightable°)



**14023**  
No symbol

**14023.G**  
Customizable



**14028**  
With diffuser

**14023.C**  
Bell symbol



**14023.SL**  
No symbol

**14023.G.SL**  
Customizable



**14028.SL**  
With diffuser

**14023.C.SL**  
Bell symbol

#### 1P special switches 250 V~



**14052**

NO 10 A,  
cord-operated.  
Depth: 24 mm

**14052.AB**

NO 10 A,  
cord-operated,  
antibacterial  
treatment.  
Depth: 24 mm

**14053**

NC 10 A,  
cord-operated.  
Depth: 24 mm



**14052.SL**

NO 10 A,  
cord-operated.  
Depth: 24 mm

**14053.SL**

NC 10 A,  
cord-operated.  
Depth: 24 mm



**14050**

NO 10 A, with  
lightable name-plate  
- 2 modules.  
Depth: 24 mm



**14097**

NO 10 A 230 V~, for hotel  
'Do Not Disturb' and 'Please  
Clean' lightable - 2 modules.  
Depth: 27 mm

#### Additional 1P switches 250 V~



**14056.33**  
10 A, NO+  
NC-contact,  
OFF symbol.  
Depth:  
28 mm

**14056.34**  
10 A, NO+  
NC-contact,  
ON symbol.  
Depth:  
28 mm

**14058**  
Two 10 A NO+NC  
independent contacts,  
OFF/ON symbols.  
Depth: 28 mm



**14056.33.SL**  
10 A, NO+  
NC-contact,  
OFF symbol.  
Depth:  
28 mm

**14056.34.SL**  
10 A, NO+  
NC-contact,  
ON symbol.  
Depth:  
28 mm

**14058.SL**  
Two 10 A NO+NC  
independent contacts,  
OFF/ON symbols.  
Depth: 28 mm

## Devices

White

Silver

### 1P push buttons 250 V~



**14066**  
Two NO 10 A,  
independents.  
Depth: 28 mm



**14066.SL**  
Two NO 10 A,  
independents.  
Depth: 28 mm

### 1P NO 10 A push buttons 250 V~ with indicator (for signalling unit<sup>o</sup>)



**14068.B**  
White  
diffuser.  
Depth:  
28 mm



**14068.B.SL**  
White  
diffuser.  
Depth:  
28 mm

### Set/Reset push buttons



**14183**  
For emergency call, 2 NO 5 A 250 V~  
relay outputs, supply 12 V~/  
12-24 Vdc (SELV) - 2 modules.  
Depth: 36 mm



**14183.SL**  
For emergency call, 2 NO 5 A 250 V~  
relay outputs, supply 12 V~/  
12-24 Vdc (SELV) - 2 modules.  
Depth: 36 mm

### Switches 250 V~



**14060**  
2P 10 AX  
2-way switch,  
OFF-central.  
Depth:  
32,5 mm



**14062**  
1P NO 10 A  
2-gang push  
buttons,  
interlocked.  
Depth:  
28 mm



**14060.SL**  
2P 10 AX  
2-way switch,  
OFF-central.  
Depth:  
32,5 mm



**14062.SL**  
1P NO 10 A  
2-gang push  
buttons,  
interlocked.  
Depth:  
28 mm

### 2P key-operated switches 250 V~ (add .CU to the basic code for switches with 000 unified key)



**14083**  
16 AX  
1-way switch.  
Depth: 30,5 mm



**14083.S**  
16 AX 1-way switch,  
key removable in "O"  
(OFF) position.  
Depth: 30,5 mm



**14087**  
NO 16 A  
push button.  
Depth: 30,5 mm



**14083.SL**  
16 AX  
1-way switch.  
Depth: 30,5 mm



**14083.S.SL**  
16 AX 1-way switch,  
key removable in "O"  
(OFF) position.  
Depth: 30,5 mm



**14087.SL**  
NO 16 A  
push button.  
Depth: 30,5 mm

### White

### Silver

#### Dimmers\*\*



**14135.1**  
MASTER,  
universal  
**14135.1.120**  
As above,  
120 V~.  
Depth:  
40,5 mm



**14136.1**  
MASTER,  
universal, with  
potentiometer.  
Depth:  
40,5 mm



**14136.AB.1**  
MASTER,  
universal, with  
potentiometer,  
antibacterial  
treatment.  
Depth:  
40,5 mm



**14138**  
RGB, with  
potentiometer  
**14138.120**  
As above,  
120 V~.  
Depth:  
40,5 mm



**14135.1.SL**  
MASTER,  
universal  
**14135.1.120.SL**  
As above,  
120 V~.  
Depth:  
40,5 mm



**14136.1.SL**  
MASTER,  
universal, with  
potentiometer.  
Depth:  
40,5 mm



**14138.SL**  
RGB, with  
potentiometer  
**14138.120.SL**  
As above,  
120 V~.  
Depth:  
40,5 mm



**14139**  
FADING-SHOW,  
with potentiometer  
**14139.120**  
As above,  
120 V~.  
Depth:  
40,5 mm



**14150**  
100-500 W,  
potentiometer,  
230 V~.  
Depth:  
39 mm



**14153**  
100-500 W  
push-push +  
potentiometer,  
230 V~.  
Depth:  
39 mm



**\*14146**  
60-900 W  
60-300 VA,  
potentiometer,  
230 V~.  
Depth:  
39 mm



**14139.SL**  
FADING-SHOW,  
with potentiometer  
**14139.120.SL**  
As above,  
120 V~.  
Depth:  
40,5 mm



**14150.SL**  
100-500 W,  
potentiometer,  
230 V~.  
Depth:  
39 mm



**14153.SL**  
100-500 W  
push-push +  
potentiometer,  
230 V~.  
Depth:  
39 mm



**\*14146.SL**  
60-900 W  
60-300 VA,  
potentiometer,  
230 V~.  
Depth:  
39 mm



**14147**  
30-500 W  
30-300 VA,  
potentiometer,  
120 V~.  
Depth:  
39 mm



**\*14148**  
MASTER,  
800 W/500 VA,  
120-230 V~.  
Depth:  
40,5 mm



**14165**  
MASTER, 500 W  
230 V~ - 2 modules.  
For incandescent lamps  
and ferromagnetic  
transformers.  
Depth: 32,5 mm



**14147.SL**  
30-500 W  
30-300 VA,  
potentiometer,  
120 V~.  
Depth:  
39 mm



**\*14148.SL**  
MASTER,  
800 W/500 VA,  
120-230 V~.  
Depth:  
40,5 mm



**14165.SL**  
MASTER, 500 W  
230 V~ - 2 modules.  
For incandescent lamps  
and ferromagnetic  
transformers.  
Depth: 32,5 mm

#### Dimmer - controllable loads

Type	UNIVERSAL							
DIMMER	14135.1				14136.1 - 14136.AB.1			
LOADS	2-wire connection		3-wire connection		2-wire connection		3-wire connection	
	LE	TE	LE	TE	LE	TE	LE	TE
Incandescence	40 ÷ 400 W	40 ÷ 300 W	40 ÷ 400 W	40 ÷ 300 W	40 ÷ 400 W	40 ÷ 300 W	40 ÷ 400 W	40 ÷ 300 W
Compact fluorescent lamps (CFL)	10 ÷ 100 W max 5 lamps	10 ÷ 200 W max 10 lamps	10 ÷ 100 W max 5 lamps	10 ÷ 200 W max 10 lamps	10 ÷ 100 W max 5 lamps	10 ÷ 200 W max 10 lamps	10 ÷ 100 W max 5 lamps	10 ÷ 200 W max 10 lamps
LED	5 ÷ 100 W max 10 lamps	5 ÷ 200 W max 20 lamps	3 ÷ 100 W max 10 lamps	3 ÷ 200 W max 20 lamps	5 ÷ 100 W max 10 lamps	5 ÷ 200 W max 20 lamps	3 ÷ 100 W max 10 lamps	3 ÷ 200 W max 20 lamps
Electronic transformers for halogen	40 ÷ 300 VA max 3 transformers type	40 ÷ 300 VA max 5 transformers type	40 ÷ 300 VA max 3 transformers type	40 ÷ 300 VA max 5 transformers type	40 ÷ 300 VA max 3 transformers type	40 ÷ 300 VA max 5 transformers type	40 ÷ 300 VA max 3 transformers type	40 ÷ 300 VA max 5 transformers type
Supply units for LED (arts. 01874, 01875)			max 10 units	NOT useful			max 10 units	NOT useful
Step marker lamps (art. 02662)			max 10 lamps	NOT useful			max 10 lamps	NOT useful

Type	RGB		FADING-SHOW	
DIMMER	14138		14139	
LOADS				
RGB supply units (art. 01876)	max 10 units		max 10 units	
RGB lamps (art. 02663)	max 10 lamps		max 10 lamps	

### White

### Silver

#### Dimmer - controllable loads

Type	STANDARD			
DIMMER	14150 (with rotary potentiometer)	14153 (with push-push switch and rotary potentiometer control)	14146 (with rotary potentiometer)	14165 MASTER
LOADS				
Incandescence	100 - 500 W	100 - 500 W	60 - 900 W	40 - 500 W at 50 Hz 40 - 400 W at 60 Hz
Ferromagnetic Transformers				40 - 500 VA at 50 Hz 40 - 400 VA at 60 Hz
Electronic transformers for extra low-voltage halogen lamps			60 - 300 VA 230 V~, 50/60 Hz	

#### Electronic supply unit



**01874**  
230 V~ 50 Hz, for controllable LED lamps, 12-24 Vdc  
**01874.120**  
As above, 120 V~



**01875**  
230 V~ 50 Hz, for controllable LED lamps, 350/500/700 mA  
**01875.120**  
As above, 120 V~



**01876**  
230 V~ 50 Hz, for controllable LED RGB lamps, 12-24 Vdc  
**01876.120**  
As above, 120 V~

#### Infrared switches



**14172**  
Receiver, NO 6 A 230 V~, relay output 50/60 Hz.  
Depth: 36 mm



**14173**  
Receiver, 4 A 230 V~ relay outputs, for rolling shutters - 2 modules.  
Depth: 36 mm



**14175**  
Receiver, 40-450 W/VA dimmer, 230 V~.  
Depth: 40,5 mm



**14172.SL**  
Receiver, NO 6 A 230 V~, relay output 50/60 Hz.  
Depth: 36 mm



**14173.SL**  
Receiver, 4 A 230 V~ relay outputs, for rolling shutters - 2 modules.  
Depth: 36 mm



**14175.SL**  
Receiver 40-450 W/VA dimmer, 230 V~.  
Depth: 40,5 mm



**01849**  
IR remote control, 14-channel



**14181**  
Lighting switch, NO 6 A 230 V~ relay output, 50/60 Hz

**14181.120**  
As above, 120 V~.  
Depth: 36 mm



**14184**  
For incandescent lamps, 60-300 W, 230 V~ 50/60 Hz.  
Depth: 36 mm



**00801**  
Orientable support - 1 module



**14181.SL**  
Lighting switch, NO 6 A 230 V~ relay output, 50/60 Hz

**14181.120.SL**  
As above, 120 V~.  
Depth: 36 mm



**14184.SL**  
For incandescent lamps, 60-300 W, 230 V~ 50/60 Hz.  
Depth: 36 mm



**00801.20**  
Orientable support - 1 module



**00805**  
Adaptor for orientable support flush mounting - 2 modules.  
Depth: 36,5 mm



**00800**  
Frame for orientable support surface mounting



**00805.20**  
Adaptor for orientable support flush mounting - 2 modules.  
Depth: 36,5 mm



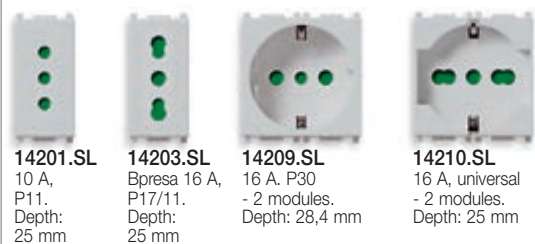
**00800.20**  
Frame for orientable support surface mounting

## Socket outlets

### White

### Silver

#### SICURY 2P+E Italian standard socket outlets 250 V~



#### SICURY 2P+E socket outlets 250 V~ (for dedicated supply lines)



#### Socket outlets 250 V~ - German standard



#### Socket outlets 250 V~, screwless terminals - German standard



## Socket outlets

### White

### Silver

#### Socket outlets 250 V~ - French standard



**14212**  
SICURY 2P+E  
16 A, French  
- 2 modules  
**14212.AB**

As above,  
antibacterial  
treatment.  
Depth: 25,4 mm



**14212.C**  
SICURY 2P+E 16 A,  
French, with cover  
- 2 modules.  
Depth: 26,7 mm



**14212.SL**  
SICURY 2P+E  
16 A, French  
- 2 modules.  
Depth: 25,4 mm



**14212.C.SL**  
SICURY 2P+E 16 A,  
French, with cover  
- 2 modules.  
Depth: 26,7 mm

#### Socket outlets 250 V~, screwless terminals - French standard



**14212.FX**  
SICURY 2P+E  
16 A, French  
- 2 modules.  
Depth: 29,5 mm



**14212.FX.C**  
SICURY 2P+E 16 A,  
French, with cover  
- 2 modules.  
Depth: 29,9 mm



**14212.FX.SL**  
SICURY 2P+E  
16 A, French  
- 2 modules.  
Depth: 29,5 mm



**14212.FX.C.SL**  
SICURY 2P+E 16 A,  
French, with cover  
- 2 modules.  
Depth: 29,9 mm

#### Socket outlets 250 V~ - English standard



**14214**  
SICURY 2P+E  
5 A, English  
- 2 modules.  
Depth: 16,8 mm



**14218**  
SICURY 2P+E  
16 A, English  
- 2 modules.  
Depth: 25,2 mm



**14219<sup>4</sup>**  
2P+E 13 A,  
English  
- 2 modules.  
Depth: 17 mm



**14220**  
SICURY 2P+E  
13 A, English  
- 2 modules.  
Depth: 21,4 mm



**14214.SL**  
SICURY 2P+E  
5 A, English  
- 2 modules.  
Depth: 16,8 mm



**14218.SL**  
SICURY 2P+E  
16 A, English  
- 2 modules.  
Depth: 25,2 mm



**14219.SL<sup>4</sup>**  
2P+E 13 A,  
English  
- 2 modules.  
Depth: 17 mm



**14220.SL**  
SICURY 2P+E  
13 A, English  
- 2 modules.  
Depth: 21,4 mm

#### Socket outlets 250 V~ - Swiss standard



**14226**  
2P+E 10 A, Swiss,  
13-type - 2 modules.  
Depth: 41 mm



**14226.SL**  
2P+E 10 A, Swiss,  
13-type - 2 modules.  
Depth: 41 mm

#### Socket outlets 250 V~ - Euro-American standard



**14233**  
2P 16 A,  
Euro-American  
(ø 4,8 mm).  
Depth:  
28 mm



**14248**  
SICURY 2P+E 16 A,  
Euro-American  
- 2 modules.  
Depth: 25,5 mm



**14249**  
Two SICURY 2P+E  
16 A, Euro-American  
- 3 modules.  
Depth: 23,5 mm



**14233.SL**  
2P 16 A,  
Euro-American  
(ø 4,8 mm).  
Depth:  
28 mm



**14248.SL**  
SICURY 2P+E 16 A,  
Euro-American  
- 2 modules.  
Depth: 25,5 mm



**14249.SL**  
Two SICURY 2P+E  
16 A, Euro-American  
- 3 modules.  
Depth: 23,5 mm



## Socket outlets

White

Silver

### Socket outlets 127 V~ - USA and Arabian standard



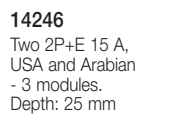
**14242**  
SICURY 2P+E  
15 A, USA and  
Arabian



**14243**  
Two SICURY 2P+E  
15 A, USA and Arabian  
- 3 modules



**14245**  
2P+E 15 A,  
USA and  
Arabian.  
Depth:  
26,4 mm



**14246**  
Two 2P+E 15 A,  
USA and Arabian  
- 3 modules.  
Depth: 25 mm



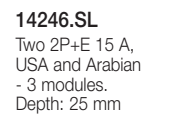
**14242.SL**  
SICURY 2P+E  
15 A, USA and  
Arabian



**14243.SL**  
Two SICURY 2P+E  
15 A, USA and Arabian  
- 3 modules



**14245.SL**  
2P+E 15 A,  
USA and  
Arabian.  
Depth:  
26,4 mm



**14246.SL**  
Two 2P+E 15 A,  
USA and Arabian  
- 3 modules.  
Depth: 25 mm

### Socket outlets 250 V~ - American standard



**14247**  
2P+E 15 A,  
American.  
Depth: 26,4 mm



**14247.SL**  
2P+E 15 A,  
American.  
Depth: 26,4 mm

### Socket outlets 250 V~ - Israeli standard



**14240**  
SICURY 2P+E 16 A,  
Israeli - 2 modules.  
Depth: 28,7 mm



**14240.SL**  
SICURY 2P+E 16 A,  
Israeli - 2 modules.  
Depth: 28,7 mm

### Socket outlets 250 V~ - Argentinian standard



**14250**  
SICURY  
2P+E 10 A,  
Argentinian.  
Depth:  
26 mm



**14253**  
SICURY 2P+E  
20 A, Argentinian  
- 2 modules.  
Depth: 27,8 mm



**14250.SL**  
SICURY  
2P+E 10 A,  
Argentinian.  
Depth:  
26 mm



**14253.SL**  
SICURY 2P+E  
20 A, Argentinian  
- 2 modules.  
Depth: 27,8 mm

### Socket outlets 250 V~ - Chinese standard



**14254**  
SICURY 2P+E  
16 A, Chinese  
- 2 modules.  
Depth: 27,8 mm



**14254.SL**  
SICURY 2P+E  
16 A, Chinese  
- 2 modules.  
Depth: 27,8 mm

## Socket outlets

### White

### Silver

#### Socket outlets 250 V~ - Australian standard



**14261**  
SICURY 2P+E  
10 A, Australian  
- 2 modules.  
Depth: 28,2 mm



**14262**  
SICURY 2P+E  
15 A, Australian  
- 2 modules.  
Depth: 28,2 mm



**14261.SL**  
SICURY 2P+E  
10 A, Australian  
- 2 modules.  
Depth: 28,2 mm



**14262.SL**  
SICURY 2P+E  
15 A, Australian  
- 2 modules.  
Depth: 28,2 mm

#### Socket outlets 250 V~ - Brazilian standard



**14264**  
SICURY  
2P+E 10 A,  
Brazilian.  
Depth:  
31,5 mm



**14265**  
SICURY  
2P+E 20 A,  
Brazilian.  
Depth:  
31,5 mm



**14264.SL**  
SICURY  
2P+E 10 A,  
Brazilian.  
Depth:  
31,5 mm



**14265.SL**  
SICURY  
2P+E 20 A,  
Brazilian.  
Depth:  
31,5 mm

#### Socket outlets 250 V~ - Multistandard



**\*14257**  
SICURY 2P+E 13 A,  
multistandard  
- 2 modules.  
Depth: 17,7 mm



**▲14255**  
SICURY 2P+E 13 A,  
multistandard  
- 3 modules.  
Depth: 18,54 mm



**\*14257.SL**  
SICURY 2P+E 13 A,  
multistandard  
- 2 modules.  
Depth: 17,7 mm



**▲14255.SL**  
SICURY 2P+E 13 A,  
multistandard  
- 3 modules.  
Depth: 18,54 mm

#### Socket outlets 250 V~ - British standard (lightable with signalling unit 00930°)



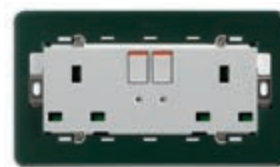
**14221°**  
SICURY 2P+E 13 A,  
1-gang, switched.  
Depth: 17,5 mm



**14222°**  
SICURY 2P+E 13 A, 2-gang, switched.  
Depth: 17,5 mm



**14221.SL°**  
SICURY 2P+E 13 A,  
1-gang, switched.  
Depth: 17,5 mm



**14222.SL°**  
SICURY 2P+E 13 A, 2-gang, switched.  
Depth: 17,5 mm



**14215°**  
SICURY 2P+E 5 A,  
1-gang, switched.  
Depth: 17,5 mm



**14217°**  
SICURY 2P+E 15 A,  
1-gang, switched.  
Depth: 25,5 mm



**14215.SL°**  
SICURY 2P+E 5 A,  
1-gang, switched.  
Depth: 17,5 mm



**14217.SL°**  
SICURY 2P+E 15 A,  
1-gang, switched.  
Depth: 25,5 mm

## Socket outlets

White

Silver

### Socket outlets 125 V~ - 2P+E 15 A 60 Hz - American standard



**14296**  
Double American  
standard with GFCI  
- 3 modules.  
Depth: 33,4 mm

### Possibles matches - Foreign standard plugs and socket outlets

SOCKET OUTLET PLUG	German	French	English				Swiss	Israeli	British standard			
	14208...	14212...	14214	14218	14219	14220	14226	14240	14221	14222	14215	14217
S10 Italian standard	•	•						•				
2P 2,5 A Europlug	•	•					•	•				
2P+E 16 A 250 V~ German standard	•							○				
2P+E 16 A 250 V~ German and French standards	•	•						○				
2P 16 A 250 V~ German and French standards	•	•						•				
2P+E 16 A 250 V~ French standard		•						○				
2P+E 10 A 250 V~ Swiss standard							•					
2P+E 16 A 250 V~ Israeli standard								•				
2P+E 5 A 250 V~ English standard			•								•	
2P+E 13 A 250 V~ English standard					•	•			•	•		
2P+E 16 A 250 V~ English standard				•								
2P+E 15 A 250 V~ English standard												•
2P 13 A 220 V~ Saudi Arabian standard									•	•		

● Plug standard matches socket outlet; ○ Plug standard matches the socket outlet without earth connection.

### Possibles matches - Foreign standard plugs and socket outlets

SOCKET OUTLET PLUG	Argentinian		Brazilian		Chinese	Australian	
	14250	14253	14264	14265	14254	20261	14262
2P 2,5 A Europlug			•	•			
2P+E 10 A 250 V~ Argentinian standard	•						
2P+E 20 A 250 V~ Argentinian standard		•					
2P+E 10 A 250 V~ Brazilian standard			•	•			
2P+E 20 A 250 V~ Brazilian standard				•			
2P+E 16 A 250 V~ Chinese standard					•		
2P+E 10 A 250 V~ Australian standard						•	
2P+E 15 A 250 V~ Australian standard							•

● Plug standard matches socket outlet; ○ Plug standard matches the socket outlet without earth connection.

## Socket outlets

White

Silver

Possible matches - Foreign standard plugs and socket outlets

SOCKET OUTLET PLUG	Multistandard		American		Euroamerican			American Saudi Arabian			
	14257	14255	14247	14296	14233	14248	14249	20242	20245	20243	20246
S10 Italian standard	●	●			●	●	●				
2P 2,5 A Europlug	●	●			●	●	●				
Spina 2P+E 16 A 250 V~ German standard	○	○			○	○	○				
2P+E 16 A 250 V~ German and French standards					○	○	○				
2P 16 A 250 V~ German and French standards					●	●	●				
2P+E 16 A 250 V~ French standard					○	○	○				
2P+E 15 A 125 V~ American standard				●		●	●				
2P+E 15 A 250 V~ American standard			●								
2P+E 10 A 250 V~ Swiss standard	●	●									
2P+E 5 A 250 V~ English standard	●	●									
2P+E 13 A 250 V~ English standard	●	●									
2P+E 15 A 125 V~ American standard								●	●	●	●
2P 15 A 127 V~ American and Saudi Arabian standards								●	●	●	●
2P+E 10 A 250 V~ Brazilian standard	●	●									
2P+E 10 A 250 V~ Chinese standard	●	●									
2P+E 10 A 250 V~ Australian standard	●	●									

● Plug standard matches socket outlet; ○ Plug standard matches the socket outlet without earth connection.

### SICURY 2P+E interlocked socket outlets with CB and RCBO $I_{\Delta n}$ 10 mA, (120-230 V~ 50/60 Hz)



**14273**  
Bpresa 16 A P17/11  
250 V~, 1P+N C 16  
- 2 modules.  
Depth: 38,7 mm



**14276**  
16 A P30 250 V~,  
1P+N C 16  
- 3 modules.  
Depth: 38,8 mm



**14273.SL**  
Bpresa 16 A P17/11  
250 V~, 1P+N C 16  
- 2 modules.  
Depth: 38,7 mm



**14276.SL**  
16 A P30 250 V~,  
1P+N C 16  
- 3 modules.  
Depth: 38,8 mm



**14283**  
Bpresa 16 A P17/11  
250 V~, 1P+N C 16  
- 3 modules.  
Depth: 38,7 mm



**14286**  
16 A P30 250 V~,  
1P+N C 16 - 4 modules.  
Depth: 38,7 mm



**14283.SL**  
Bpresa 16 A P17/11  
250 V~, 1P+N C 16  
- 3 modules.  
Depth: 38,7 mm



**14286.SL**  
16 A P30 250 V~,  
1P+N C 16 - 4 modules.  
Depth: 38,7 mm

## Socket outlets • Signal reception socket outlets

White

Silver

### Shaver supply units



**14290**  
230 V~ 50/60 Hz, with 20 VA  
isolating transformer, 230 V~ and  
120 V~ outputs - 3 modules

**14290.AB**  
As above,  
antibacterial treatment.  
Depth: 41 mm



**14291\***  
230 V~ 50/60 Hz, with 20 VA  
isolating transformer, 230 V~ and  
120 V~ outputs. Depth: 41 mm



**14290.SL**  
230 V~ 50/60 Hz, with 20 VA  
isolating transformer, 230 V~ and  
120 V~ outputs - 3 modules.  
Depth: 41 mm



**14291.SL\***  
230 V~ 50/60 Hz, with 20 VA  
isolating transformer, 230 V~ and  
120 V~ outputs. Depth: 41 mm

### USB supply unit



**14292**  
5 V 1,5 A supply  
unit, 1 USB,  
120-230 V~  
50/60 Hz.  
Depth: 36 mm



**14295**  
5 V 2,1 A supply unit,  
2 USB ports supply a total  
of 2,1 A, 120-230 V~  
50/60 Hz - 2 modules.  
Depth: 36 mm



**14292.SL**  
5 V 1,5 A supply  
unit, 1 USB,  
120-230 V~  
50/60 Hz.  
Depth: 36 mm



**14295.SL**  
5 V 2,1 A supply unit,  
2 USB ports supply a total  
of 2,1 A, 120-230 V~  
50/60 Hz - 2 modules.  
Depth: 36 mm

### Special socket outlets



**14330**  
2P 6 A 24 V  
(SELV), for  
01620 plug  
**14330.AB**  
As above,  
antibacterial  
treatment.  
Depth: 24 mm



**14331**  
2P 6 A 24 V  
(SELV), for  
01616/01617  
plugs.  
Depth: 24 mm



**14332**  
2P 6 A 24 V  
(SELV).  
Depth: 23 mm



**14333**  
5P DIN 41524  
socket  
connector.  
Depth: 10 mm



**14345**  
USB outlet,  
screw  
terminals.  
Depth: 30,9 mm



**14330.SL**  
2P 6 A 24 V  
(SELV), for  
01620 plug.  
Depth: 24 mm



**14331.SL**  
2P 6 A 24 V  
(SELV), for  
01616/01617  
plugs.  
Depth: 24 mm



**14332.SL**  
2P 6 A 24 V  
(SELV).  
Depth: 23 mm



**14333.SL**  
5P DIN 41524  
socket  
connector.  
Depth: 10 mm



**14345.SL**  
USB outlet,  
screw  
terminals.  
Depth: 30,9 mm



**14335**  
3 RCA outlets,  
screw  
terminals.  
Depth:  
23,4 mm



**14347**  
S-Video,  
4-pin.  
Depth:  
15,5 mm



**14346**  
HDMI outlet,  
Keystone  
connection.  
Depth: 36,4 mm



**14346.H**  
HDMI outlet,  
Keystone connection,  
with 90° cable.  
Depth: 29,4 mm



**14335.SL**  
3 RCA outlets,  
screw  
terminals.  
Depth:  
23,4 mm



**14347.SL**  
S-Video,  
4-pin.  
Depth:  
15,5 mm



**14346.SL**  
HDMI outlet,  
Keystone  
connection.  
Depth: 36,4 mm



**14346.H.SL**  
HDMI outlet,  
Keystone connection,  
with 90° cable.  
Depth: 29,4 mm

## Signal reception socket outlets

White

Silver

### Special socket outlets



**14583**  
Spring  
connector for  
speaker.  
Depth:  
18,4 mm



**14348**  
VGA,  
15-pin.  
Depth: 10 mm



**14361**  
BNC, RG58,  
RG59/62, RX93  
soldering.  
Depth: 10 mm



**14365**  
9-contact, SUB D,  
soldering - 2 modules.  
Depth: 10 mm



**14583.SL**  
Spring  
connector for  
speaker.  
Depth:  
18,4 mm



**14348.SL**  
VGA,  
15-pin.  
Depth: 10 mm



**14361.SL**  
BNC, RG58,  
RG59/62, RX93  
soldering.  
Depth: 10 mm



**14365.SL**  
9-contact, SUB D,  
soldering - 2 modules.  
Depth: 10 mm

### Phone socket outlets



**14320**  
RJ11,  
6-position  
4-contact (6/4)  
**14320.AB**  
As above,  
antibacterial  
treatment.  
Depth:  
32,4 mm



**14321**  
RJ12,  
6-position  
6-contact (6/6).  
Depth:  
32,6 mm



**14324**  
Israeli stan-  
dard, screw  
terminals.  
Depth:  
32,4 mm



**14327**  
8-contact,  
French standard  
- 2 modules.  
Depth: 21 mm



**14320.SL**  
RJ11,  
6-position  
4-contact (6/4).  
Depth:  
32,4 mm



**14321.SL**  
RJ12,  
6-position  
6-contact (6/6).  
Depth:  
32,6 mm



**14324.SL**  
Israeli stan-  
dard, screw  
terminals.  
Depth:  
32,4 mm



**14327.SL**  
8-contact,  
French standard  
- 2 modules.  
Depth: 21 mm



**14322**  
RJ11,  
6-position  
4-contact (6/4)  
+ cover.  
Depth:  
32,4 mm



**14323**  
RJ12,  
6-position  
6-contact (6/6)  
+ cover.  
Depth:  
32,4 mm



**14325<sup>7</sup>**  
BT, MASTER  
+ cover.  
Depth:  
32,4 mm



**14326<sup>7</sup>**  
BT, SLAVE  
+ cover.  
Depth:  
32,4 mm



**14322.SL**  
RJ11,  
6-position  
4-contact (6/4)  
+ cover.  
Depth:  
32,4 mm



**14323.SL**  
RJ12,  
6-position  
6-contact (6/6)  
+ cover.  
Depth:  
32,4 mm



**14325.SL<sup>7</sup>**  
BT, MASTER  
+ cover.  
Depth:  
32,4 mm



**14326.SL<sup>7</sup>**  
BT, SLAVE  
+ cover.  
Depth:  
32,4 mm

### Coaxial TV-RD-SAT 5-2400 MHz socket outlets (output male and female)



**14300.AB.01**  
Single  
connection 1 dB,  
antibacterial  
treatment.  
Depth: 22,6 mm



**14300.01**  
Single  
connection  
1 dB.  
Depth: 22,6 mm



**14300.10**  
Through-line  
10 dB.  
Depth:  
22,4 mm



**14300.01.SL**  
Single  
connection  
1 dB.  
Depth:  
22,6 mm



**14300.10.SL**  
Through-line  
10 dB.  
Depth:  
22,4 mm

### Coaxial TV-RD-SAT 5-2400 MHz socket outlets, demix (2 outputs: male and F-type female)



**14302.01**  
Single connection  
1 dB - 2 modules.  
Depth: 22,4 mm



**14302.10**  
Through-line 10 dB  
- 2 modules.  
Depth: 22,4 mm



**14302.01.SL**  
Single connection  
1 dB - 2 modules.  
Depth: 22,4 mm



**14302.10.SL**  
Through-line 10 dB  
- 2 modules.  
Depth: 22,4 mm



## Signal reception socket outlets

White

Silver

### Coaxial TV-FM-SAT 5-2400 MHz socket outlets (3 outputs: male and female + F-type)



**14303**  
Single connection  
1 dB - 2 modules.  
Depth: 20,5 mm



**14303.SL**  
Single connection  
1 dB - 2 modules.  
Depth: 20,5 mm

### Coaxial F-type socket outlets



**14318**  
With F-type female  
connector.  
Depth: 10 mm



**14318.SL**  
With F-type female  
connector.  
Depth: 10 mm

### Coaxial TV 40-862 MHz socket outlets (1 output: female)



**\*14313**  
Single  
connection.  
Depth:  
28 mm



**\*14314**  
Through-line  
20 dB.  
Depth:  
27,5 mm



**\*14313.SL**  
Single  
connection.  
Depth:  
28 mm



**\*14314.SL**  
Through-line  
20 dB.  
Depth:  
27,5 mm

### Adaptor for TV-RD-SAT socket outlets



**14319**  
For 2 or 3 outputs  
- 2 modules



**14319.SL**  
For 2 or 3 outputs  
- 2 modules

### Terminal resistors and coaxial TV-RD-SAT 2400 MHz connectors



**16330**  
Z 75 Ω, for  
frequencies up  
to 2400 MHz



**01644**  
Male,  
axial cable entry



**01645**  
Female,  
axial cable entry



**01634**  
Male,  
90°-cable entry



**01635**  
Female,  
90°-cable entry



**01654**  
Male, F-type,  
for RG59  
cable

### Wi-Fi access point



**▲14195**  
54 Mb/s with 2 LAN 10-100 Mb/s ports,  
ON/OFF inputs for remote control,  
230 V~ 50/60 Hz - 2 modules.  
Depth: 41 mm



**▲14195.SL**  
54 Mb/s with 2 LAN 10-100 Mb/s ports,  
ON/OFF inputs for remote control,  
230 V~ 50/60 Hz - 2 modules.  
Depth: 41 mm

## Signal reception socket outlets

### White

### Silver

#### RJ45 data ports



**14338.8**  
Netsafe,  
Cat. 5e,  
UTP.  
Depth:  
22,6 mm



**14339.4**  
Netsafe,  
Cat. 5e,  
UTP 110.  
Depth:  
23,7 mm



**14339.5**  
Netsafe,  
Cat. 5e,  
FTP 110.  
Depth:  
36,5 mm



**14339.6**  
Netsafe,  
Cat. 6,  
UTP 110.  
Depth:  
24 mm



**14342.AB**  
8-position,  
8-contact (8/8)  
antibacterial  
treatment.  
Depth: 32,6 mm



**14338.8.SL**  
Netsafe,  
Cat. 5e,  
UTP.  
Depth:  
22,6 mm



**14339.4.SL**  
Netsafe,  
Cat. 5e,  
UTP 110.  
Depth:  
23,7 mm



**14339.5.SL**  
Netsafe,  
Cat. 5e,  
FTP 110.  
Depth:  
36,5 mm



**14339.6.SL**  
Netsafe,  
Cat. 6,  
FTP 110.  
Depth:  
24 mm



**14340.1**  
Panduit,  
Cat. 5e,  
UTP.  
Depth:  
27,4 mm



**14340.2**  
Panduit,  
Cat. 5e,  
FTP.  
Depth:  
28 mm



**14337.6**  
Cat. 6, UTP,  
shuttered.  
Depth:  
25,1 mm



**14339.11**  
Netsafe,  
Cat. 5e,  
UTP.  
Depth:  
29,3 mm



**14340.1.SL**  
Panduit,  
Cat. 5e,  
UTP.  
Depth:  
27,4 mm



**14340.2.SL**  
Panduit,  
Cat. 5e,  
FTP.  
Depth:  
28 mm



**14337.6.SL**  
Cat. 6, UTP,  
shuttered.  
Depth:  
25,1 mm



**14339.11.SL**  
Netsafe,  
Cat. 5e,  
UTP.  
Depth:  
29,3 mm



**14339.13**  
Netsafe,  
Cat. 6,  
UTP.  
**14339.AB.13**  
As above,  
antibacterial  
treatment.  
Depth:  
29,3 mm



**14339.14**  
Netsafe,  
Cat. 6,  
FTP.  
**14339.AB.14**  
As above,  
antibacterial  
treatment.  
Depth:  
29,3 mm



**14339.15**  
Netsafe,  
Cat. 6A,  
UTP.  
Depth:  
29,3 mm



**14339.16**  
Netsafe,  
Cat. 6A,  
FTP.  
Depth:  
29,3 mm



**14339.13.SL**  
Netsafe,  
Cat. 6,  
UTP.  
Depth:  
29,3 mm



**14339.14.SL**  
Netsafe,  
Cat. 6,  
FTP.  
Depth:  
29,3 mm



**14339.15.SL**  
Netsafe,  
Cat. 6A,  
UTP.  
Depth:  
29,3 mm



**14339.16.SL**  
Netsafe,  
Cat. 6A,  
FTP.  
Depth:  
29,3 mm

#### Adapters for data ports



**▲14337.C**  
RJ45 Keystone  
+ cover.  
Depth:  
10 mm



**14338.C**  
RJ45 Cat. 5/6  
AMP, Lucent T.  
Depth:  
10 mm



**14340.C**  
For MINI-COM  
Panduit.  
Depth:  
10 mm



**14341.C**  
For Cat. 5e and  
6 Slim of Infra+,  
Merlin Gerin.  
Depth: 10 mm



**14343.K**  
Slanting adaptor  
for RJ45  
Keystone.  
Depth: 10 mm



**▲14337.C.SL**  
RJ45 Keystone  
+ cover.  
Depth:  
10 mm



**14338.C.SL**  
RJ45 Cat. 5/6  
AMP, Lucent T.  
Depth:  
10 mm



**14340.C.SL**  
For MINI-COM  
Panduit.  
Depth:  
10 mm



**14341.C.SL**  
For Cat. 5e and  
6 Slim of Infra+,  
Merlin Gerin.  
Depth: 10 mm



**14343.K.SL**  
Slanting adaptor  
for RJ45  
Keystone.  
Depth: 10 mm

#### Sockets for fibre optic cable



**14350.SC**  
Monomode  
9/125 µm,  
with SC/  
APC simplex  
adaptor.  
Depth:  
19,4 mm



**14350.LC**  
Monomode  
9/125 µm,  
with LC  
duplex  
adaptor.  
Depth:  
19,6 mm



**14351.SC**  
Multimode  
50/125 µm,  
with SC  
simplex  
adaptor.  
Depth:  
19,4 mm



**14351.LC**  
Multimode  
50/125 µm,  
with LC  
duplex  
adaptor.  
Depth:  
19,6 mm



**14350.SC.SL**  
Monomode  
9/125 µm,  
with SC/  
APC simplex  
adaptor.  
Depth:  
19,4 mm



**14350.LC.SL**  
Monomode  
9/125 µm,  
with LC  
duplex  
adaptor.  
Depth:  
19,6 mm



**14351.SC.SL**  
Multimode  
50/125 µm,  
with SC  
simplex  
adaptor.  
Depth:  
19,4 mm



**14351.LC.SL**  
Multimode  
50/125 µm,  
with LC  
duplex  
adaptor.  
Depth:  
19,6 mm

### White

### Silver

#### Electromechanical bells



**14370**  
12 V~ (SELV)  
50/60 Hz.  
Depth:  
36 mm



**14372**  
120 V~  
50/60 Hz.  
Depth:  
36 mm



**14373**  
230 V~  
50/60 Hz.  
Depth:  
36 mm



**14370.SL**  
12 V~ (SELV)  
50/60 Hz.  
Depth:  
36 mm



**14372.SL**  
120 V~  
50/60 Hz.  
Depth:  
36 mm



**14373.SL**  
230 V~  
50/60 Hz.  
Depth:  
36 mm

#### Electronic bells



**14380**  
3-sound sequence,  
supply voltage 12 V~ and  
12 Vdc (SELV) - 2 modules.  
Depth: 36 mm



**14380.SL**  
3-sound sequence,  
supply voltage 12 V~ and  
12 Vdc (SELV) - 2 modules.  
Depth: 36 mm

#### Buzzers



**14375**  
12 V~ (SELV)  
50/60 Hz.  
Depth:  
36 mm



**14377**  
120 V~  
50/60 Hz.  
Depth:  
36 mm



**14378**  
230 V~  
50/60 Hz.  
Depth:  
36 mm



**14375.SL**  
12 V~ (SELV)  
50/60 Hz.  
Depth:  
36 mm



**14377.SL**  
120 V~  
50/60 Hz.  
Depth:  
36 mm



**14378.SL**  
230 V~  
50/60 Hz.  
Depth:  
36 mm

#### Luminous indicator units (for signalling unit°)



**14386.B**  
White  
diffuser.  
Depth:  
22 mm



**14386.B.SL**  
White  
diffuser.  
Depth:  
22 mm

#### Double indicator units (for 2 signalling units°)



**14388**  
Neutral  
diffusers.  
Depth:  
22 mm



**14388.SL**  
Neutral  
diffusers.  
Depth:  
22 mm

## Signalling

### White

### Silver

#### Prismatic indicator units - 2 modules (for 14770, 14771, 14776 and 14777 lamps - not supplied)



**14387.B**  
White diffuser.  
Depth: 24 mm



**14387.R**  
Red diffuser.  
Depth: 24 mm



**14387.V**  
Green diffuser.  
Depth: 24 mm



**14387.B.SL**  
White diffuser.  
Depth: 24 mm



**14387.R.SL**  
Red diffuser.  
Depth: 24 mm



**14387.V.SL**  
Green diffuser.  
Depth: 24 mm

#### Signalling unit for cabin condition



**02685**  
4 signalling indicator: IN, Do Not Disturb, OUT, waitress symbol, white - 2 modules. Depth: 22 mm

#### Step marker lamps



**14390**  
Adjustable beam, for 14770, 14771, 14776 and 14777 lamps (not supplied) - 2 modules. Depth: 34 mm

#### Step marker lamps (with high-efficiency LED)



**14389**  
230 V~ 50/60 Hz  
- 2 modules.  
Depth: 36 mm



**14381**  
230 V~ 50/60 Hz  
**14381.012**  
12 V~ 50/60 Hz  
or 12 Vdc (SELV).  
Depth: 36 mm



**14389.SL**  
230 V~ 50/60 Hz  
- 2 modules.  
Depth: 36 mm



**14381.SL**  
230 V~ 50/60 Hz  
**14381.012.SL**  
12 V~ 50/60 Hz  
or 12 Vdc (SELV).  
Depth: 36 mm

#### Lighting fittings



**14383**  
With high-efficiency LED,  
120-230 V~ 50/60 Hz  
- 3 modules.  
Depth: 36 mm



**14383.SL**  
With high-efficiency LED,  
120-230 V~ 50/60 Hz  
- 3 modules.  
Depth: 36 mm



**02670.1**  
With high-efficiency LED, 120-230 V~ 50/60 Hz  
and built-in 6/7-module frame.  
Depth: 43 mm

## Signalling • Protection

White

Silver

### TORCIA, electronic hand-lamps (with automatic emergency device)



**14395**  
With high-efficiency LED,  
230 V~ 50/60 Hz - 2 modules.  
Depth: 39,5 mm



**14395.SL**  
With high-efficiency LED,  
230 V~ 50/60 Hz - 2 modules.  
Depth: 39,5 mm

### Emergency lighting fittings (with automatic emergency device)



**14382**  
With high-efficiency LED,  
230 V~ 50/60 Hz.  
Depth: 36 mm



**14384**  
With high-efficiency LED,  
120-230 V~ 50/60 Hz  
- 3 modules.  
Depth: 36 mm



**14382.SL**  
With high-efficiency LED,  
230 V~ 50/60 Hz.  
Depth: 36 mm



**14384.SL**  
With high-efficiency LED,  
120-230 V~ 50/60 Hz  
- 3 modules.  
Depth: 36 mm

### Emergency lighting fittings (with automatic emergency device)



**02660.1**  
With high-efficiency LED, supply voltage 230 V~ 50/60 Hz,  
rechargeable Ni-Cd battery, built-in mounting frame for  
7-module flush mounting boxes. Depth: 43 mm



**14394**  
230 V~ 50/60 Hz, Ni-Cd battery, with FD  
4W G5 lamp and built-in 7-module frame.  
Depth: 43 mm



**02662**  
LED, controllable,  
230 V~ 50 Hz - 3 modules  
**02662.120**  
As above, 120 V~.  
Depth: 39 mm



**02663**  
LED RGB, controllable,  
230 V~ 50 Hz - 3 modules  
**02663.120**  
As above, 120 V~.  
Depth: 39 mm

### Rechargeable batteries



**00908**  
3 x Ni-MH 1,2 V  
800 mAh,  
HR03 (AAA)



**00910**  
Ni-MH 4,8 V 80 mAh  
battery, spare part for  
TORCIA



**00911.1**  
Rechargeable Ni-Cd 2,4 V  
1,3 Ah battery, spare part for  
emergency lighting fittings  
(14393 and 14394)



**00913**  
Ni-Cd 4,8 V 800 mAh spare  
rechargeable battery for  
02660.1

### Protection devices



**14416**  
1P 16 A 250 V~  
fuse carrier.  
Depth: 28 mm



**14418**  
SCUDO, transient  
voltage suppressor.  
Depth: 34,3 mm



**14416.SL**  
1P 16 A 250 V~  
fuse carrier.  
Depth: 28 mm



**14418.SL**  
SCUDO, transient  
voltage suppressor.  
Depth: 34,3 mm

## Protection • Detection

### White

### Silver

#### 1P circuit breakers (120-230 V~ 50/60 Hz)



**14404.06**  
C 6, breaking  
capacity 1500 A.  
Depth: 38 mm



**14404.10**  
C 10, breaking  
capacity 1500 A.  
Depth: 38 mm



**14404.16**  
C 16, breaking  
capacity 1500 A.  
Depth: 38 mm



**14404.06.SL**  
C 6, breaking  
capacity 1500 A.  
Depth: 38 mm



**14404.10.SL**  
C 10, breaking  
capacity 1500 A.  
Depth: 38 mm



**14404.16.SL**  
C 16, breaking  
capacity 1500 A.  
Depth: 38 mm

#### 1P+N circuit breakers (120-230 V~ 50/60 Hz)



**14405.06**  
C 6, breaking  
capacity 1500 A.  
Depth: 38 mm



**14405.10**  
C 10, breaking  
capacity 3000 A.  
Depth: 38 mm



**14405.16**  
C 16, breaking  
capacity 3000 A.  
Depth: 38 mm



**14405.06.SL**  
C 6, breaking  
capacity 1500 A.  
Depth: 38 mm



**14405.10.SL**  
C 10, breaking  
capacity 3000 A.  
Depth: 38 mm



**14405.16.SL**  
C 16, breaking  
capacity 3000 A.  
Depth: 38 mm

#### 1P+N residual current breakers with overcurrent protection (RCBO) (120-230 V~ 50/60 Hz )



**14411.06**  
C 6,  $I_{\Delta n}$  10 mA  
breaking capacity  
1500 A - 2 modules.  
Depth: 38 mm



**14411.10**  
C 10,  $I_{\Delta n}$  10 mA  
breaking capacity  
3000 A - 2 modules.  
Depth: 38 mm



**14411.06.SL**  
C 6,  $I_{\Delta n}$  10 mA  
breaking capacity  
1500 A - 2 modules.  
Depth: 38 mm



**14411.10.SL**  
C 10,  $I_{\Delta n}$  10 mA  
breaking capacity  
3000 A - 2 modules.  
Depth: 38 mm



**14411.16**  
C 16,  $I_{\Delta n}$  10 mA  
breaking capacity  
3000 A - 2 modules.  
Depth: 38 mm



**14411.16.6**  
C 16,  $I_{\Delta n}$  6 mA  
breaking capacity  
3000 A - 2 modules.  
Depth: 38 mm



**14411.16.SL**  
C 16,  $I_{\Delta n}$  10 mA  
breaking capacity  
3000 A - 2 modules.  
Depth: 38 mm



**14411.16.6.SL**  
C 16,  $I_{\Delta n}$  6 mA  
breaking capacity  
3000 A - 2 modules.  
Depth: 38 mm

#### Detectors (230 V~ 50/60 Hz)



**14420**  
Gas Stop Metano, methane  
gas detector, solenoid valve  
control - 3 modules.  
Depth: 36 mm



**14421**  
Gas Stop GPL, LPG gas  
detector, solenoid valve  
control - 3 modules.  
Depth: 36 mm



**14420.SL**  
Gas Stop Metano, methane  
gas detector, solenoid valve  
control - 3 modules.  
Depth: 36 mm



**14421.SL**  
Gas Stop GPL, LPG  
detector, solenoid valve  
control - 3 modules.  
Depth: 36 mm



**01899**  
Gas test cylinder for testing Gas  
Stop Metano and GPL detectors



### White

### Silver

#### Electronic thermostats (heating and air-conditioning)



**14440**

6(2) A 230 V~ change-over relay output - 2 modules.  
Depth: 36 mm



**02950.B**

Touch screen thermostat for ON/OFF and PID temperature control, 1 input for temperature sensor, 1 multi-function input, 5(2) A 230 V~ change-over relay output - 2 modules.  
Depth: 38,5 mm



**14440.SL**

6(2) A 230 V~ change-over relay output - 2 modules.  
Depth: 36 mm



**02950.BN**

Touch screen thermostat for ON/OFF and PID temperature control, 1 input for temperature sensor, 1 multi-function input, 5(2) A 230 V~ change-over relay output - 2 modules.  
Depth: 38,5 mm

#### Electronic timer-thermostats (heating and air-conditioning, 120-230 V~ 50/60 Hz)



**02955.B**

Touch screen timer-thermostat for ON/OFF and PID temperature control, 1 input for temperature sensor, 1 multi-function input, 1 RJ9 input for energy meter (02960), 5(2) A 230 V~ change-over relay output - 3 modules.  
Depth: 35,3 mm



**14445**

6(2) A 230 V~ change-over relay output, 120-230 V~ 50/60 Hz - 2 modules.  
Depth: 36 mm



**14446**

5(2) A 250 V~ change-over relay output, AA LR6 1,5 V battery (supplied) - 3 modules.  
Depth: 42 mm



**02955.BN**

Touch screen timer-thermostat for ON/OFF and PID temperature control, 1 input for temperature sensor, 1 multi-function input, 1 RJ9 input for energy meter (02960), 5(2) A 230 V~ change-over relay output - 3 modules.  
Depth: 35,3 mm



**14445.SL**

6(2) A 230 V~ change-over relay output, 120-230 V~ 50/60 Hz - 2 modules.  
Depth: 36 mm



**14446.SL**

5(2) A 250 V~ change-over relay output, AA LR6 1,5 V battery (supplied) - 3 modules.  
Depth: 42 mm

#### Electronic sensors



**14432**

Electronic temperature sensor.  
Depth: 23,4 mm



**14433**

Electronic active humidity sensor, 1 output 0-10 V or 4-20 mA, power supply 12/24V, - 2 modules.  
Depth: 36 mm



**14432.SL**

Electronic temperature sensor.  
Depth: 23,4 mm



**14433.SL**

Electronic active humidity sensor, 1 output 0-10 V or 4-20 mA, power supply 12/24V, - 2 modules.  
Depth: 36 mm

#### Switches for fan-coil regulation



**14095**

Slide, 1P 6(2) A 250 V~, 4-position.  
Depth: 39 mm



**14095.SL**

Slide, 1P 6(2) A 250 V~, 4-position.  
Depth: 39 mm

#### Power meter



**02960**

Power meter, 3 inputs for sensor 01457, 50 W-10 kW detectable power, for DIN (60715 TH35) rail installation 1x17,5 mm. Supplied with 01457

#### Wired temperature sensor



**02965.1**

Wired temperature sensor, NTC 10 kΩ, cable length 3 m

## Comfort • Stand alone solutions

White

Silver

### Clocks (120-230 V~ 50/60 Hz)



**14448**  
24h/7day timer-switch,  
1-canal, 8 A 230 V~  
change-over relay  
output - 2 modules.  
Depth: 36 mm



**14449**  
Electronic alarm  
clock - 2 modules.  
Depth: 36 mm



**14448.SL**  
24h/7day timer-switch,  
1-canal, 8 A 230 V~  
change-over relay  
output - 2 modules.  
Depth: 36 mm



**14449.SL**  
Electronic alarm  
clock - 2 modules.  
Depth: 36 mm

### Wi-Fi access point



**▲14195**  
54 Mb/s with 2 LAN 10-100 Mb/s ports,  
ON/OFF inputs for remote control,  
230 V~ 50/60 Hz - 2 modules.  
Depth: 41 mm



**▲14195.SL**  
54 Mb/s with 2 LAN 10-100 Mb/s ports,  
ON/OFF inputs for remote control,  
230 V~ 50/60 Hz - 2 modules.  
Depth: 41 mm

### Sound system



**21588.B**  
Passive speaker, 8  $\Omega$  10 W,  
with built-in 8-module frame.  
Depth: 48 mm



**20587.B**  
Passive speaker, 8  $\Omega$  3 W  
- 3 modules.  
Depth: 40 mm



**21588.N**  
Passive speaker, 8  $\Omega$  10 W,  
with built-in 8-module frame.  
Depth: 48 mm



**20587.N**  
Passive speaker, 8  $\Omega$  3 W  
- 3 modules.  
Depth: 40 mm



**▲14590**  
4+4 W stereo amplifier, 2 outputs for 8  $\Omega$   
sound diffusers with built-in *Bluetooth*<sup>®</sup>  
*wireless technology* receiver, 1 LINE IN,  
supply voltage 12 Vdc - 2 modules.  
Depth: 36 mm



**▲14590.SL**  
4+4 W stereo amplifier, 2 outputs for 8  $\Omega$   
sound diffusers with built-in *Bluetooth*<sup>®</sup>  
*wireless technology* receiver, 1 LINE IN,  
supply voltage 12 Vdc - 2 modules.  
Depth: 36 mm



**01831**  
Supply unit 12 Vdc 1250 mA output,  
100-240 V~ 50/60 Hz,  
1,5 x 17,5 mm modules

## Stand alone solutions

White

Silver

### Radiofrequency kits



#### ▲ 0K03906.02

Kit Friends of Hue. Contains:

- 1 4-button RF device 03906
- 1 mounting frame 20507.B
- 2 buttons 14506, white
- 1 2-module cover plate 14642.01, white
- 1 2-central-module cover plate 14652.01, white



### Stand-alone radio devices



#### ▲ 03955

4-button flat device with RF transmission, 868.3 MHz, **EnOcean**® standard, to be completed with buttons 14506... - 2 modules



#### 01796.1

EnOcean® multifunction actuator, NO 8 A 230 V~ relay output, supply voltage 230 V~ 50/60 Hz



#### ▲ 03925

4-button flat device with RF transmission, 2.4 GHz, **Bluetooth**® Low Energy wireless technology, to be completed with buttons 14506... - 2 modules



#### 03905

4-button flat device with RF transmission, 2.4 GHz, **ZigBee Green Power** standard, to be completed with buttons 14506... - 2 modules



#### ■ 03906

4-button flat device with RF transmission, 2.4 GHz, **ZigBee Green Power** and **Friends of Hue** standard, to be completed with buttons 14506... - 2 modules



#### 20507.B

Frame for RF devices surface mounting, white



#### 20507

Frame for RF devices surface mounting, grey



#### 14506

Pair of 1-module buttons for RF devices, customizable



#### 14506.2

2-module button for RF devices, customizable



#### 14506.SL

Pair of 1-module buttons for RF devices, customizable



#### 14506.2.SL

2-module button for RF devices, customizable

## Stand alone solutions

White

Silver

### Access control system



**14461**  
Smart card reader/programmer,  
12-24 V~ 50/60 Hz/12-24 Vdc  
(SELV) - 3 modules.  
Depth: 36 mm



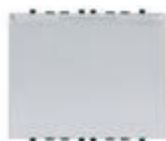
**14461.SL**  
Smart card reader/programmer,  
12-24 V~ 50/60 Hz/12-24 Vdc  
(SELV) - 3 modules.  
Depth: 36 mm



**14463**  
Electronic switch, vertical  
pocket, 120-230 V~  
50/60 Hz - 2 modules.  
Depth: 20,5 mm



**14465**  
Electronic switch, vertical  
pocket, 230 V~ 50/60 Hz,  
24 V~/24 Vdc (SELV) - 3 modules.  
Depth: 36 mm



**14463.SL**  
Electronic switch, vertical  
pocket, 120-230 V~  
50/60 Hz - 2 modules.  
Depth: 20,5 mm



**14465.SL**  
Electronic switch, vertical  
pocket, 230 V~ 50/60 Hz,  
24 V~/24 Vdc (SELV) - 3 modules.  
Depth: 36 mm



**14468**  
NFC/RFID electronic reader,  
suitable for **AGB Electronic  
Solutions** for hotel, vertical  
pocket, 120-230 V~  
50/60 Hz - 3 modules.  
Depth: 29,5 mm



**14468.1**  
NFC/RFID electronic reader,  
suitable for **CISA Electronic  
Solutions** for hotel, vertical  
pocket, 120-230 V~  
50/60 Hz - 3 modules.  
Depth: 30,5 mm



**14468.SL**  
NFC/RFID electronic reader,  
suitable for **AGB Electronic  
Solutions** for hotel, vertical  
pocket, 120-230 V~  
50/60 Hz - 3 modules.  
Depth: 29,5 mm



**14468.1.SL**  
NFC/RFID electronic reader,  
suitable for **CISA Electronic  
Solutions** for hotel, vertical  
pocket, 120-230 V~  
50/60 Hz - 3 modules.  
Depth: 30,5 mm



**16452**  
Programmable smart card  
**16452.H**  
As above, customizable



**16452.S**  
ISO-card (badge)

## Stand alone solutions

White

Silver

### Bus access control system



**14470**  
Transponder card  
and key reader  
- 2 modules.  
Depth: 25,5 mm



**14471**  
Smart card reader  
and programmer  
- 3 modules.  
Depth: 36 mm



**14472**  
Actuator with 3 A  
30 V change-over relay  
output - 2 modules.  
Depth: 25,5 mm



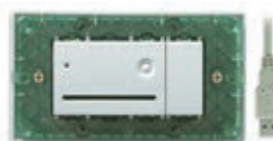
**14470.SL**  
Transponder card  
and key reader  
- 2 modules.  
Depth: 25,5 mm



**14471.SL**  
Smart card reader  
and programmer  
- 3 modules.  
Depth: 36 mm



**14472.SL**  
Actuator with 3 A  
30 V change-over relay  
output - 2 modules.  
Depth: 25,5 mm



**14473**  
Smart card programmer in table  
mounting box - 4 modules



**14473.SL**  
Smart card programmer in table  
mounting box - 4 modules



**01816**  
Transponder card  
**01816.H**  
As above, customizable



**01815**  
Transponder key



**16452**  
Programmable smart card  
**16452.H**  
As above, customizable



**16474**  
Smart card for serial  
connection of reader/  
programmer



**01400**  
Supply unit, 29 Vdc  
400 mA output,  
230 V~ 50/60 Hz,  
2 x 17,5 mm modules



**01401**  
Supply unit, 29 Vdc  
1280 mA output,  
120-230 V~ 50/60 Hz,  
8 x 17,5 mm modules

### Video door entry system



**21554.B**  
4,3" Full Flat, for Due Fili Plus video door  
system and control, temperature sensor  
input, with built-in 8-module mounting  
frame. Depth: 46,7 mm



**21554.BN**  
4,3" Full Flat, for Due Fili Plus video door  
system and control, temperature sensor  
input, with built-in 8-module mounting  
frame. Depth: 46,7 mm



**01963**  
Due Fili Plus video door  
entry system module



**14557**  
Speakerphone for Due Fili  
system - 3 modules.  
Depth: 36 mm



**14577**  
Call button for Due Fili  
system - 3 modules.  
Depth: 36 mm



**14557.SL**  
Speakerphone for Due Fili  
system - 3 modules.  
Depth: 36 mm



**14577.SL**  
Call button for Due Fili  
system - 3 modules.  
Depth: 36 mm



**14560**  
Inner color  
video camera.  
Depth: 36 mm



**14565**  
Inner color video  
camera and built-in  
microphone  
- 2 modules.  
Depth: 25,5 mm



**14570**  
Inner light,  
with LED.  
Depth:  
36 mm



**14560.SL**  
Inner color  
video camera.  
Depth: 36 mm



**14565.SL**  
Inner color video  
camera and built-in  
microphone  
- 2 modules.  
Depth: 25,5 mm



**14570.SL**  
Inner light,  
with LED.  
Depth:  
36 mm

## Stand alone solutions

White

Silver

### By-alarm: burglar alarm system



**01700**  
Control panel, 230 V~ 50 Hz,  
8 local inputs expandable to 24,  
surface mounting

**01700.DE**  
As above,  
in German language

**01700.120**  
As above, 120 V~ 60 Hz



**01703**  
Control panel, 230 V~ 50 Hz,  
8 local inputs expandable to 64,  
surface mounting

**01703.DE**  
As above,  
in German language

**01703.120**  
As above, 120 V~ 60 Hz



**01705**  
LED keypad with display,  
12 Vdc, surface mounting

**01705.DE**  
As above,  
in German language



**01715**  
Siren for outdoor use

**01716**  
Dummy siren for  
outdoor use



**01717**  
Additional power supply unit,  
230 V~ 50/60 Hz 1,5 A,  
surface mounting

**01717.120**  
As above, 120 V~



**01704**  
8-input expansion  
module



**01709**  
4-input expansion  
module



**01710**  
4-output expansion  
module



**01711**  
Isolated interface  
for Bus signal  
regeneration



**01713.EN**  
Voice synthesis  
module for control  
panel, in English



**01707**  
GSM Dual Band  
high-gain aerial



**01708**  
PSTN communicator  
for control panel



**01706**  
GSM Dual Band GSM/GPRS 900/1800 MHz  
transmitter/receiver module



**01712**  
Interface for Ethernet network  
(LAN) and By-me home auto-  
mation system (via Web server  
01945, 01946), remote and local  
supervision/control over IP



**01714**  
Tear-proof box for expansion  
modules, surface mounting



**01725**  
Configuration cables  
and interfaces



**01736**  
Extension cable for 01706  
GSM Dual Band communi-  
cator aerial, 10 m long



**14478**  
Activator/  
partialiser.  
Depth:  
40,4 mm



**14479**  
IR and microwaves  
presence detector  
- 2 modules.  
Depth: 25,5 mm



**14496**  
Indoor siren  
- 3 modules.  
Depth: 36 mm



**14478.SL**  
Activator/  
partialiser.  
Depth:  
40,4 mm



**14479.SL**  
IR and microwaves  
presence detector  
- 2 modules.  
Depth: 25,5 mm



**14496.SL**  
Indoor siren  
- 3 modules.  
Depth: 36 mm



**01718.G**  
Transponder key,  
green



**01718.Y**  
Transponder key,  
yellow



## Stand alone solutions

White

Silver

### By-alarm: burglar alarm system



**01720**  
Passive infrared and microwave dual technology detector, PET immune, surface mounting



**01721**  
Passive infrared and microwave dual technology detector, anti-masking and anti-crawl, surface mounting



**01723**  
Dual technology curtain detector, IP54 for outdoor use for entrances and windows, surface mounting



**01820**  
Flush mounting magnetic contact



**01722**  
Dual technology curtain detector, for entrances and windows, surface mounting



**01724**  
Water detector for protection against flooding, floor mounting



**01821**  
Metal flush mounting magnetic contact



**01822**  
Visible surface magnetic contact



**01823**  
Magnetic contact in metal enclosure for visual installation



**01825**  
Electromechanical cordoperated contact for rolling shutters protection



**01826**  
Electromechanical inertial contact for windows and doors protection



**01732.E**  
By-alarm system cable, 2x0,22 mm², with LSZH sheath, CPR Eca class, suitable for I category cables (U0 = 400 V), white - 100 m



**01733.E**  
By-alarm system cable, 2x0,50 mm² + 2x0,22 mm², with LSZH sheath, CPR Eca class, suitable for I category cables (U0 = 400 V), white - 100 m



**01734.E**  
By-alarm system cable, 2x0,50 mm² + 4x0,22 mm², with LSZH sheath, CPR Eca class, suitable for I category cables (U0 = 400 V), white - 100 m



**01735.E**  
By-alarm system cable, 2x0,50 mm² + 6x0,22 mm², with LSZH sheath, CPR Eca class, suitable for I category cables (U0 = 400 V), white - 100 m

### Radiofrequency devices



**01727**  
Detector with magnetic contact for doors and windows



**01728**  
Infrared detector



**01731**  
Double technology tent detector, IP54, for outdoor, passages and frames



**01729**  
Two-way 868 MHz radiofrequency interface



**01730**  
Two-way 868 MHz radio frequency remote control

White

Silver

### By-me: supervising



**21554.B**  
4,3" Full Flat, for Due Fili Plus video door system and control, temperature sensor input, with built-in 8-module mounting frame. Depth: 46,7 mm



**21554.BN**  
4,3" Full Flat, for Due Fili Plus video door system and control, temperature sensor input, with built-in 8-module mounting frame. Depth: 46,7 mm



**01963**  
Due Fili Plus video door entry system module



**21511.1.B**  
4,3" Full Flat, for control, temperature sensor input, with built-in 8-module mounting frame. Depth: 39,9 mm



**21512.1.B**  
For control, temperature sensor input - 3 modules. Depth: 37 mm



**21511.1.BN**  
4,3" Full Flat, for control, temperature sensor input, with built-in 8-module mounting frame. Depth: 39,9 mm



**21512.1.BN**  
For control, temperature sensor input - 3 modules. Depth: 37 mm



**21509.B**  
For control and configuration, touch display, temperature sensor input, with V51923 frame for DIN (60715 TH35) rail installation - 3 modules. Supplied with RJ45 socket connector and V51921 frame. Depth: 37 mm



**V51921**



**V51923**



**21509.N**  
For control and configuration, touch display, temperature sensor input, with V51923 frame for DIN (60715 TH35) rail installation - 3 modules. Supplied with RJ45 socket connector and V51921 frame. Depth: 37 mm



**V51921**



**V51923**



App By-phone\*\*

**01942**  
GSM phone dial, for direct connection to Bus 12-24 V~ 50/60 Hz or 12-30 Vdc (SELV), 6 x 17,5 mm modules



App By-web\*\*

**01945**  
Web server for local and remote control of the By-me system via IP, 8 x 17,5 mm modules



App By-web\*\*

**01946**  
Web server Light for local and remote control of the By-me system via IP, manages up to 64 devices, 8 x 17,5 mm modules



**01993**  
Hardware interface for By-me system programming by Bus with RJ11 socket. It is necessary EasyTool Professional software

White

Silver

### By-me: supervising



**01468**  
Logic unit for logic, mathematical, timing and messaging functions, 1 x 17,5 mm modules



**01400**  
Supply unit, 29 Vdc 400 mA output, 230 V~ 50/60 Hz, 2 x 17,5 mm modules



**01401**  
Supply unit, 29 Vdc 1280 mA output, 120-230 V~ 50/60 Hz, 8 x 17,5 mm modules



**01830**  
Supply unit 12 Vdc output, 120-230 V~ 50/60 Hz, 4 x 17,5 mm modules



**01831**  
Supply unit 12 Vdc 1250 mA output, 100-240 V~ 50/60 Hz, 1,5 x 17,5 mm modules



**01845.1**  
Line coupler, 2 x 17,5 mm modules



**14580**  
Supply unit, 32 Vdc 100 mA output, 110-230 V~ 50/60 Hz. Depth: 39 mm



**14580.SL**  
Supply unit, 32 Vdc 100 mA output, 110-230 V~ 50/60 Hz. Depth: 39 mm



**14329**  
Special jack for Bus, screw terminals. Depth: 32,6 mm



**14329.SL**  
Special jack for Bus, screw terminals. Depth: 32,6 mm



**01840.E**  
Bus system cable, 2x0,50 mm<sup>2</sup>, with LSZH sheath, CPR Eca class, suitable for I category cables (U0 = 400 V), white - 100 m



**01841.E**  
Bus system cable, 2x0,50 mm<sup>2</sup>, shielded, with LSZH sheath, CPR Eca class, suitable for I category cables (U0 = 400 V), white - 100 m



**▲01840.C**  
Bus system cable, 2x0,50 mm<sup>2</sup>, with LSZH sheath, CPR Cca s1b d1 a1 class, suitable for I category cables (U0 = 400 V), yellow - 100 m



**01839**  
Removable 2 screw terminals, for Bus system

## Home&Building automation

White

Silver

### By-me: control and functions



**▲01480**  
4-button - 2 modules  
**▲01480.TR**  
As above,  
tropicalized.  
Depth: 20 mm



**▲01481**  
4-button + NO 16 A  
120-240 V~ 50/60 Hz  
relay output  
- 2 modules  
Depth: 37 mm



**▲01482**  
4-button + actuator for  
laths orientation, cos $\phi$  0,6  
2 A 120-240 V~ 50/60 Hz  
change-over relay output  
- 2 modules  
Depth: 37 mm



**▲01485**  
6-button - 3 modules  
**▲01485.TR**  
As above,  
tropicalized.  
Depth: 20 mm



**▲01486**  
6-button + NO 16 A  
120-240 V~ 50/60 Hz  
relay output  
- 3 modules  
Depth: 37 mm



**▲01487**  
6-button + actuator for  
laths orientation, cos $\phi$  0,6  
2 A 120-240 V~ 50/60 Hz  
change-over relay output  
- 3 modules  
Depth: 37 mm

### 2 interchangeable half-buttons - 1 and 2 modules



**▲14751**  
Without symbol,  
customizable



**▲14751.0**  
Fixed,  
without symbol



**▲14751.1**  
ON/OFF  
symbols



**▲14751.2**  
Arrows  
symbols



**▲14751.3**  
Regulation  
symbols



**▲14751.SL**  
Without symbol,  
customizable



**▲14751.0.SL**  
Fixed,  
without symbol



**▲14751.1.SL**  
ON/OFF  
symbols



**▲14751.2.SL**  
Arrows  
symbols



**▲14751.3.SL**  
Regulation  
symbols



**▲14752**  
Without symbol,  
customizable



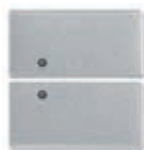
**▲14752.1**  
ON/OFF  
symbols



**▲14752.2**  
Arrows  
symbols



**▲14752.3**  
Regulation  
symbols



**▲14752.SL**  
Without symbol,  
customizable



**▲14752.1.SL**  
ON/OFF  
symbols



**▲14752.2.SL**  
Arrows  
symbols



**▲14752.3.SL**  
Regulation  
symbols



**14529**  
2 rocker push buttons +  
SLAVE-dimmer actuator  
- 2 modules.  
Depth: 37 mm



**14529.120**  
2 rocker push buttons +  
120 V~ SLAVE-dimmer  
actuator - 2 modules.  
Depth: 37 mm



**14549**  
3 rocker push buttons +  
40-300 W / 40-200 VA  
MASTER dimmer actuator  
- 3 modules.  
Depth: 36 mm

### 2 interchangeable half-buttons - 1 and 2 modules



**Δ 14531**  
No symbol, for  
simple/rocker  
push buttons



**Δ 14531.10**  
General symbol,  
for simple push  
buttons



**Δ 14531.20**  
ON/OFF symbols,  
for rocker push  
buttons



**Δ 14531.21**  
Arrows symbol,  
for rocker push  
buttons



**Δ 14531.SL**  
No symbol, for  
simple/rocker  
push buttons



**Δ 14531.10.SL**  
General symbol,  
for simple push  
buttons



**Δ 14531.20.SL**  
ON/OFF symbols,  
for rocker push  
buttons



**Δ 14531.21.SL**  
Arrows symbol,  
for rocker push  
buttons

## Home&Building automation

White

Silver

### By-me: control and functions

2 interchangeable half-buttons - 1 and 2 modules



**Δ 14531.25**  
Universal regulation symbols, for rocker push buttons



**Δ 14531.1T**  
1 name-plate, for simple push buttons



**Δ 14531.2T**  
2 name-plates, for rocker push buttons



**Δ 14531.S**  
No symbol, for rocker push buttons



**Δ 14531.25.SL**  
Universal regulation symbols, for rocker push buttons



**Δ 14531.1T.SL**  
1 name-plate, for simple push buttons



**Δ 14531.2T.SL**  
2 name-plates, for rocker push buttons



**Δ 14531.S.SL**  
No symbol, for rocker push buttons



**Δ 14532**  
No symbol, for simple/rocker push buttons



**Δ 14532.10**  
General symbol, for simple push buttons



**Δ 14532.20**  
ON and OFF symbols, for rocker push buttons



**Δ 14532.21**  
Arrows symbol, for rocker push buttons



**Δ 14532.SL**  
No symbol, for simple/rocker push buttons



**Δ 14532.10.SL**  
General symbol, for simple push buttons



**Δ 14532.20.SL**  
ON and OFF symbols, for rocker push buttons



**Δ 14532.21.SL**  
Arrows symbol, for rocker push buttons



**Δ 14532.25**  
Universal regulation symbols, for rocker push buttons



**Δ 14532.1T**  
1 name-plate, for simple push buttons



**Δ 14532.S**  
No symbol, for rocker push buttons



**Δ 14532.22.SL**  
Regulation symbols, for rocker push buttons



**Δ 14532.25.SL**  
Universal regulation symbols, for rocker push buttons



**Δ 14532.1T.SL**  
1 name-plate, for simple push buttons



**Δ 14532.S.SL**  
No symbol, for rocker push buttons

### Detectors



**14516**  
Remote control receiver  
- 2 modules.  
Depth: 25,5 mm



**14516.SL**  
Remote control receiver  
- 2 modules.  
Depth: 25,5 mm



**01849**  
IR remote control, 14-channel



**01828**  
Mini IR presence detector, for surface mounting



**14485**  
IR presence detector  
- 2 modules.  
Depth: 25,5 mm



**00802**  
Orientable support  
- 2 modules



**00805**  
Adaptor for orientable support flush mounting - 2 modules.  
Depth: 36,5 mm



**00800**  
Frame for orientable support surface mounting



**14485.SL**  
IR presence detector  
- 2 modules.  
Depth: 25,5 mm



**00802.20**  
Orientable support  
- 2 modules



**00805.20**  
Adaptor for orientable support flush mounting - 2 modules.  
Depth: 36,5 mm



**00800.20**  
Frame for orientable support surface mounting

## Home&Building automation

White

Silver

### By-me: control and functions

#### Interfaces, actuators and dimmer



**14518**  
Interface for traditional switches.  
Depth: 39 mm



**14515**  
Interface for traditional switches 230 V~/12-24 Vac/dc - 2 modules.  
Depth: 36 mm



**14584.1**  
Interface for By-me devices and IR receiver, with 3 m of cable.  
Depth: 40 mm



**14518.SL**  
Interface for traditional switches.  
Depth: 39 mm



**14515.SL**  
Interface for traditional switches 230 V~/12-24 Vac/dc - 2 modules.  
Depth: 36 mm



**14584.1.SL**  
Interface for By-me devices and IR receiver, with 3 m of cable.  
Depth: 40 mm



**14534**  
Actuator 6 A 120-230 V~ change-over relay output.  
Depth: 39 mm



**14535**  
Actuator 16 A 120-230 V~ change-over relay output - 2 modules.  
Depth: 36 mm



**14534.SL**  
Actuator 6 A 120-230 V~ change-over relay output.  
Depth: 39 mm



**14535.SL**  
Actuator 16 A 120-230 V~ change-over relay output - 2 modules.  
Depth: 36 mm



**01475**  
3 programmable digital inputs module for contacts without potential, 3 LED control outputs, By-me home automation, for flush mounting (backside)



**01476**  
2 programmable digital inputs module for contacts without potential, 1 relay output for roller blind laths positioning, relay for cosφ 0.6 2 A 120-230 V~ motor, 2 LED control outputs, By-me home automation, for flush mounting (backside)



**01477**  
2 programmable digital inputs module for contacts without potential, 1 NO 10 A 120-230 V~ 50/60 Hz light control relay output, 2 LED control outputs, By-me home automation, for flush mounting (backside)



**01470**  
Pre-program 9-input and 8-output module, NO 16 A 120-230 V~ 50/60 Hz relay outputs, light control, roller blind laths positioning and local control functions, 6 x 17,5 mm modules



**01471**  
4 16 A 120-230 V~ change-over relay outputs actuator, programmable for light control, roller blind laths positioning, fan-coil and local control, 4 x 17,5 mm modules



**01850.2**  
Actuator with 16 A 120-230 V~ change-over relay output + push button for manual operating, 2 x 17,5 mm modules



**01856**  
Actuator 0-10 Vdc for ballast control, 120-230 V~ changeover relay output, 3 x 17,5 mm modules



**\*01861**  
MASTER dimmer, 40-1000 W/VA, 230 V~, MOSFET+TRIAC, 4 x 17,5 mm modules



**\*01862**  
SLAVE dimmer, 40-1000 W/VA, 230 V~, MOSFET+TRIAC, 4 x 17,5 mm modules



**01863**  
MASTER dimmer, 40-800 W/VA 50 Hz, 40-700 W/VA 60 Hz, 230 V~, MOSFET+TRIAC, 4 x 17,5 mm modules



**01864**  
SLAVE dimmer, 40-800 W/VA 50 Hz, 40-700 W/VA 60 Hz, 230 V~, MOSFET+TRIAC, 4 x 17,5 mm modules



**\*01865**  
MASTER dimmer, 40-700 VA, 230 V~ 50/60 Hz, MOSFET, 4 x 17,5 mm modules



**\*01866**  
SLAVE dimmer, 40-700 VA, 230 V~ 50/60 Hz, MOSFET, 4 x 17,5 mm modules



**01867**  
MASTER dimmer, 40-500 VA 50 Hz, 40-400 VA 60 Hz, 230 V~, MOSFET, 4 x 17,5 mm modules



**01868**  
SLAVE dimmer, 40-500 VA 50 Hz, 40-400 VA 60 Hz, 230 V~, MOSFET, 4 x 17,5 mm modules



## Home&Building automation

White

Silver

### By-me: control and functions

Interfaces, actuators and dimmer



**01870**  
MASTER dimmer,  
40-500 W, 40-300 VA,  
CFL 10-200 W, LED  
3-200 W, 230 V~,  
4 x 17,5 mm modules

**01870.120**  
As above, 120 V~



**01871**  
SLAVE dimmer,  
40-500 W, 40-300 VA,  
CFL 10-200 W, LED  
3-200 W, 230 V~,  
4 x 17,5 mm modules

**01871.120**  
As above, 120 V~



**01975**  
Actuator with 1-10 Vdc  
30 mA output for LED  
control, 120-230 V~  
2,5 A change-over  
relay output, 120-230 V~  
50/60 Hz,  
3 x 17,5 mm modules



**01976**  
Actuator with 1-10 Vdc  
30 mA output for LED  
control, 12-24 V 10 A  
relay output, 12-24 V~  
50/60 Hz or 12-24 Vdc,  
3 x 17,5 mm modules



**01466**  
Actuator with 4  
(0)4-20 mA or 0-10 V  
proportional analogue  
outputs with max  
scalable voltage output,  
120-230 V~ 50/60 Hz,  
4 x 17,5 mm modules



**01467**  
Device with 3 analogue  
signal inputs, 1 0-10 V  
or 4-20 mA input,  
1 NTC sensor input,  
1 brightness sensor  
01530 input,  
2 x 17,5 mm modules

### Electronic supply units



**01874**  
230 V~ 50 Hz, for controllable  
LED lamps, 12-24 Vdc

**01874.120**  
As above, 120 V~



**01875**  
230 V~ 50 Hz, for controllable  
LED lamps, 350/500/700 mA

**01875.120**  
As above, 120 V~



**01876**  
230 V~ 50 Hz, for controllable  
LED RGB lamps, 12-24 Vdc

**01876.120**  
As above, 120 V~



**01877**  
230 V~ 50 Hz, for controllable  
LED RGB lamps, 12-24 Vdc

**01877.120**  
As above, 120 V~

### Radiofrequency automation



**▲ 03955**  
4-button flat device with RF transmission,  
868.3 MHz, **EnOcean**® standard,  
to be completed with buttons 14506...  
- 2 modules



**01796.1**  
EnOcean® multifunction actuator,  
NO 8 A 230 V~ relay output,  
supply voltage 230 V~ 50/60 Hz



**20507.B**  
Frame for RF devices surface  
mounting, white



**20507**  
Frame for RF devices surface  
mounting, grey



**14506**  
Pair of 1-module  
buttons for RF  
devices,  
customizable



**14506.2**  
2-module  
button for RF  
devices, customizable



**14508**  
Bus-RF interface  
- 2 modules.  
Depth: 25,5 mm



**14506.SL**  
Pair of 1-module  
buttons for RF  
devices,  
customizable



**14506.2.SL**  
2-module  
button for RF  
devices, customizable



**14508.SL**  
Bus-RF interface  
- 2 modules.  
Depth: 25,5 mm

## Home&Building automation

White

Silver

### By-me: sound system

#### Devices



**14583**  
Spring  
connector  
for speaker.  
Depth:  
18,4 mm



**14582**  
Audio input with 2 RCA  
connectors, automatic  
volume adjustment,  
incorporated line  
terminator - 2 modules.  
Depth: 36 mm



**14583.SL**  
Spring  
connector  
for speaker.  
Depth:  
18,4 mm



**14582.SL**  
Audio input with 2 RCA  
connectors, automatic  
volume adjustment,  
incorporated line  
terminator - 2 modules.  
Depth: 36 mm



**▲14589**  
Bluetooth® interface,  
storing up to  
8 mobile devices  
- 2 modules.  
Depth: 37 mm



**▲14590**  
4+4 W stereo amplifier,  
2 outputs for 8 Ω sound  
diffusers with built-in *Bluetooth*®  
*wireless technology* receiver,  
1 LINE IN, supply voltage  
12 Vdc - 2 modules.  
Depth: 36 mm



**▲14589.SL**  
Bluetooth® interface,  
storing up to  
8 mobile devices  
- 2 modules.  
Depth: 37 mm



**▲14590.SL**  
4+4 W stereo amplifier,  
2 outputs for 8 Ω sound  
diffusers with built-in *Bluetooth*®  
*wireless technology* receiver,  
1 LINE IN, supply voltage  
12 Vdc - 2 modules.  
Depth: 36 mm



**14586**  
Microphone for selective or general  
call, voice activation function for  
monitoring children - 2 modules.  
Depth: 36 mm



**14586.SL**  
Microphone for selective or general  
call, voice activation function for  
monitoring children - 2 modules.  
Depth: 36 mm



**▲01483**  
4-button, 1 LINE OUT,  
to be completed with  
1- or 2- module inter-  
changeable buttons  
- 2 modules.  
Depth: 37 mm



**▲01484**  
4-button with 1+1 W RMS  
amplifier, 2 outputs for  
8 Ω sound system diffusers,  
to be completed with 1- or  
2- module interchangeable  
buttons - 2 modules.  
Depth: 37 mm

#### 2 interchangeable half-buttons - 1 module



**▲14751.4**  
Volume  
I and O



**▲14751.5**  
Track / source  
change



**▲14751.4.SL**  
Volume  
I and O



**▲14751.5.SL**  
Track / source  
change

White

Silver

### By-me: sound system

#### Diffusers and system components



**21588.B**  
Passive speaker, 8  $\Omega$  10 W,  
with built-in 8-module frame.  
Depth: 48 mm



**20587.B**  
Passive speaker, 8  $\Omega$  3 W  
- 3 modules.  
Depth: 40 mm



**21588.N**  
Passive speaker, 8  $\Omega$  10 W,  
with built-in 8-module frame.  
Depth: 48 mm



**20587.N**  
Passive speaker, 8  $\Omega$  3 W  
- 3 modules.  
Depth: 40 mm



**01906**  
IP55 passive speaker, 8  $\Omega$  30 W,  
for hollow walls and false ceiling  
installation.  
Depth: 70 mm



**01907**  
Passive speaker, 8  $\Omega$  30 W,  
for hollow walls and false  
ceiling installation.  
Depth: 68 mm



**01908**  
Passive speaker, 8  $\Omega$   
30 W, orientable, for  
surface mounting



**01903**  
Branch shunt for By-me  
devices, flush mounting  
(retrofit)



**01904**  
Branch shunt for sound  
system devices, flush  
mounting (retrofit)



**01900**  
FM radio tuner with  
RDS, coaxial con-ector  
for external FM antenna,  
built-in line terminator,  
2 x 17,5 mm modules



**01901**  
Stereo amplifier, 2 outputs  
for sound diffusers 8 ohm  
10+10 W, power supply  
110-230 V~ 50/60 Hz,  
built-in line terminator,  
6 x 17,5 mm modules



**01902**  
Bus line/sound diffusion  
decoupler for By-me  
power supply, built-in  
line terminator,  
2 x 17,5 mm modules



**01831**  
Supply unit 12 Vdc  
1250 mA output,  
100-240 V~ 50/60 Hz,  
1,5 x 17,5 mm  
modules



**01840.E.B**  
Cable for sound system,  
2x0,50 mm<sup>2</sup>, with LSZH sheath,  
CPR Eca class, suitable for  
I category cables, (U0 = 400 V),  
blue - 100 m



**01839**  
Removable 2 screw terminals,  
for Bus system

## Home&Building automation

White

Silver

### By-me: temperature control



**02951.B**

Touch screen thermostat, ON/OFF, PWM and PID control, for 2- and 4-pipe systems, 3-speed/proportional fan coil control, 1 input for NTC sensor - 2 modules.  
Depth: 38,5 mm



**02951.BN**

Touch screen thermostat, ON/OFF, PWM and PID control, for 2- and 4-pipe systems, 3-speed/proportional fan coil control, 1 input for NTC sensor - 2 modules.  
Depth: 38,5 mm



**14432**

Electronic temperature sensor.  
Depth: 23,4 mm



**14433**

Electronic humidity sensor, 1 0-10 V or 4-20 mA output - 2 modules.  
Depth: 36 mm



**14538**

Temperature probe for ON/OFF, PWM, PID and dew point control, for 2- and 4-pipe systems, 3-speed/proportional fan coil control, 1 input for NTC sensor.  
Depth: 39 mm



**14432.SL**

Electronic temperature sensor.  
Depth: 23,4 mm



**14433.SL**

Electronic humidity sensor, 1 0-10 V or 4-20 mA output - 2 modules.  
Depth: 36 mm



**14538.SL**

Temperature probe for ON/OFF, PWM, PID and dew point control, for 2- and 4-pipe systems, 3-speed/proportional fan coil control, 1 input for NTC sensor.  
Depth: 39 mm



**02965.1**

Wired temperature sensor, NTC 10 k $\Omega$ , cable length 3 m



**01546**

Weather station, KNX standard, power supply 12-32 Vdc or 12-24 Vac



**01465**

Climate control device for heating systems, power supply 120-230 V~ 50/60 Hz, 3 inputs for PT100, PT1000 and NTC probes, 1 mixer valve control output, 1 0-10 V or (0) 4-20 mA output, 1 8 A 230 V~ change-over relay output, 6 x 17,5 mm modules

White

Silver

### By-me: energy management



**14537**

Actuator with relay output 16 A 120-230 V~ 50/60 Hz with incorporated current sensor - 2 modules.  
Depth: 36 mm



**14537.SL**

Actuator with relay output 16 A 120-230 V~ 50/60 Hz with incorporated current sensor - 2 modules.  
Depth: 36 mm



**01451**

Energy meter with incorporated current sensor, measurable powers up to 3680 W, flush mounting (retrofit)



**01452**

Pulse counter interface for measuring data from devices fitted with pulse outputs, such as electricity, water and gas meters, flush mounting (retrofit)



**01457**

Toroidal current sensor for load control and power measurement, hole diameter 7,5 mm, cable length 40 cm



**01458**

Toroidal current sensor for load control and power measurement, hole diameter 19 mm, cable length 40 cm



**01459**

Toroidal differential current sensor for power measurement, hole diameter 9 mm, cable length 40 cm



**01450**

Energy meter, 3 x inputs toroidal sensor, 25 W-100 kW, 120-230 V 50/60 Hz, 230/400 V 50/60 Hz, 1 x 17,5 mm modules.  
Supplied with toroidal current sensor 01457



**01455**

Load control module, 3 x inputs toroidal sensor, 25 W-100 kW, 120-230 V 50/60 Hz, 230/400 V 50/60 Hz, 1 x 17,5 mm modules.  
Supplied with toroidal current sensor 01457



**01456**

Actuator, 16 A 120-230 V~ 50/60 Hz relay output for toroidal differential current sensor, 1 x 17,5 mm modules

## Home&Building automation

White

Silver

### By-me: video door entry



**14557**  
Speakerphone for Due Fili system - 3 modules.  
Depth: 36 mm



**14577**  
Call button for Due Fili system - 3 modules.  
Depth: 36 mm



**14557.SL**  
Speakerphone for Due Fili system - 3 modules.  
Depth: 36 mm



**14577.SL**  
Call button for Due Fili system - 3 modules.  
Depth: 36 mm



**14560**  
Inner color video camera.  
Depth: 36 mm



**14565**  
Inner color video camera and built-in microphone - 2 modules.  
Depth: 25,5 mm



**14570**  
Inner light, with LED.  
Depth: 36 mm



**14560.SL**  
Inner color video camera.  
Depth: 36 mm



**14565.SL**  
Inner color video camera and built-in microphone - 2 modules.  
Depth: 25,5 mm



**14570.SL**  
Inner light, with LED.  
Depth: 36 mm



**732H.E.100**  
Due Fili Plus cable for internal laying, 2x1 mm<sup>2</sup> twisted conductors, PVC sheath, CPR Eca class, operating temperature -25/+70 °C, not suitable for running through underground channels, suitable for I category cables (U0 = 400 V), blue - 100 m bundle

**732H.E.500**  
As above, 500 m bundle



**732I.E.100**  
Due Fili Plus cable for internal/external laying, 2x1 mm<sup>2</sup> twisted conductors, LSZH sheath and insulation, CPR Eca class, operating temperature -25/+70°C, insulation degree 600/1000 V, suitable for laying underground in dry ducting or channels with efficient drainage (max. 24 hrs wet), not suitable for laying directly underground, suitable for I category cables (U0 = 400 V), green - 100 m bundle

**732I.E.500**  
As above, 500 m bundle



**▲732I.C.100**  
Due Fili Plus cable for internal/external laying, 2x1 mm<sup>2</sup> twisted conductors, LSZH sheath and insulation, Cca - s1b, d1, a1 class, operating temperature -25/+70°C, insulation degree 600/1000 V, suitable for laying underground in dry ducting or channels with efficient drainage (max. 24 hrs wet), not suitable for laying directly underground, suitable for I category cables (U0 = 400 V) purple, - 100 m bundle

### By-me: emergency lighting devices



**02660.1**  
With high-efficiency LED, supply voltage 230 V~50/60 Hz, rechargeable Ni-Cd battery, built-in mounting frame for 7-module flush mounting boxes. Depth: 43 mm



**01846**  
Emergency lighting management interface through Bus By-me



**00913**  
Ni-Cd 4,8 V 800 mAh spare rechargeable battery for 02660.1



White

Silver

### Well-contact Plus: supervising



**21848.1.B**  
Color touch screen, 4,3", Full Flat, for the control, 1 temperature sensor input, with built-in mounting frame for installation in 8-module mounting box. Depth: 40 mm



**21849.1.B**  
Full Flat touch screen, for the room control, 1 temperature sensor input - 3 modules. Depth: 37 mm



**21848.1.BN**  
Color touch screen, 4,3", Full Flat, for the control, 1 temperature sensor input, with built-in mounting frame for installation in 8-module mounting box. Depth: 40 mm



**21849.1.BN**  
Full Flat touch screen, for the room control, 1 temperature sensor input - 3 modules. Depth: 37 mm



Software for Well-contact Plus system management

**01589:** Well-contact Suite Light

**01590:** Well-contact Suite Basic

**01591:** Well-contact Suite Top

**01592:** Well-contact Suite Client

**01593:** Well-contact Suite Office

**01594:** Well-contact Suite Client Office

**01595**

Additional software for interfacing with existing management system



**01597**

USB spare key for Well-contact Suite software



**01993**

Hardware interface for Well-contact Plus touch screens. It is necessary touch screen configuration software



**01514**  
Interface with 2 input or output programmable channels for LEDs, KNX standard



**01515**  
Interface with 4 input or output programmable channels for LEDs, KNX standard



**01510**  
4-channel digital input device, programmable for NO, NC and 120-230 V~ contacts, KNX standard, 2 x 17,5 mm modules



**01522**  
Input/output device, 4 NO 16 A 250 V~ relay outputs, 4 inputs for NO contacts, KNX standard, 4 x 17,5 mm modules



**01523**  
Actuator with 4 NO 16 A 250 V~ relay outputs, KNX standard, 4 x 17,5 mm modules



**01524**  
Actuator for 2 roller shutters, 16 A 250 V~ relay outputs, KNX standard, 4 x 17,5 mm modules



**01521**  
Actuator with 12 10 A 250 V~ 50/60 Hz relay outputs for fluorescent lamps, KNX standard, 12 x 17,5 mm modules



**01525**  
Actuator for 8 roller shutters, 6 A 230 V~ 50/60 Hz relay outputs, KNX standard, 8 x 17,5 mm modules



**01535**  
Solenoid valve actuator, 6 230 V~ 0,5 A outputs, local control buttons, KNX standard, 4x17,5 mm modules



**01536**  
Actuator, 4 0-10 V or (I)4-20 mA analog-outputs, KNX standard, 4x17,5 mm modules



**01526**  
Dimmer 230 V~ 50/60 Hz for 2x300 W incandescent lamps, 2x300 VA ferromagnetic transformers, 2x300 VA electronic transformers, KNX standard, 4 x 17,5 mm modules



**01528**  
Dimmer, 2 inputs for 01530, 2 NO 16 A 250 V~ relay outputs, 2 1-10 V outputs, KNX standard, 4 x 17,5 mm modules



**01547.1**  
IP interface, KNX, 2 x 17,5 mm modules



**01542**  
KNX DALI interface, 4 x 17,5 mm modules



**01544**  
KNX DALI gateway, 8-channel for 16 lamps per channel, 6 x 17,5 mm modules



**01540**  
USB interface, KNX B-type, 2 x 17,5 mm modules



**01545**  
Web server for local and remote control of the KNX system, 8 x 17,5 mm modules



White

Silver

### Well-contact Plus: supervising



#### 01500.2

Power supply with Bus 30 Vdc 320 mA output, supply voltage 120-240 V~ 50/60 Hz, with decoupling coil, KNX standard, 4 x 17,5 mm modules



#### 01501.2

Power supply with Bus 30 Vdc 640 mA output, 30 Vdc auxiliary output, supply voltage 120-240 V~ 50/60 Hz, with decoupling coil, KNX standard, 4 x 17,5 mm modules



#### 01831

Power supply unit with 12 Vdc 1250 mA output, supply voltage 100-240 V~ 50/60 Hz, 1,5 x 17,5 mm modules



#### 01504.2

Line coupler, KNX standard, 2 x 17,5 mm modules



#### 16887

Safety transformer, 230/12-24 V~ (SELV), 24 VA, 3 x 17,5 mm modules



#### 01890.E

KNX system cable, 2x2x0,8 mm cable, LSZH sheath, CPR Eca class, suitable for I category cables (U0 = 400 V), green - 100 m



#### 01890.C

KNX system cable, 2x2x0,8 mm cable, LSZH sheath, CPR Cca s1b d1 a1 class, suitable for I category cables (U0 = 400 V), green - 100 m

### Well-contact Plus: control and functions



#### 01580

4-button - 2 modules. Depth: 20 mm



#### 01581

4-button + NO 16 A 120-240 V~ 50/60 Hz relay output - 2 modules. Depth: 37 mm



#### 01582

4-button + actuator for laths orientation,  $\cos\phi$  0,6 2 A 120-240 V~ 50/60 Hz change-over relay output - 2 modules. Depth: 37 mm



#### 01585

6-button - 3 modules. Depth: 20 mm



#### 01586

6-button + NO 16 A 120-240 V~ 50/60 Hz relay output - 3 modules. Depth: 37 mm



#### 01587

6-button + actuator for laths orientation,  $\cos\phi$  0,6 2 A 120-240 V~ 50/60 Hz change-over relay output - 3 modules. Depth: 37 mm

### 2 interchangeable half-buttons - 1 and 2 modules



#### 14751

Without symbol, customizable



#### 14751.0

Fixed, without symbol



#### 14751.1

ON/OFF symbols



#### 14751.2

Arrows symbols



#### 14751.3

Regulation symbols



#### 14751.SL

Without symbol, customizable



#### 14751.0.SL

Fixed, without symbol



#### 14751.1.SL

ON/OFF symbols



#### 14751.2.SL

Arrows symbols



#### 14751.3.SL

Regulation symbols



#### 14752

Without symbol, customizable



#### 14752.1

ON/OFF symbols



#### 14752.2

Arrows symbols



#### 14752.3

Regulation symbols



#### 14752.SL

Without symbol, customizable



#### 14752.1.SL

ON/OFF symbols



#### 14752.2.SL

Arrows symbols



#### 14752.3.SL

Regulation symbols

White

Silver

### Well-contact Plus: temperature control



**02952.B**

Touch screen thermostat for ambient temperature control of 2 independent zones, KNX standard, NO 4 A 24 V~ relay output + 1 temperature sensor (14432 or 02965.1) input + 1 programmable digital input - 2 modules. Depth: 37 mm



**14432**

Electronic temperature sensor. Depth: 23,4 mm



**02952.BN**

Touch screen thermostat for ambient temperature control of 2 independent zones, KNX standard, NO 4 A 24 V~ relay output + 1 temperature sensor (14432 or 02965.1) input + 1 programmable digital input - 2 modules. Depth: 37 mm



**14432.SL**

Electronic temperature sensor. Depth: 23,4 mm



**14850**

Passive infrared presence detector, KNX standard - 2 modules. Depth: 19 mm



**00802**

Orientable support - 2 modules



**00805**

Adaptor for orientable support flush mounting - 2 modules. Depth: 36,5 mm



**00800**

Frame for orientable support surface mounting



**14850.SL**

Passive infrared presence detector, KNX standard - 2 modules. Depth: 19 mm



**00802.20**

Orientable support - 2 modules



**00805.20**

Adaptor for orientable support flush mounting - 2 modules. Depth: 36,5 mm



**00800.20**

Frame for orientable support surface mounting



**02965.1**

Wired temperature sensor, NTC 10 kΩ, cable length 3 m



**01546**

Weather station, KNX standard, power supply 12-32 Vdc or 12-24 Vac



**01527**

IR presence detector, 360° motion range, ON/OFF and adjustment of lighting, heating, air conditioning, ventilation, 1-1000 Lux adjustable brightness range, KNX standard, for ceiling installation. Dimensions: 80x80x45 mm



**01527.S**

Adapter for 01527 detector ceiling installation



**01529.1**

IR presence detector, 360° motion range, for ON/OFF lighting, 1-1000 Lux adjustable brightness range, KNX standard, for ceiling installation. Dimensions: 91x91x45 mm



**01529.1.S**

Adapter for 01529.1 detector ceiling installation



**01530**

Light sensor for dimmer 01528, KNX standard, ceiling installation

WhiteSilver

Well-contact Plus: access control



**14457**  
Transponder card reader for installation outside rooms, KNX standard, 2 NO 4 A 24 V~ relay outputs, 2 inputs, power supply 12-24 V~ 50/60 Hz and 12-24 Vdc (SELV) - 3 modules.  
Supplied without transponder card  
**14457.TR**  
As above, tropicalized.  
Depth: 36 mm



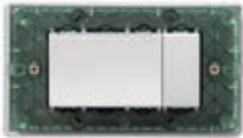
**14453**  
Transponder card reader with vertical pocket for installation inside rooms, KNX standard, 2 NO 4 A 24 V~ relay outputs, 2 inputs, power supply 12-24 V~ 50/60 Hz and 12-24 Vdc (SELV) - 3 modules. Depth: 36 mm



**14457.SL**  
Transponder card reader for installation outside rooms, KNX standard, 2 NO 4 A 24 V~ relay outputs, 2 inputs, power supply 12-24 V~ 50/60 Hz and 12-24 Vdc (SELV) - 3 modules.  
Supplied without transponder card  
**14457.TR.SL**  
As above, tropicalized.  
Depth: 36 mm



**14453.SL**  
Transponder card reader with vertical pocket for installation inside rooms, KNX standard, 2 NO 4 A 24 V~ relay outputs, 2 inputs, power supply 12-24 V~ 50/60 Hz and 12-24 Vdc (SELV) - 3 modules. Depth: 36 mm



**14450**  
Transponder card reader/programmer, in 4-module table mounting box



**14450.SL**  
Transponder card reader/programmer, in 4-module table mounting box



**01598**  
Programmable and customizable transponder card

## Home&Building automation

### Call-way: hospital care system

#### Devices



**02080.AB**  
Communication and call display terminal, antibacterial treatment

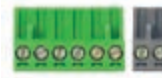


**02081.AB**  
Display module in single-base, antibacterial treatment



**02082.AB**  
Phonic module in single-base, antibacterial treatment

#### Completion devices



**02085**  
Removable spare terminal, 8 screw terminal

#### Completion devices



**02075.AB**  
Backlit tail call lead, 2 light controls, 2 auxiliary service controls, anti-strangle function, anti-bacterial treatment



**14505.AB**  
Relay module with RJ45 socket outlet for tail call lead with 2 lights + 2 AUX, connection with an 8IN/8OUT module or a Call-way display, 4 24 V NO relay outputs, anti-bacterial treatment - 3 modules. Depth: 29,5 mm



**02089.AB**  
Call keypad 2 light controls, anti-strangulation, antibacterial treatment



**02086**  
Simple mini-keyboard



**02087**  
Simple mini-keyboard with 1 light control



**02088**  
Simple mini-keyboard with 2 light controls

#### Display



**02097.1**  
System display, surface mounting



**02098**  
Mounting bracket for display



**02079**  
Ethernet/RS485 interface, 9 x 17,5 mm modules

#### Special switches



**14501.AB**  
Call push button, with red reassurance indicator unit, antibacterial treatment - 2 modules. Depth: 36 mm



**14502**  
Call push button with DIN 7-contact socket outlets - 2 modules. Depth: 37 mm



**14503.AB**  
Cord-operated push button with red reassurance indicator unit, antibacterial treatment - 2 modules. Depth: 36 mm



**14504.AB**  
Cancel call push button, with acoustic signalling and green indicator unit, antibacterial treatment - 2 modules. Depth: 36 mm

#### Prismatic indicator units - 2 modules\*



**14387.B**  
230 V~ 3 W max, white diffuser. Depth: 24 mm



**14387.R**  
230 V~ 3 W max, red diffuser. Depth: 24 mm



**14387.V**  
230 V~ 3 W max, green diffuser. Depth: 24 mm

#### Landing lamp



**02084**  
LED landing lamp, four colours, surface mounting

\* For 14770, 14771, 14776 and 14777 lamps



## Home&Building automation

### Call-way: hospital care system

Accessories and devices for DIN rail (60715 TH35)



**02090.2**  
Power supply unit,  
24 Vdc 5 A, 100-  
240 V~ 50/60 Hz



**02094**  
Line coupler with ethernet and  
sound system management,  
9 x 17,5 mm modules



**02078**  
Phone coupler,  
9 x 17,5 mm modules



**02095**  
Serial interface ESPA 4.4.4,  
9 x 17,5 mm modules



**02096**  
Card with 8 inputs and 8 outputs,  
8 x 17,5 mm modules

### Cable



**03061.E**  
Cat. 5e F/UTP cable, shielded, 4-pair,  
24 AWG, LSZH-sheath, CPR Eca class,  
suitable for I category cables  
(U0 = 400 V), grey - 305 m



**03076.E**  
Cat. 6 F/UTP cable, shielded, 4-pair,  
23 AWG, LSZH sheath, CPR Eca class,  
suitable for I category cables  
(U0 = 400 V), green - 500 m



**03086.E**  
Cat. 6A S/FTP cable, shielded, 4-pair,  
23 AWG, LSZH sheath, CPR Eca class,  
suitable for I category cables  
(U0 = 400 V), orange - 500 m

### Control devices with antibacterial treatment\*\*



**14041.AB**  
Blank module.  
Depth: 10 mm



**14001.AB**  
1P 1-way switch,  
16 AX 250 V~.  
Depth: 24 mm



**14015.AB**  
2P 1-way switch,  
16 AX 250 V~.  
Depth: 24 mm



**14013.AB**  
1P reversing  
switch, 16 AX  
250 V~.  
Depth: 24 mm



**14005.AB**  
1P 2-way switch,  
16 AX 250 V~.  
Depth: 24 mm



**14008.AB**  
1P NO push  
button,  
10 A 250 V~.  
Depth: 24 mm



**14022.AB**  
2-module inter-  
changeable but-  
ton, no symbol



**14052.AB**  
1P special  
switch,  
NO 10 A 250 V~,  
cord-operated.  
Depth: 24 mm



**14136.AB.1**  
MASTER dimmer,  
universal, with  
potentiometer.  
Depth: 40,5 mm

### Socket outlets with antibacterial treatment\*\*



**14203.AB**  
Bpresa SICURY  
2P+E 16 A 250 V~  
socket, Italian  
standard P17/11.  
Depth: 24 mm



**14210.AB**  
SICURY 2P+E  
16 A 250 V~  
universal socket  
- 2 modules.  
Depth: 25 mm



**14208.AB**  
SICURY 2P+E 16 A  
250 V~ socket,  
German standard  
- 2 modules.  
Depth: 28,4 mm



**14212.AB**  
SICURY 2P+E 16 A  
250 V~ socket,  
French standard  
- 2 modules.  
Depth: 25,4 mm



**14203.AB.R**  
Bpresa SICURY  
2P+E 16 A 250 V~  
socket, Italian  
standard P17/11,  
red.  
Depth: 24 mm



**14210.AB.A**  
SICURY 2P+E 16  
A 250 V~ universal  
socket, orange  
- 2 modules.  
Depth: 25 mm



**14210.AB.R**  
SICURY 2P+E 16  
A 250 V~ universal  
socket, red  
- 2 modules.  
Depth: 25 mm



**14210.AB.V**  
SICURY 2P+E 16  
A 250 V~ universal  
socket, green  
- 2 modules.  
Depth: 25 mm



**14290.AB**  
Shaver socket with 20 VA  
isolation transformer, output  
230 V~ and 120 V~  
- 3 modules.  
Depth: 41 mm



**14330.AB**  
2P 6 A 24 V (SELV)  
socket for plug  
01620.  
Depth: 24 mm



**14320.AB**  
RJ11 socket,  
6-position  
4-contact (6/4).  
Depth: 32,6 mm



**14339.AB.13**  
RJ45 socket with  
Netsafe Cat. 6,  
UTP connector.  
Depth: 29,3 mm



**14339.AB.14**  
RJ45 socket with  
Netsafe Cat. 6,  
FTP connector.  
Depth: 29,3 mm



**14342.AB**  
RJ45 socket  
connector,  
8-position,  
8-contact (8/8).  
Depth: 32,6 mm



**14300.AB.01**  
TV-RD-SAT  
5-2400 MHz  
coaxial socket,  
direct 1 dB.  
Depth: 21,6 mm



## Accessories

### LED signalling units



**00935.A:** 12-24 V~ 0,1 W, amber  
**00935.G:** 12-24 V~ 0,1 W, green  
**00935.R:** 12-24 V~ 0,1 W, red  
**00935.B:** 12-24 V~ 0,1 W, blue  
**00935.W:** 12-24 V~ 0,1 W, white

**00936.250.A:** 250 V~ 50/60 Hz 0,35 W, amber  
**00936.250.G:** 250 V~ 50/60 Hz 0,35 W, green  
**00936.250.R:** 250 V~ 50/60 Hz 0,35 W, red  
**00936.250.B:** 250 V~ 50/60 Hz 0,35 W, blue  
**00936.250.W:** 250 V~ 50/60 Hz 0,35 W, white

**00936.120.A:** 120 V~ 50/60 Hz 0,2 W, amber  
**00936.120.G:** 120 V~ 50/60 Hz 0,2 W, green  
**00936.120.R:** 120 V~ 50/60 Hz 0,2 W, red  
**00936.120.B:** 120 V~ 50/60 Hz 0,2 W, blue  
**00936.120.W:** 120 V~ 50/60 Hz 0,2 W, white

### Pre-wired signalling units



**00931**  
 110-250 V~ 0,5 W,  
 amber



**00930**  
 250 V~ 0,3 W, red  
 suitable for British  
 standard socket outlets

### E10 10x28 mm lamps



Neon:  
**14779**  
 230 V~ 0,5 W, red<sup>1</sup>



Incandescent:  
**14771**  
 24 V~ 3 W, white<sup>1</sup>  
**14777**  
 230 V~ 3 W, white<sup>1</sup>

### Transparent cover for mounting frames



**14602.C**  
 For 2-module frame



**21613.C**  
 For 3-module frame



**21618.C**  
 For 8 (4+4)-module frame

### Adaptors for DIN rail (60715 TH35) installation



**V51921**  
 1-module support



**V51922**  
 2-module support



**V51923**  
 3-module support

<sup>1</sup> The indicated colour is that of emitted light

# PLANA

Cover plates



## Metal



70 Metallized bronze



71 Metallized silver



72 Metallized green



73 Metallized blue



74 Pearl nickel

## Natural wood



61 Maple



62 Pear-tree



63 Cherry

## Techno-polymer



01 White



02 Ivory



03 Beige



04 Cream



05 Black



25 Matt gold



31 Ash



32 Fir



33 Makoré

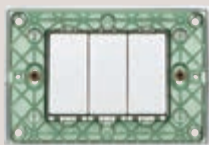
## Reflex



40 Reflex ash



41 Reflex snow



42 Reflex air  
Transparent cover plate



43 Reflex amber



44 Reflex mint



51 Reflex ruby



75.01 Pearl silver



76 Antique brass



81 Brushed aluminum



06 Granite white



20 Matt silver



21 Matt nickel



22 Matt champagne



23 Iridescent brown



24 Polished gold



45 Reflex water



46 Reflex cedar



47 Reflex emerald



48 Reflex orange



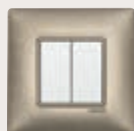
49 Reflex tobacco



50 Reflex sapphire

## British standard cover plates

### Metallized technopolymer



70 Metallized bronze



71 Metallized silver



72 Metallized green



73 Metallized blue

### Technopolymer



01 White



02 Ivory



03 Beige



04 Cream



05 Black



06 Granite white



20 Matt silver



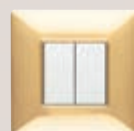
21 Matt nickel



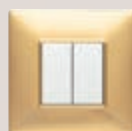
22 Matt champagne



23 Iridescent brown



24 Polished gold



25 Matt gold



31 Ash



32 Fir



33 Makoré

### Reflex



40 Reflex ash



41 Reflex snow



42 Reflex air



43 Reflex amber



44 Reflex mint



45 Reflex water



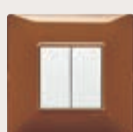
46 Reflex cedar



47 Reflex emerald



48 Reflex orange



49 Reflex tobacco



50 Reflex sapphire



51 Reflex ruby

## German and French standard cover plates

### Metallized technopolymer



26 Metallized bronze



27 Metallized silver

### Technopolymer



01 White



02 Ivory



03 Beige



04 Cream



05 Black



06 Granite white



20 Matt silver



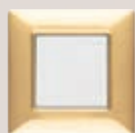
21 Matt nickel



22 Matt champagne



23 Iridescent brown



24 Polished gold



25 Matt gold

### Reflex



40 Reflex ash



41 Reflex snow



42 Reflex air



43 Reflex amber



44 Reflex mint



45 Reflex water



46 Reflex cedar



47 Reflex emerald



48 Reflex orange















































49 Reflex tobacco



50 Reflex sapphire



51 Reflex ruby

		1-module	2-module	2-central-module	3-module	4-module	7-module
							
<b>Metal</b>							
	Metallized bronze	14641.70	14642.70	14652.70	14653.70	14654.70	14657.70
	Metallized silver	14641.71	14642.71	14652.71	14653.71	14654.71	14657.71
	Metallized green	14641.72	14642.72	14652.72	14653.72	14654.72	14657.72
	Metallized blue	14641.73	14642.73	14652.73	14653.73	14654.73	14657.73
	Pearl nickel	14641.74	14642.74	14652.74	14653.74	14654.74	14657.74
	Pearl silver	14641.75.01	14642.75.01	14652.75.01	14653.75.01	14654.75.01	14657.75.01
	Antique brass	-	14642.76	-	14653.76	14654.76	14657.76
	Brushed aluminium	14641.81	14642.81	14652.81	14653.81	14654.81	14657.81
<b>Natural wood</b>							
	Maple	14641.61	14642.61	-	14653.61	14654.61	14657.61
	Pear-tree	14641.62	14642.62	-	14653.62	14654.62	14657.62
	Cherry	14641.63	14642.63	-	14653.63	14654.63	14657.63
<b>Technopolymer</b>							
	White**	14641.01	14642.01-14642.AB.01	14652.01	14653.01-14653.AB.01	14654.01-14654.AB.01	14657.01-14657.AB.01
	Ivory	14641.02	14642.02	14652.02	14653.02	14654.02	14657.02
	Beige	14641.03	14642.03	14652.03	14653.03	14654.03	14657.03
	Cream	14641.04	14642.04	14652.04	14653.04	14654.04	14657.04
	Black	14641.05	14642.05	14652.05	14653.05	14654.05	14657.05
	Granite white	14641.06	14642.06	14652.06	14653.06	14654.06	14657.06
	Matt silver	14641.20	14642.20	14652.20	14653.20	14654.20	14657.20
	Matt nickel	14641.21	14642.21	14652.21	14653.21	14654.21	14657.21
	Matt champagne	14641.22	14642.22	14652.22	14653.22	14654.22	14657.22
	Iridescent brown	14641.23	14642.23	14652.23	14653.23	14654.23	14657.23
	Polished gold	14641.24	14642.24	14652.24	14653.24	14654.24	14657.24
	Matt gold	14641.25	14642.25	14652.25	14653.25	14654.25	14657.25
	Ash	14641.31	14642.31	14652.31	14653.31	14654.31	14657.31
	Fir	14641.32	14642.32	14652.32	14653.32	14654.32	14657.32
	Makorè	14641.33	14642.33	14652.33	14653.33	14654.33	14657.33
<b>Reflex</b>							
	Reflex ash	14641.40	14642.40	14652.40	14653.40	14654.40	14657.40
	Reflex snow	14641.41	14642.41	14652.41	14653.41	14654.41	14657.41
	Reflex air Transparent cover plate	14641.42	14642.42	14652.42	14653.42	14654.42	14657.42
	Reflex amber	14641.43	14642.43	14652.43	14653.43	14654.43	14657.43
	Reflex mint	14641.44	14642.44	14652.44	14653.44	14654.44	14657.44
	Reflex water	14641.45	14642.45	14652.45	14653.45	14654.45	14657.45
	Reflex cedar	14641.46	14642.46	14652.46	14653.46	14654.46	14657.46
	Reflex emerald	14641.47	14642.47	14652.47	14653.47	14654.47	14657.47
	Reflex orange	14641.48	14642.48	14652.48	14653.48	14654.48	14657.48
	Reflex tobacco	14641.49	14642.49	14652.49	14653.49	14654.49	14657.49
	Reflex sapphire	14641.50	14642.50	14652.50	14653.50	14654.50	14657.50
	Reflex ruby	14641.51	14642.51	14652.51	14653.51	14654.51	14657.51



































\*\* .AB: antibacterial treatment



## Cover plates guideline

8-module	6-module	14-module	21-module	Panel mounting 1-module	Panel mounting 2-module
					
14668.70*	-	-	-	-	-
14668.71*	-	-	-	-	-
14668.72*	-	-	-	-	-
14668.73*	-	-	-	-	-
14668.74*	-	-	-	-	-
14668.75.01*	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
14668.01	14659.01	14690.01	14691.01	14666.01	14667.01
14668.02	14659.02	14690.02	14691.02	14666.02	14667.02
14668.03	14659.03	-	-	-	-
14668.04	14659.04	-	-	-	-
14668.05	14659.05	14690.05	14691.05	14666.05	14667.05
14668.06	14659.06	-	-	-	-
14668.20	-	14690.20	14691.20	14666.20	14667.20
14668.21	-	14690.21	14691.21	14666.21	14667.21
14668.22	-	-	-	-	-
14668.23	-	-	-	-	-
14668.24	-	-	-	-	-
14668.25	-	-	-	-	-
14668.31	-	-	-	-	-
14668.32	-	-	-	-	-
14668.33	-	-	-	-	-
14668.40	-	-	-	-	-
14668.41	-	-	-	-	-
14668.42	-	-	-	-	-
14668.43	-	-	-	-	-
14668.44	-	-	-	-	-
14668.45	-	-	-	-	-
14668.46	-	-	-	-	-
14668.47	-	-	-	-	-
14668.48	-	-	-	-	-
14668.49	-	-	-	-	-
14668.50	-	-	-	-	-
14668.51	-	-	-	-	-

## British standard cover plates: guideline

	2-module	3-module/monobloc	5-module/monobloc
			
<b>Metallized technopolymer</b>			
 Metallized bronze	14647.70	14648.70	14649.70
 Metallized silver	14647.71	14648.71	14649.71
 Metallized green	14647.72	14648.72	14649.72
 Metallized blue	14647.73	14648.73	14649.73
<b>Technopolymer</b>			
 White	14647.01	14648.01	14649.01
 Ivory	14647.02	14648.02	14649.02
 Beige	14647.03	14648.03	14649.03
 Cream	14647.04	14648.04	14649.04
 Black	14647.05	14648.05	14649.05
 Granite white	14647.06	14648.06	14649.06
 Matt silver	14647.20	14648.20	14649.20
 Matt nickel	14647.21	14648.21	14649.21
 Matt champagne	14647.22	14648.22	14649.22
 Iridescent brown	14647.23	14648.23	14649.23
 Polished gold	14647.24	14648.24	14649.24
 Matt gold	14647.25	14648.25	14649.25
 Ash	14647.31	14648.31	14649.31
 Fir	14647.32	14648.32	14649.32
 Makoré	14647.33	14648.33	14649.33
<b>Reflex</b>			
 Reflex ash	14647.40	14648.40	14649.40
 Reflex snow	14647.41	14648.41	14649.41
 Reflex air Transparent cover plate	14647.42	14648.42	14649.42
 Reflex amber	14647.43	14648.43	14649.43
 Reflex mint	14647.44	14648.44	14649.44
 Reflex water	14647.45	14648.45	14649.45
 Reflex cedar	14647.46	14648.46	14649.46
 Reflex emerald	14647.47	14648.47	14649.47
 Reflex orange	14647.48	14648.48	14649.48
 Reflex tobacco	14647.49	14648.49	14649.49
 Reflex sapphire	14647.50	14648.50	14649.50
 Reflex ruby	14647.51	14648.51	14649.51

## German and French standard cover plates: guideline













2-module	2+2-module (between centres 71 mm)	2+2+2-module (between centres 71 mm)	2+2+2+2-module (between centres 71 mm)	2+2-module (between centres 57 mm)	2+2+2-module (between centres 57 mm)
----------	---------------------------------------	---	---	---------------------------------------	---















### Metallized technopolymer

	Metallized bronze	14642.26	14643.26	14644.26	14669.26	-	-
	Metallized silver	14642.27	14643.27	14644.27	14669.27	-	-
































### Technopolymer

	White**	14642.01-14642.AB.01	14643.01-14643.AB.01	14644.01-14644.AB.01	14669.01-14669.AB.01	14645.01	14646.01
	Ivory	14642.02	14643.02	14644.02	14669.02	14645.02	14646.02
	Beige	14642.03	14643.03	14644.03	14669.03	14645.03	14646.03
	Cream	14642.04	14643.04	14644.04	14669.04	14645.04	14646.04
	Black	14642.05	14643.05	14644.05	14669.05	14645.05	14646.05
	Granite white	14642.06	14643.06	14644.06	14669.06	14645.06	14646.06
	Matt silver	14642.20	14643.20	14644.20	14669.20	14645.20	14646.20
	Matt nickel	14642.21	14643.21	14644.21	14669.21	14645.21	14646.21
	Matt champagne	14642.22	14643.22	14644.22	14669.22	14645.22	14646.22
	Iridescent brown	14642.23	14643.23	14644.23	14669.23	14645.23	14646.23
	Polished gold	14642.24	14643.24	14644.24	14669.24	14645.24	14646.24
	Matt gold	14642.25	14643.25	14644.25	14669.25	14645.25	14646.25













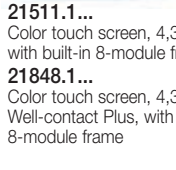






### Reflex

	Reflex ash	14642.40	14643.40	14644.40	14669.40	-	-
	Reflex snow	14642.41	14643.41	14644.41	14669.41	-	-
	Reflex air Transparent cover plate	14642.42	14643.42	14644.42	14669.42	-	-
	Reflex amber	14642.43	14643.43	14644.43	14669.43	-	-
	Reflex mint	14642.44	14643.44	14644.44	14669.44	-	-
	Reflex water	14642.45	14643.45	14644.45	14669.45	-	-
	Reflex cedar	14642.46	14643.46	14644.46	14669.46	-	-
	Reflex emerald	14642.47	14643.47	14644.47	14669.47	-	-
	Reflex orange	14642.48	14643.48	14644.48	14669.48	-	-
	Reflex tobacco	14642.49	14643.49	14644.49	14669.49	-	-
	Reflex sapphire	14642.50	14643.50	14644.50	14669.50	-	-
	Reflex ruby	14642.51	14643.51	14644.51	14669.51	-	-

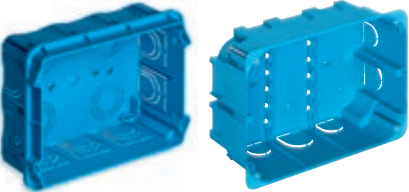













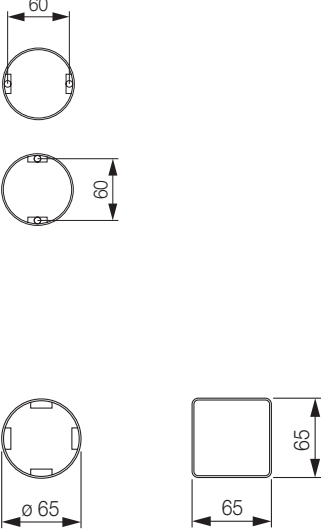






## Types of mounting

Module	Box		Frame	Cover plate*
1 and 2 for ø 60 mm mounting box	<b>Flush mounting</b>  <b>V71001</b> For masonry GW 650 °C, light blue <b>V71001.AU</b> GW 960 °C, black  <b>V71701</b> For hollow walls, for frame without claws, GW 850 °C, light blue	<b>Surface mounting</b>  <b>09971.A</b> 43,5 mm deep, RAL 9001 ivory <b>09971.01:</b> white  <b>09972.01</b> 30 mm deep, white	 <b>14601</b> 1-module, with claws <b>14601.G</b> As above, grey  <b>14600</b> 1-module, without screws <b>14600.G</b> As above, grey  <b>14602</b> 2-module, with claws <b>14602.G</b> As above, grey  <b>14603</b> 2-module, without screws <b>14603.G</b> As above, grey  <b>14604</b> 2-module, with claws  <b>14605</b> 2-module, without screws	 <b>14641...</b> 1-module Dimensions: 80x80x9 mm  <b>14642...</b> 2-module Dimensions: 80x80x9 mm  <b>14642.C.01</b> 2-module, with cover, white Dimensions: 80x80x14 mm
	2 central	<b>Flush mounting</b>  <b>V71001</b> For masonry GW 650 °C, light blue <b>V71001.AU</b> GW 960 °C, black  <b>V71701</b> For hollow walls, for frame without claws, GW 850 °C, light blue  <b>V71303</b> For masonry GW 650 °C, light blue <b>V71303.AU</b> GW 960 °C, black  <b>V71703</b> For hollow walls GW 850 °C, light blue	<b>Surface mounting</b>  <b>09971.A</b> 43,5 mm deep, RAL 9001 ivory <b>09971.01:</b> white  <b>09972.01</b> 30 mm deep, white  <b>09975.A</b> 43,5 mm deep, RAL 9001 ivory <b>09975.01:</b> white	 <b>14602</b> 2-module, with claws <b>14602.G</b> As above, grey  <b>14603</b> 2-module, without screws <b>14603.G</b> As above, grey  <b>14604</b> 2-module, with claws  <b>14605</b> 2-module, without screws  <b>14612</b> 2-central-module, with screws
3		<b>Flush mounting</b>  <b>V71303</b> For masonry GW 650 °C, light blue <b>V71303.AU</b> GW 960 °C, black  <b>V71703</b> For hollow walls GW 850 °C, light blue	<b>Surface mounting</b>  <b>09975.A</b> 43,5 mm deep, RAL 9001 ivory <b>09975.01:</b> white	 <b>14613</b> 3-module, with screws <b>14613.G</b> As above, grey
	 <b>V54303</b> 3-module floor mount turret (to complete with box V54903)  <b>V54903</b> Flush box for floor mount turret (to complete with turret V54303)			

## Types of mounting





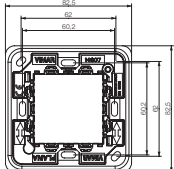






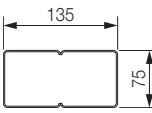

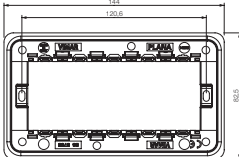



Module	Box	Frame	Cover plate*
4	<p><b>Flush mounting</b></p>  <p><b>V71304</b> For masonry GW 650 °C, light blue <b>V71304.AU</b> GW 960 °C, black</p> <p><b>V71704</b> For hollow walls GW 850 °C, light blue</p> <p><b>Table mounting</b></p>  <p><b>14784</b> 4-module, white <b>14784.SL:</b> Silver</p>	 <p><b>14614</b> 4-module, with screws</p>	 <p><b>14654...</b> 4-module Dimensions.: 142x80x9 mm</p>
7	<p><b>Flush mounting</b></p>  <p><b>V71306</b> For masonry GW 650 °C, light blue <b>V71306.AU</b> GW 960 °C, black</p> <p><b>V71706</b> For hollow walls GW 850 °C, light blue</p> <p><b>Table mounting</b></p>  <p><b>14787</b> 7-module, white <b>14787.SL:</b> Silver</p>	 <p><b>14617</b> 7-module, with screws</p>	 <p><b>14657...</b> 7-module Dimensions: 206x80x9 mm</p>
8 (4+4)	<p><b>Flush mounting</b></p>  <p><b>V71318</b> For masonry GW 650 °C, light blue</p> <p><b>V71718</b> For hollow walls GW 850 °C, light blue</p> <p><b>Table mounting</b></p>  <p><b>14788</b> 8-module, white <b>14788.SL:</b> Silver Dimensions: 142,2x150,3x134 mm</p>	 <p><b>21554...</b> Video touch screen 4,3" Full Flat</p>  <p><b>21511.1...</b> Color touch screen, 4,3", Full Flat, with built-in 8-module frame</p>  <p><b>21848.1...</b> Color touch screen, 4,3", Full Flat Well-contact Plus, with built-in 8-module frame</p>  <p><b>14618</b> 8-module (4+4), with screws</p>	 <p><b>14668...</b> 8-module Dimensions: 142,5x151x9 mm</p>  <p><b>14668...</b> 8-module Dimensions: 142,5x151x9 mm</p>
6 (3+3)	<p><b>Flush mounting</b></p>  <p><b>09996</b> For masonry, GW 650 °C, light blue <b>09996.AU</b> GW 960 °C, black</p>	 <p><b>14619</b> 6-module (3+3) 4x4", with screws</p>	 <p><b>14659...</b> 6-module Dimensions: 120x132x11 mm</p>

## Types of mounting

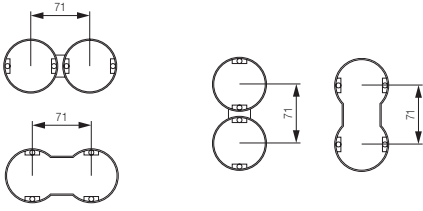
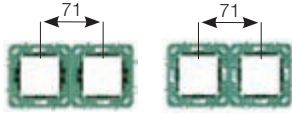
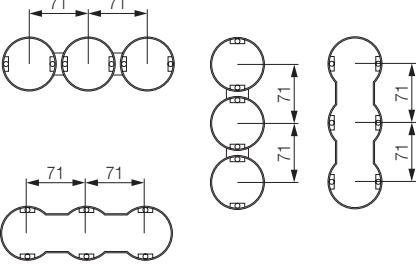
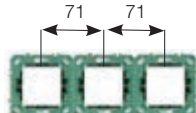
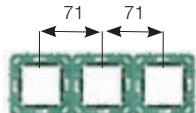
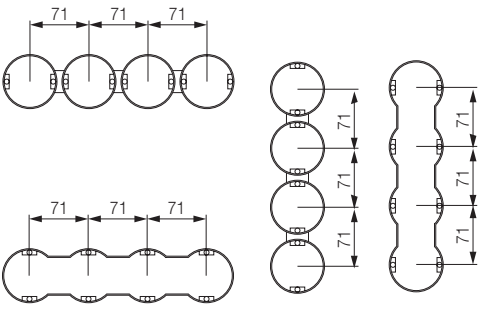
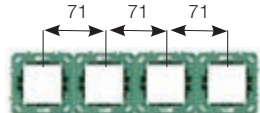
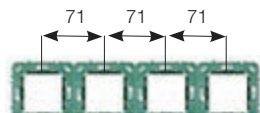
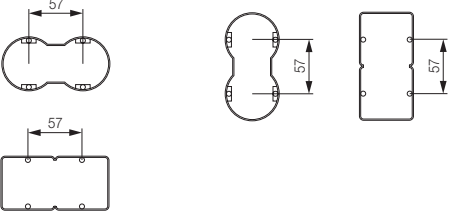
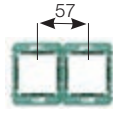
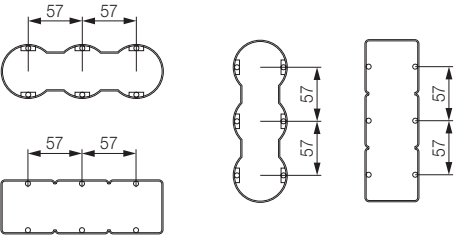
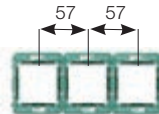
Module	Box	Frame	Cover plate*
14 (7+7)	<p><b>Flush mounting</b></p>  <p><b>V71320</b> For masonry GW 650 °C, light blue</p> <p><b>V71720</b> For hollow walls GW 850 °C, light blue</p> <p><b>Surface mounting</b></p>  <p><b>09920.01</b>, White</p>	 <p><b>14620...</b> 14-module (7+7), with screws</p>	 <p><b>14690...</b> 14-module (7+7) Dimensions: 206x148x11 mm</p>
21 (7+7+7)	<p><b>Flush mounting</b></p>  <p><b>V71321</b> For masonry, GW 650 °C, light blue</p> <p><b>Surface mounting</b></p>  <p><b>09921.01</b>, White</p>	 <p><b>14621</b> 21-module (7+7+7), with screws</p>	 <p><b>14691...</b> 21-module (7+7+7) Dimensions: 206x222x11 mm</p>
1	<p><b>Panel mounting</b></p>  <p><b>16776.AU</b> GW 960 °C</p>	 <p><b>14626</b> 1-module, with screws</p>	 <p><b>14666...</b> 1-module Dimensions: 40x80x9 mm</p>
2	<p><b>Panel mounting</b></p>  <p><b>16776.AU x 2</b> GW 960 °C</p>	 <p><b>14627</b> 2-module, with screws</p>	 <p><b>14667...</b> 2-module Dimensions: 40x137x9 mm</p>
1 and 2 for ø 60 and 65 mm		 <p><b>14601</b> 1-module, with claws <b>14601.G</b> As above, grey</p> <p><b>14600</b> 1-module, without screws <b>14600.G</b> As above, grey</p>	 <p><b>14641...</b> 1-module, Dimensions: 80x80x9 mm</p>
		 <p><b>14602</b> 2-module, with claws <b>14602.G</b> As above, grey</p> <p><b>14603</b> 2-module, without screws <b>14603.G</b> As above, grey</p> <p><b>14604</b> 2-module, with claws</p> <p><b>14605</b> 2-module, without screws</p>	 <p><b>14642...</b> 2-module, Dimensions: 80x80x9 mm</p> <p><b>14642.C.01</b> 2-module, with cover, white Dimensions: 80x80x14 mm</p>
		 <p><b>14602</b> 2-module, with claws <b>14602.G</b> As above, grey</p> <p><b>14603</b> 2-module, without screws <b>14603.G</b> As above, grey</p> <p><b>14604</b> 2-module, with claws</p> <p><b>14605</b> 2-module, without screws</p>	 <p><b>14652...</b> 2-central-module Dimensions: 119,5x80x9 mm</p>



## British standard mounting

Module	Box	Frames/Devices	Cover plate*
1 and 2	<p>Flush mounting</p>  <p>1-gang mounting box Fixing centres: 60,3 mm</p>	 <p><b>14606¹</b> 1-module, with screws M 3,5, white</p>  <p><b>14606.SL¹</b> 1-module, with screws M 3,5, Silver</p>  <p><b>14607¹</b> 2-module, with screws M 3,5</p> 	 <p><b>14647¹...</b> 2-module. Dimensions: 95x95x9 mm</p>
3 and Monobloc	<p>Flush mounting</p>  <p>1-gang mounting box Fixing centres: 60,3 mm</p>	 <p><b>14608¹</b> 3-module, with screws M 3,5</p>  <p><b>14215</b> Example of monobloc device in horizontal mounting</p>  <p><b>14017</b> Example of monobloc device in vertical mounting</p>	 <p><b>14648¹...</b> 3-module. For horizontal and vertical mounting. Dimensions: 95x95x9 mm</p>
5 and Monobloc	<p>Flush mounting</p>  <p>2-gang mounting box Fixing centres: 120,6 mm</p>	 <p><b>14609¹</b> 5-module, with screws M 3,5</p>   <p><b>14222</b> Example of monobloc device in horizontal mounting</p>  <p><b>14291</b> Example of monobloc device in vertical mounting</p>	 <p><b>14649¹...</b> 5-module. For horizontal and vertical mounting. Dimensions: 155x95x9 mm</p>

71 mm and 57 mm between centres installation

Module	Box	Frame
2+2 71 mm between centres		 <b>2 x 14602</b> 2-module, with claws <b>2 x 14603</b> 2-module, without screws
2+2+2 71 mm between centres		 <b>3 x 14602</b> 2-module, with claws  <b>3 x 14603</b> 2-module, without screws
2+2+2+2 71 mm between centres		 <b>4 x 14602</b> 2-module, with claws  <b>4 x 14603</b> 2-module, without screws
2+2 57 mm between centres		 <b>2 x 14605</b> 2-module, without screws
2+2+2 57 mm between centres		 <b>3 x 14605</b> 2-module, without screws

## 71 mm and 57 mm between centres installation

	Cover plate*
	 <p><b>14643...</b> 4 (2+2)-module, for horizontal and vertical installation. Dimensions: 150,5x80x9 mm</p>
	 <p><b>14644...</b> 6 (2+2+2)-module, for horizontal and vertical installation. Dimensions: 221,5x80x9 mm</p>
	 <p><b>14669...</b> 8 (2+2+2+2)-module, for horizontal and vertical installation. Dimensions: 293x80x9 mm</p>
 <p><b>2 x 14604</b> 2-module, with claws</p> <p><b>2 x 14605</b> 2-module, without screws</p>	 <p><b>14645...</b> 4 (2+2)-module, for horizontal and vertical installation. Dimensions: 136,5x80x9 mm</p>
 <p><b>3 x 14604</b> 2-module, with claws</p> <p><b>3 x 14605</b> 2-module, without screws</p>	 <p><b>14646...</b> 6 (2+2+2)-module, for horizontal and vertical installation. Dimensions: 193,5x80x9 mm</p>

## Customization

### Devices and cover plates customization

Vimar laser technology allows the reproduction of any name, logotype or trademark, with absolute precision and indelebility, even for small quantities.

#### Information

- all devices, buttons and cover plates are customized depending on conditions described below;
- for **Plana Silver** only the following articles are customizable: **14021.G.SL**, **14022.G.SL** and **14023.G.SL**;
- the following technopolymer cover plates are not customizable: **iridescent brown (23)**, **polished gold (24)**, **matt gold (25)**, **ash (31)**, **fir (32)**, **makoré (33)**, **antique brass (76)**;
- for **wooden cover plate** customization: prices and quantities agreed with the commercial networks.
- for button engravings, make sure that the desired symbol or label is not already included in the table 'Standard symbols and wordings' below; if so, simply indicate the corresponding code in addition to the article code in your order.
- the customization **visible in darkness** it is possible in devices and buttons with symbol or interchangeable buttons with area to customize (e. g. 14021.G, 14022.G and 14023.G).

#### Laser customization advantages

- indelible engraving that does not deteriorate over time;
- high-precision reproduction even of very fine lines and complex images;
- service available even for minimal quantities;
- possibility of ordering the same customization at different times with identical results.

#### The few limits of technology

- it is not possible to reproduce coloured images.

#### What to supply

- a printout of the image to be reproduced, in black-and-white line drawing scaled 2 or 3 times larger than the finished size;
- an image in EPS, TIFF or JPEG format of the subject to be reproduced;

#### Things to avoid

- do not provide photocopies;
- do not fax the image to be reproduced, because the low definition of the fax makes it impossible to reproduce the customization with the high quality of laser system.

#### How to proceed

- enclose (without paper clips, staples or adhesive tape) or send the image to be reproduced;
- deliver all the documentation to your area wholesaler/distributor, who will then forward it to Vimar.

#### Estimated lead times for devices and cover plates

- 10 working days for the sample;
- 10 working days from confirmation for completed order.

### Example of customizable buttons and switches



Interchangeable buttons **14021.G** and **14021.G.SL**, customisable with symbol **visible** in the dark



Customised controls and buttons with symbols that are **not visible** in the dark

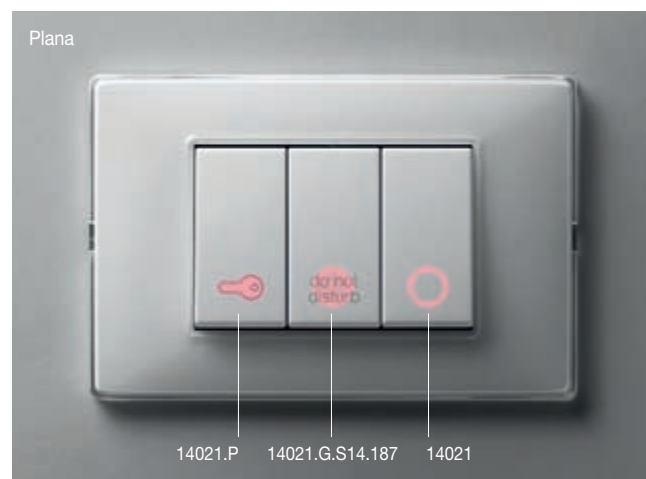


Interchangeable button **14751** for KNX controls with customisable area and symbol that is **not visible** in the dark

### Example of customized cover plate



### Example of customized switches with luminous indicator



### Smart card customization

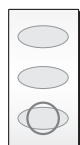
The rear of the card can be customised on request, by providing a digital image of the subject in eps, tiff or jpg format.



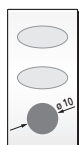
## Customization

### Buttons and switches customization positions and instructions

#### Plana



Interchangeable button, lightable ring pilot lamp. Customization **not visible** in darkness.



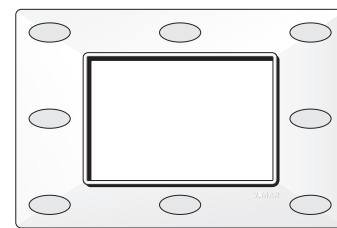
Interchangeable button, lightable disc pilot lamp (14021.G, 14022.G, 14023.G). Customization **not visible** in darkness (top and central area), **visible** in darkness (bottom area).

#### Plana Silver



Interchangeable button, lightable (14021.G.SL, 14022.G.SL, 14023.G.SL). Customizable area: 13x8,5 mm. Customization **visible** in darkness (bottom area).

### Cover plate customization positions and instructions



#### Plana and Plana Silver



Interchangeable buttons 14751... Laser-printed customisation not **visible** in the dark at the top and bottom.

### Standard symbols and wordings (♦ symbols already on product catalogue)

♦ S14.001	S14.002	S14.003	S14.004	S14.005	S14.006	S14.007	S14.008	S14.009	S14.010	S14.011	S14.012	S14.013	S14.014	S14.015	S14.016	S14.017
											♦ S14.029					
S14.018	S14.019	S14.020	S14.021	S14.022	S14.023	S14.024	S14.025	S14.026	S14.027	S14.028	♦ S14.029	S14.030	S14.031	S14.032	S14.033	S14.034
														♦ S14.049		
S14.035	S14.036	S14.037	S14.038	♦ S14.039	♦ S14.040	S14.041	S14.042	S14.043	S14.044	S14.045	S14.046	S14.047	S14.048	♦ S14.049	S14.050	S14.051
S14.052	♦ S14.053	♦ S14.054	♦ S14.055	♦ S14.056	♦ S14.057	♦ S14.058	♦ S14.059	♦ S14.060	S14.061	S14.062	S14.063	S14.064	S14.065	S14.066	S14.067	S14.068
S14.069	S14.070	S14.071	S14.072	♦ S14.073	♦ S14.074	S14.075	S14.076	S14.077	S14.078	S14.079	S14.080	S14.081	S14.082	S14.083	S14.084	S14.085
S14.086	S14.087	S14.088	S14.089	S14.090	S14.091	S14.092	S14.093	S14.094	S14.095	S14.096	S14.097	S14.098	S14.099	S14.100	S14.101	S14.102
														♦ S14.117		
S14.103	S14.104	S14.105	S14.106	S14.107	S14.108	S14.109	S14.110	S14.111	S14.112	S14.113	S14.114	S14.115	S14.116	♦ S14.117	S14.118	S14.119
S14.120	S14.121	S14.122	S14.123	S14.124	S14.125	S14.126	S14.127	S14.128	S14.129	S14.130	S14.131	S14.132	S14.133	S14.134	S14.135	S14.136
S14.137	S14.138	S14.139	S14.140	S14.141	S14.142	S14.143	S14.144	S14.145	S14.146	S14.147	S14.148	S14.149	S14.150	S14.151	S14.152	S14.153
S14.154	S14.155	S14.156	S14.157	S14.158	S14.159	S14.160	S14.161	S14.162	S14.163	S14.164	S14.165	S14.166	S14.167	S14.168	S14.169	S14.170
S14.171	S14.172	S14.173	S14.174	S14.175	S14.176	S14.177	S14.178	S14.179	S14.180	S14.181	S14.182	S14.183	S14.184	S14.185	S14.186	S14.187
light	open	close	alarm	come in	back	stairs	bathroom	cellar	storeroom	attic	terrace	outside	garden	garage	general	
S14.188.EN	S14.189.EN	S14.190.EN	S14.191.EN	S14.192.EN	S14.193.EN	S14.194.EN	S14.195.EN	S14.196.EN	S14.197.EN	S14.198.EN	S14.199.EN	S14.200.EN	S14.201.EN	S14.202	S14.203.EN	





---

<b>Flush mounting boxes and accessories</b>	<b>from page 106</b>
---	----------------------

---

<b>Surface mounting boxes</b>	<b>from page 112</b>
-------------------------------	----------------------

---

<b>Isolet: IP40 and IP55 surface mounting boxes</b>	<b>from page 114</b>
---	----------------------

---

<b>Table mounting boxes</b>	<b>from page 118</b>
-----------------------------	----------------------

---

<b>Flush mounting junction boxes and accessories</b>	<b>from page 119</b>
--	----------------------

---

<b>Surface mounting junction boxes</b>	<b>from page 127</b>
--	----------------------

---

<b>Flush mounting consumer units and accessories</b>	<b>from page 131</b>
--	----------------------

---

<b>Control panels for data distribution</b>	<b>from page 135</b>
---	----------------------

---

<b>Consumer units, surface mounting covers and accessories</b>	<b>from page 136</b>
--	----------------------

---

## Flush mounting boxes

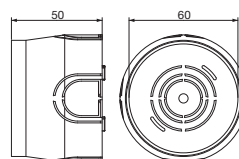
Flush mounting boxes for masonry



**V71001**  
Round  $\varnothing$  60 mm  
(GW 650 °C), light blue



**V71001.AU**  
Round  $\varnothing$  60 mm  
(GW 960 °C), black



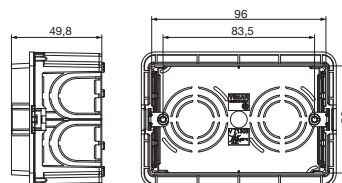
**V71001, V71001.AU**



**V71303**  
(GW 650 °C), light blue  
- 3 modules



**V71303.AU**  
(GW 960 °C), black  
- 3 modules



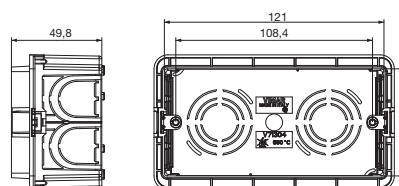
**V71303, V71303.AU**



**V71304**  
(GW 650 °C), light blue  
- 4 modules



**V71304.AU**  
(GW 960 °C), black  
- 4 modules



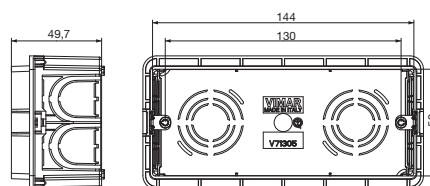
**V71304, V71304.AU**



**V71305**  
(GW 650 °C), light blue  
- 5 modules



**V71305.AU**  
(GW 960 °C), black  
- 5 modules



**V71305, V71305.AU**



Dividing screen to realize modular and electrically separated compartments



Knockouts on all sides to accommodate differently sized conduits

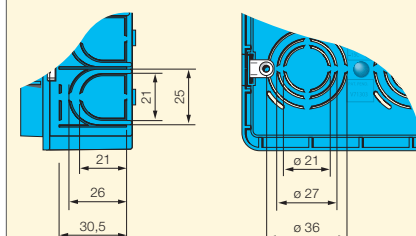


Precise back to back positioning, thanks to marking and stopping pins



Knockouts fixed to the box in two points only

### Cable entry dimensions



# BOXES and CONSUMER UNITS

## Flush mounting boxes

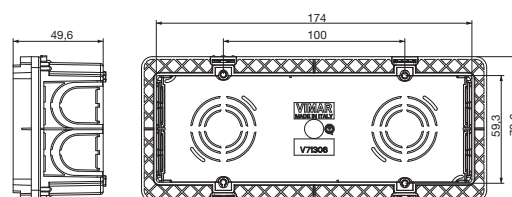
Flush mounting boxes for masonry



**V71306**  
(GW 650 °C), light blue  
- 6/7 modules



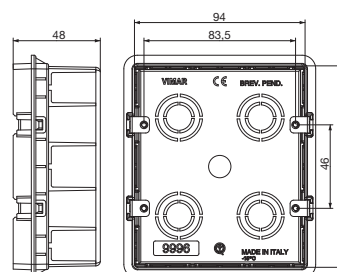
**V71306.AU**  
(GW 960 °C), black  
- 6/7 modules



**V71306, V71306.AU**



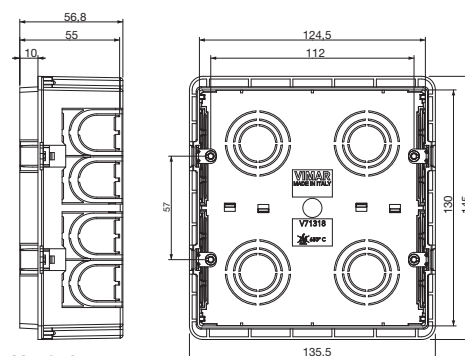
**09996**  
(GW 650 °C), light blue  
- 6 (3+3) modules



**09996**



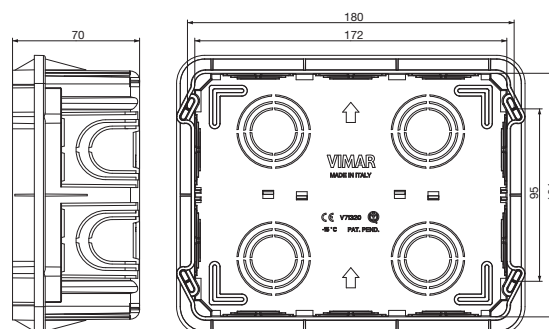
**V71318**  
(GW 650 °C), light blue  
- 8 modules



**V71318**



**V71320**  
(GW 650 °C), light blue  
- 12/14 modules



**V71320**

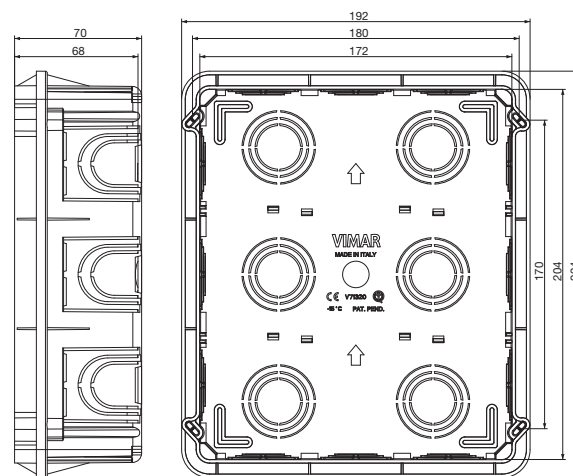
# BOXES and CONSUMER UNITS

## Flush mounting boxes

### Flush mounting boxes for masonry



**V71321**  
(GW 650 °C), light blue  
- 18/21 modules



**V71321**

### Antimortar protective covers for flush mounting masonry boxes



**V71011**  
Cover for V71001 and  
V71001.AU, yellow



**V71323**  
Cover for V71303 and  
V71303.AU, yellow



**V71324**  
Cover for V71304 and  
V71304.AU, yellow



**V71325**  
Cover for V71305 and  
V71305.AU, yellow



**V71326**  
Cover for V71306 and  
V71306.AU, yellow



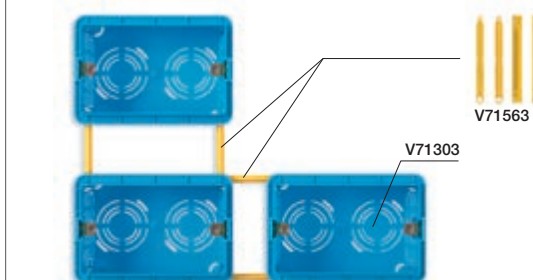
**V71328**  
Cover for V71318 and  
V71718, yellow

### Accessories for flush mounting masonry boxes



**V71563**  
Coupling joints for both horizontal and  
vertical compositions in flush-mounting  
boxes V71303, V71304, V71305,  
V71306. Length 58,2 mm, yellow

#### Side-by-side installation with V71563 joint plate



# BOXES and CONSUMER UNITS

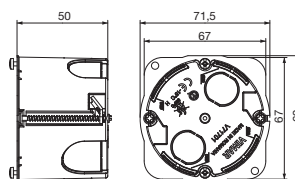
## Flush mounting boxes

### Flush mounting boxes for hollow walls



#### V71701

Round  $\varnothing$  60 mm (GW 850 °C), light blue, suitable only for mounting frames without claws

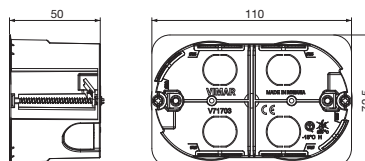


V71701



#### V71703

(GW 850 °C), light blue  
- 3 modules

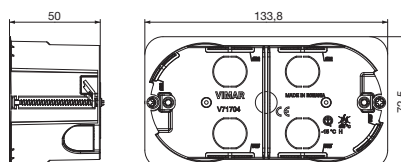


V71703

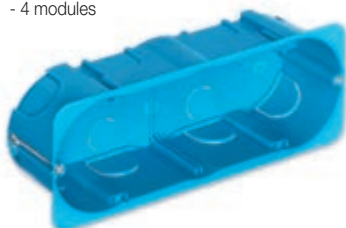


#### V71704

(GW 850 °C), light blue  
- 4 modules

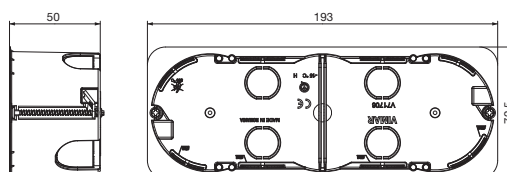


V71704



#### V71706

(GW 850 °C), light blue  
- 6/7 modules

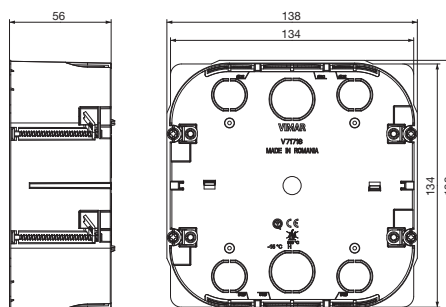


V71706

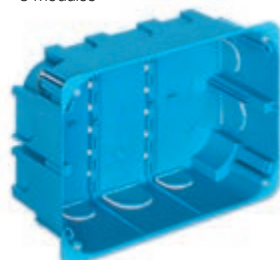


#### V71718

(GW 850 °C), light blue  
- 8 modules

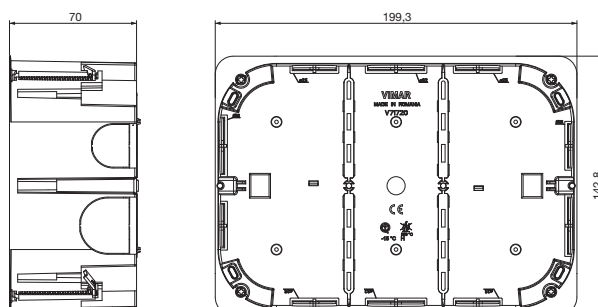


V71718



#### V71720

Multifunction (GW 850 °C), light blue.  
Casing for ordinary use (GP)  
- 12/14 modules



V71720



## Flush mounting boxes

### Multifunction accessories for hollow walls flush mounting boxes



#### V71571

Support for installing boxes V71701 on light walls inside the wall, yellow:

- centring template;
- coupling joint for mounting boxes in horizontal and vertical banks



#### V71573

Support for installing boxes V71703 on light walls inside the wall, yellow:

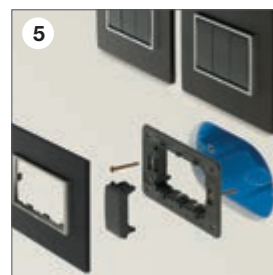
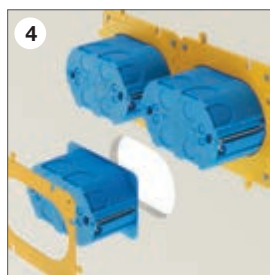
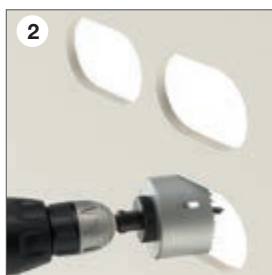
- centring template;
- coupling joint for mounting boxes in horizontal and vertical banks



#### V71574

Support for installing boxes V71704 on light walls inside the wall, yellow:

- centring template;
- coupling joint for mounting boxes in horizontal and vertical banks



1. and 2. Use the **V71573** accessory as a template for a precise drilling.
3. Remove with a cutter or scissors the central grid. The accessory can also be used as a tie.
4. When box positioned, fix it to the hollow wall with screws for plasterboard.
5. The result is a flush profile.

### Accessories for flush mounting masonry and hollow wall boxes



#### V71550

Dividing screen for boxes V71303..., V71304..., V71305..., V71306..., V71703, V71704, V71706, yellow



#### V71551

Horizontal dividing screen for boxes V71320, V71321, V71620, V71720, 09920..., 09921..., yellow. Allows to realize electrically separated compartments inside the box



#### V71552

Horizontal dividing screen for boxes V71318 and V71718, yellow. Allows to realize electrically separated compartments inside the box

### Covers for flush mounting masonry and hollow wall boxes



#### 02645

Round,  $\varnothing$  76 mm, with claws for  $\varnothing$  55-70 mm boxes, urea resin, white



#### 02646

Round,  $\varnothing$  94 mm with claws for  $\varnothing$  75-85 mm boxes, urea resin, white



#### 02647

Square, 82x82 mm, with claws for  $\varnothing$  55-70 mm boxes, urea resin, white



#### 02648

Square, 101x101 mm with claws for  $\varnothing$  75-85 mm boxes, urea resin, white



#### 02653

Rectangular, with screws for V71303... boxes, urea resin, white. Fixing centres at 83,5 mm



#### V71630

Rectangular, with screws for V71320 and V71720 boxes, white



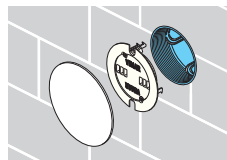
## Flush mounting boxes

### Flush-to-wall covers for flush mounting masonry and hollow wall boxes



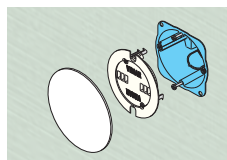
**▲V71632**  
Flush-to-wall cover  
for 2-module boxes,  
white

#### Fixing method



#### Masonry walls.

The box mounting frame is fastened **using claws**, while the cover snaps into the mounting frame without leaving any screws visible.



#### Hollow walls.

The box mounting frame is fastened **using screws**, while the cover snaps into the mounting frame without leaving any screws visible.

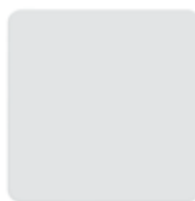
### Flush-to-wall covers for flush mounting masonry and hollow wall boxes



**▲V71633**  
Flush-to-wall cover for  
3-module boxes, white



**▲V71634**  
Flush-to-wall cover for  
4-module boxes, white

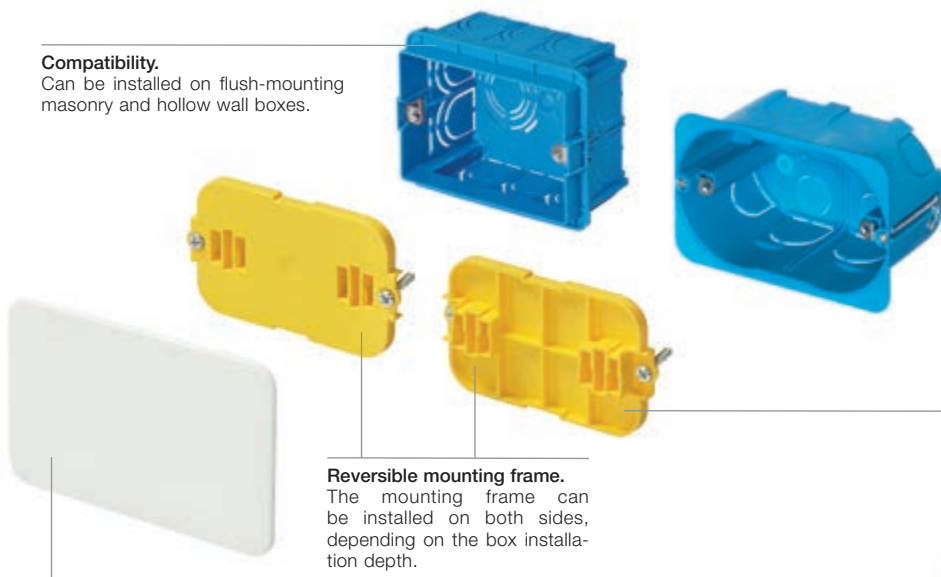


**V71631**  
Cover for V71318 and V71718 boxes,  
snap fixing to V71328 antimortar  
cover (provided), white

#### Flush-to-wall cover: installation on flush mounting boxes

##### Compatibility.

Can be installed on flush-mounting masonry and hollow wall boxes.



##### Reversible mounting frame.

The mounting frame can be installed on both sides, depending on the box installation depth.

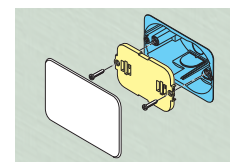
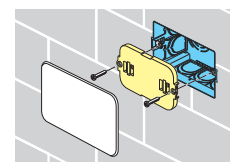
##### Cover.

The cover is installed on the mounting frame using a snap-on system, which ensures that the installation is solid, with optimal aesthetic performance as there are no screws.

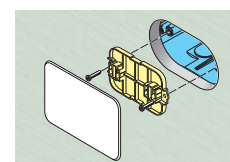
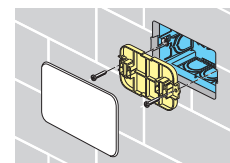
##### Maximum aesthetic performance.

As the cover protrudes very little, can be painted and has a smooth surface, it is invisible even when installed in full view.

#### Installation with standard box depth



#### Installation with increased box depth



# BOXES and CONSUMER UNITS

## Surface mounting boxes



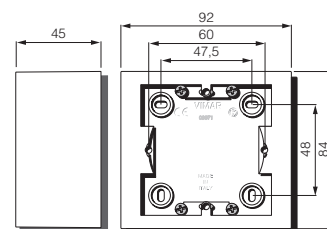
### 09971.A

Square, for 1- or 2-reduced-module Idea, RAL 9001 ivory. Idea series: suitable for Classica cover plate only



### 09971.01

Square, for 1- or 2-reduced-module Idea, white. Idea series: suitable for Classica cover plate only

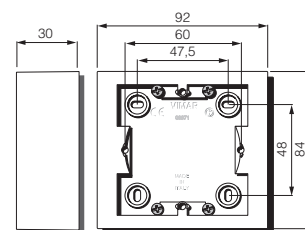


### 09971...



### 09972.01

Square, for 1- or 2-reduced-module Idea, white



### 09972...



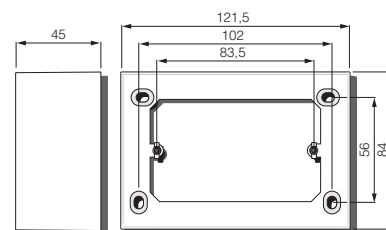
### 09975.A

Rectangular, for 3-module, RAL 9001 ivory. Idea: suitable only for Classica cover plates



### 09975.01

Rectangular, for 3-module, white. Idea: suitable only for Classica cover plates



### 09975...



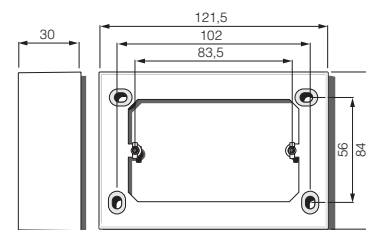
### 09976.04

Rectangular, for 3-module, Idea white. Idea: suitable only for Classica cover plates



### 09976.14

Rectangular, for 3-module, Idea grey. Idea: suitable only for Classica cover plates



### 09976...



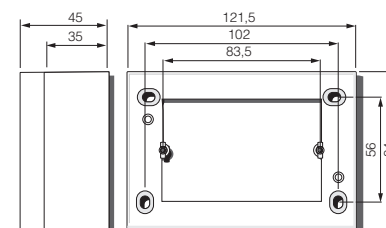
### 09983

Rectangular, for 3-module, grey



### 09983.01

Rectangular, for 3-module, white



### 09983...

# BOXES and CONSUMER UNITS

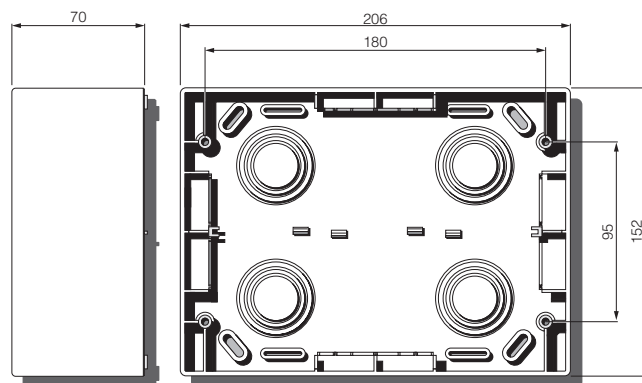
## Surface mounting boxes

### Surface mounting boxes



**09920.01**

Rectangular, for 12-(6+6)-module,  
white

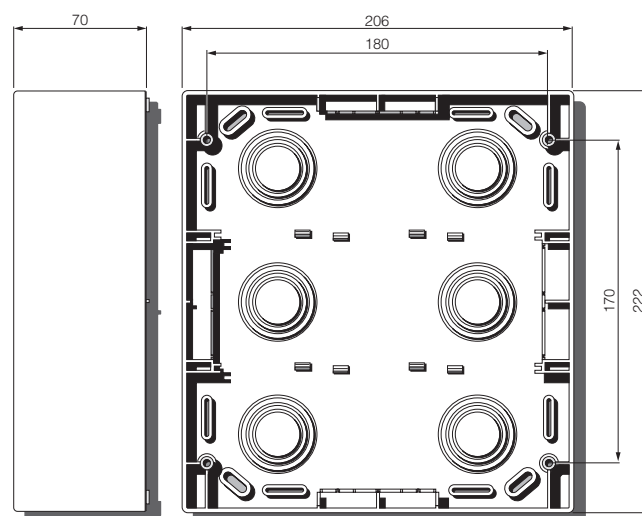


09920...



**09921.01**

Rectangular, for 18-(6+6+6)-module,  
white



09921.01

## Isoset: IP40 surface mounting boxes

### Isoset IP40 boxes



**14801**  
1-module



**14802**  
2-module,  
horizontal and vertical  
device fixing



**14803**  
3-module



**14804**  
4-module



**14812**  
4-module (2+2),  
horizontal and vertical  
device fixing



In the same box it is possible the horizontal and vertical device fixing.



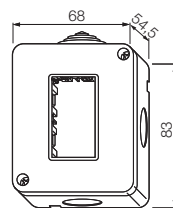
**14813**  
6-module (2+2+2),  
horizontal and vertical  
device fixing



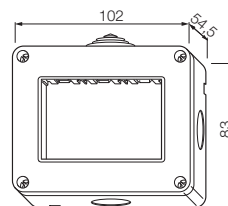
**14814**  
8-module (2+2+2+2),  
horizontal and vertical  
device fixing



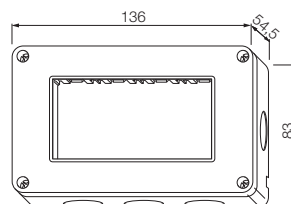
**14815**  
10-module (2+2+2+2+2),  
horizontal and vertical  
device fixing



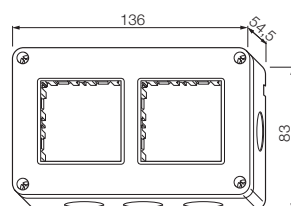
**14801, 14802**



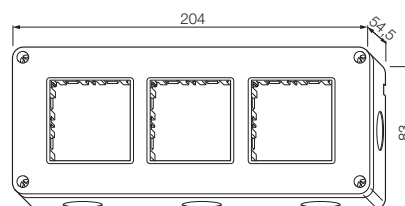
**14803**



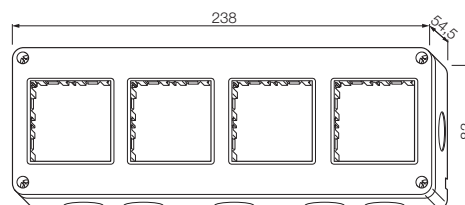
**14804**



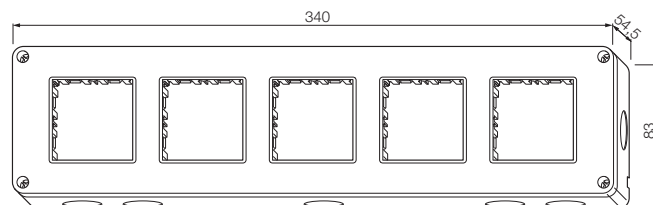
**14812**



**14813**



**14814**



**14815**

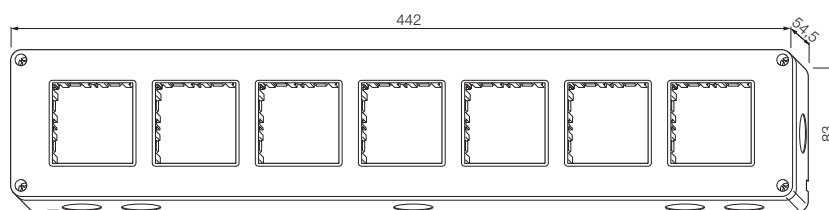
# BOXES and CONSUMER UNITS

## Isoset: IP40 surface mounting boxes

### Isoset IP40 boxes



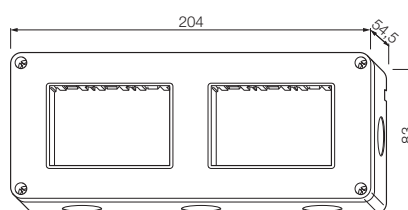
**14817**  
14-module (2+2+2+2+2+2),  
horizontal and vertical device  
fixing



**14817**



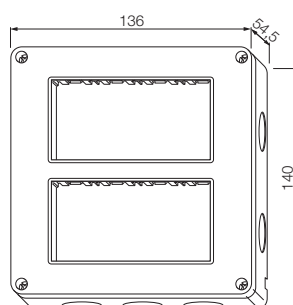
**14827**  
6-module (3+3 in horizontal)



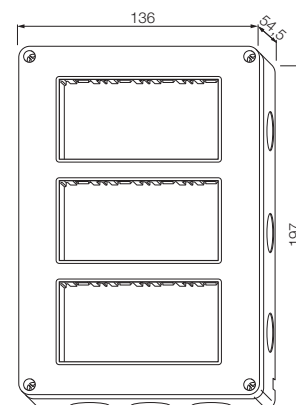
**14827**



**14832**  
8-module (4+4 in vertical)



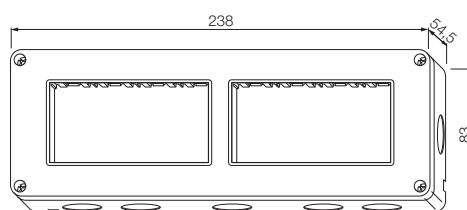
**14832**



**14833**



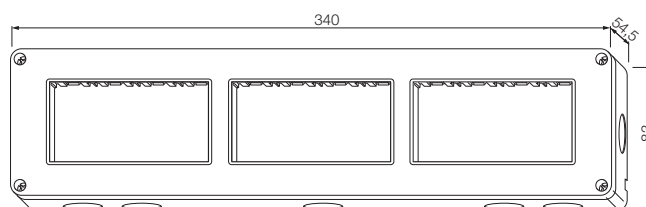
**14833**  
12-module (4+4+4 in vertical)



**14837**



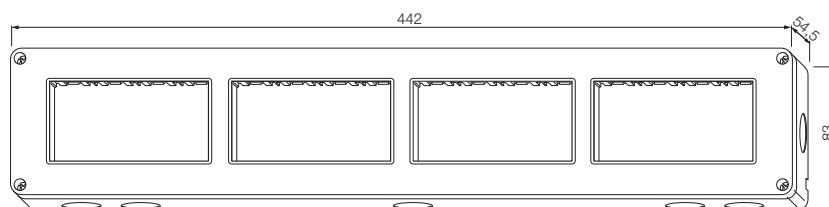
**14837**  
8-module (4+4 in horizontal)



**14838**



**14838**  
12-module (4+4+4 in horizontal)



**14839**



**14839**  
16-module (4+4+4+4 in horizontal)

# BOXES and CONSUMER UNITS

## Isoset: IP55 surface mounting boxes

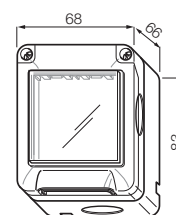
### Isoset IP55 boxes



**14901**  
1-module



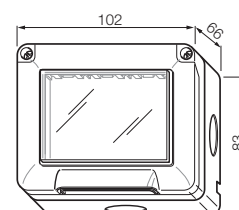
**14902**  
2-module



**14901, 14902**



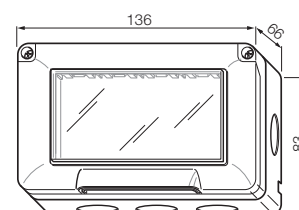
**14903**  
3-module



**14903**



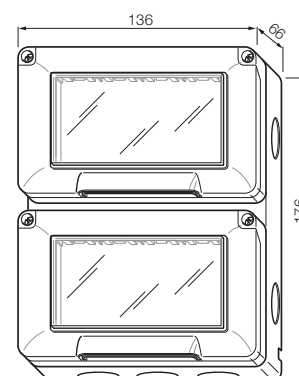
**14904**  
4-module



**14904**



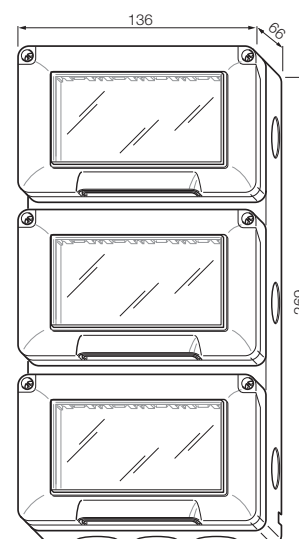
**14912**  
8-module (4+4 in vertical)



**14912**



**14913**  
12-module (4+4+4 in vertical)



**14913**



# BOXES and CONSUMER UNITS

## Isoset: IP55 surface mounting covers

### Isoset IP55 covers



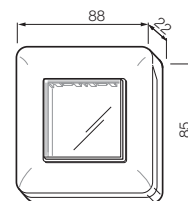
**14931**  
with claws for  
ø 60 mm box,  
RAL 7035 grey  
- 2 modules



**14931.01**  
with claws for  
ø 60 mm box,  
white  
- 2 modules



**14931.14**  
with claws for  
ø 60 mm box,  
granite grey  
- 2 modules



**14931...**



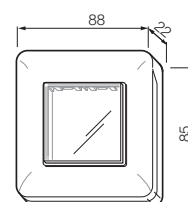
**14932**  
with screws, for 60 mm  
distance between centres  
box, RAL 7035 grey  
- 2 modules



**14932.01**  
with screws, for 60  
mm distance between  
centres box, white  
- 2 modules



**14932.14**  
with screws, for 60  
mm distance between  
centres box, granite  
grey - 2 modules



**14932...**



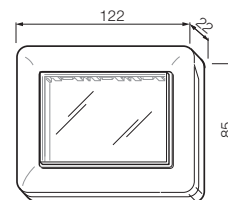
**14943**  
with screws, for  
3-module box,  
RAL 7035 grey  
- 3 modules



**14943.01**  
with screws, for  
3-module box, white  
- 3 modules



**14943.14**  
with screws, for  
3-module box, granite  
grey - 3 modules



**14943...**



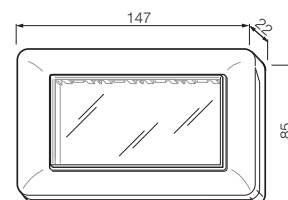
**14944**  
with screws, for  
4-module box,  
RAL 7035 grey  
- 4 modules



**14944.01**  
with screws, for  
4-module box, white  
- 4 modules



**14944.14**  
with screws, for  
4-module box, granite  
grey - 4 modules



**14944...**

# BOXES and CONSUMER UNITS

## Table mounting boxes

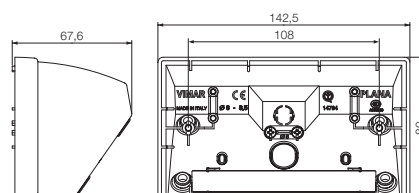
Table mounting boxes to be completed with frame and cover plate



**14784**  
4-module,  
white



**14784.SL**  
4-module,  
Silver



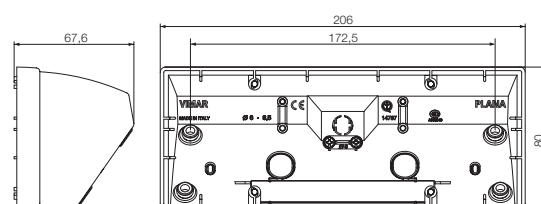
**14784...**



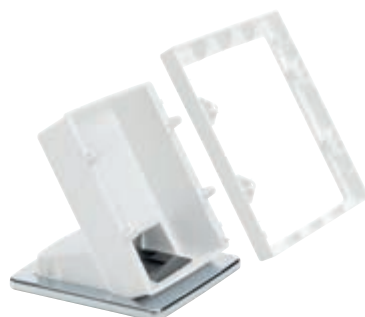
**14787**  
7-module,  
white



**14787.SL**  
7-module,  
Silver



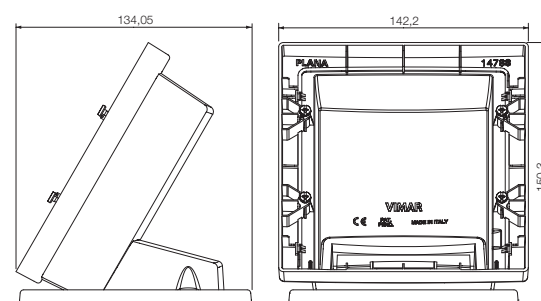
**14787...**



**14788**  
8-module (4+4), with  
frame to be completed  
with cover plate - white



**14788.SL**  
8-module (4+4), with  
frame to be completed  
with cover plate - Silver



**14788...**

Example of 4-module table mounting box



# BOXES and CONSUMER UNITS

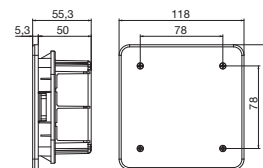
## Flush mounting junction boxes

### Flush mounting junction boxes for masonry



#### V70001

With white cover, antimortar cover and fixing screws. Box dimensions: 92x92x50 mm

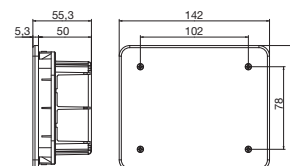


#### V70001



#### V70002

With white cover, antimortar cover and fixing screws. Box dimensions: 116x92x50 mm

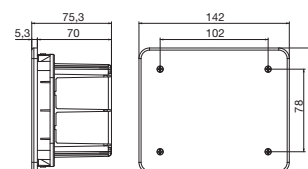


#### V70002



#### V70003

With white cover, antimortar cover and fixing screws. Box dimensions: 116x92x70 mm

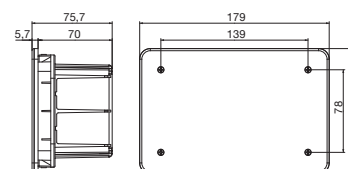


#### V70003



#### V70004

With white cover, antimortar cover and fixing screws. Box dimensions: 154x92x70 mm

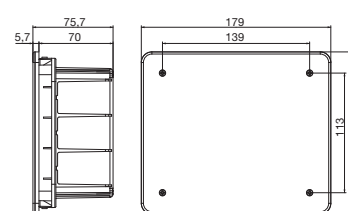


#### V70004



#### V70005

With white cover, antimortar cover and fixing screws. Box dimensions: 154x128x70 mm

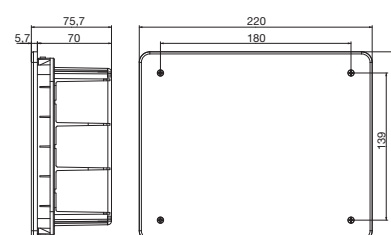


#### V70005



#### V70006

With white cover, antimortar cover and fixing screws. Box dimensions: 195x154x70 mm  
Dissipated power: 13 W



#### V70006

# BOXES and CONSUMER UNITS

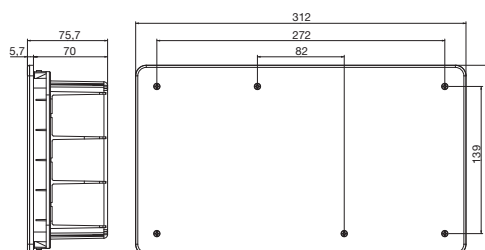
## Flush mounting junction boxes

Flush mounting junction boxes for masonry



### V70007

With white cover, antimortar cover and fixing screws. Box dimensions: 287x154x70 mm  
Dissipated power: 24 W

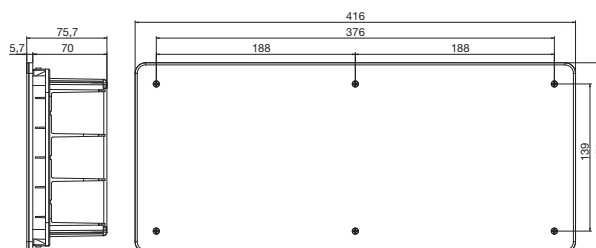


### V70007



### V70008

With white cover, antimortar cover and fixing screws. Box dimensions: 391x154x70 mm  
Dissipated power: 30 W

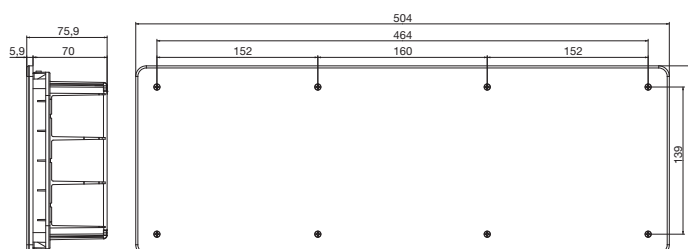


### V70008



### V70009

With white cover, antimortar cover and fixing screws. Box dimensions: 479x154x70 mm  
Dissipated power: 33 W

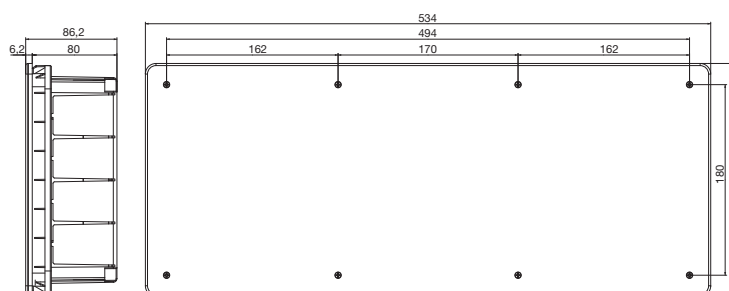


### V70009



### V70010

With white cover, antimortar cover and fixing screws. Box dimensions: 515x201x80 mm  
Dissipated power: 54 W



### V70010

# BOXES and CONSUMER UNITS

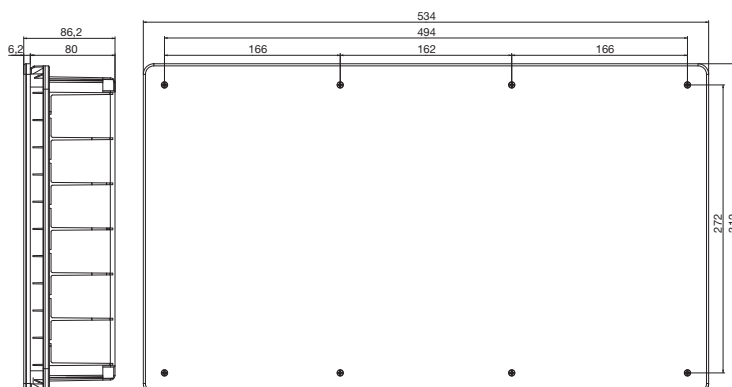
## Flush mounting junction boxes

Flush mounting junction boxes for masonry



### V70011

With white cover, antimortar cover and fixing screws.  
Box dimensions: 515x292x80 mm, 5 dividing screens supplied.  
Dissipated power: 64 W

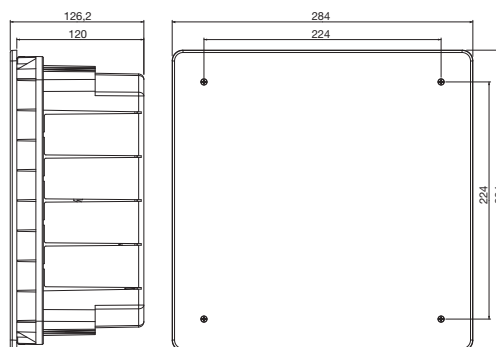


### V70011



### V70207

With white cover, antimortar cover and fixing screws.  
Box dimensions: 248x248x120 mm, 1 dividing screens supplied.  
Dissipated power: 26 W

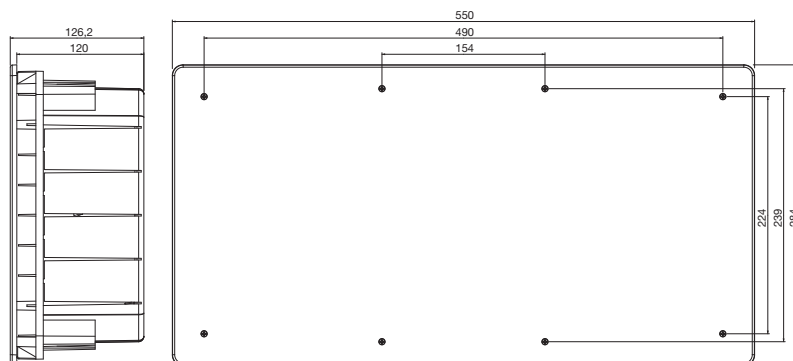


### V70207



### V70211

With white cover, antimortar cover and fixing screws.  
Box dimensions: 515x248x120 mm, 4 dividing screens supplied.  
Dissipated power: 69 W



### V70211

# BOXES and CONSUMER UNITS



## Flush mounting junction boxes

Highly shock resistant cover 20 J for masonry junction boxes



**V70101**  
Cover for V70001



**V70102**  
Cover for V70002  
and V70003



**V70104**  
Cover for V70004



**V70105**  
Cover for V70005



**V70106**  
Cover for V70006



**V70107**  
Cover for V70007



**V70108**  
Cover for V70008



**V70109**  
Cover for V70009



**V70110**  
Cover for V70010



**V70111**  
Cover for V70011



**V70311**  
Cover for V70211



**V70307**  
Cover for V70207



# BOXES and CONSUMER UNITS

## Flush mounting junction boxes

### IP55 covers for masonry junction boxes



▲V72105  
Cover for V70005

▲V72106  
Cover for V70006

▲V72107  
Cover for V70007

IP55 covers: with gasket for installation where there is dust, humidity or water.



### Accessories for masonry junction boxes



**V70181**  
Dividing screen for V70006, V70007, V70008, V70009, V70010, yellow



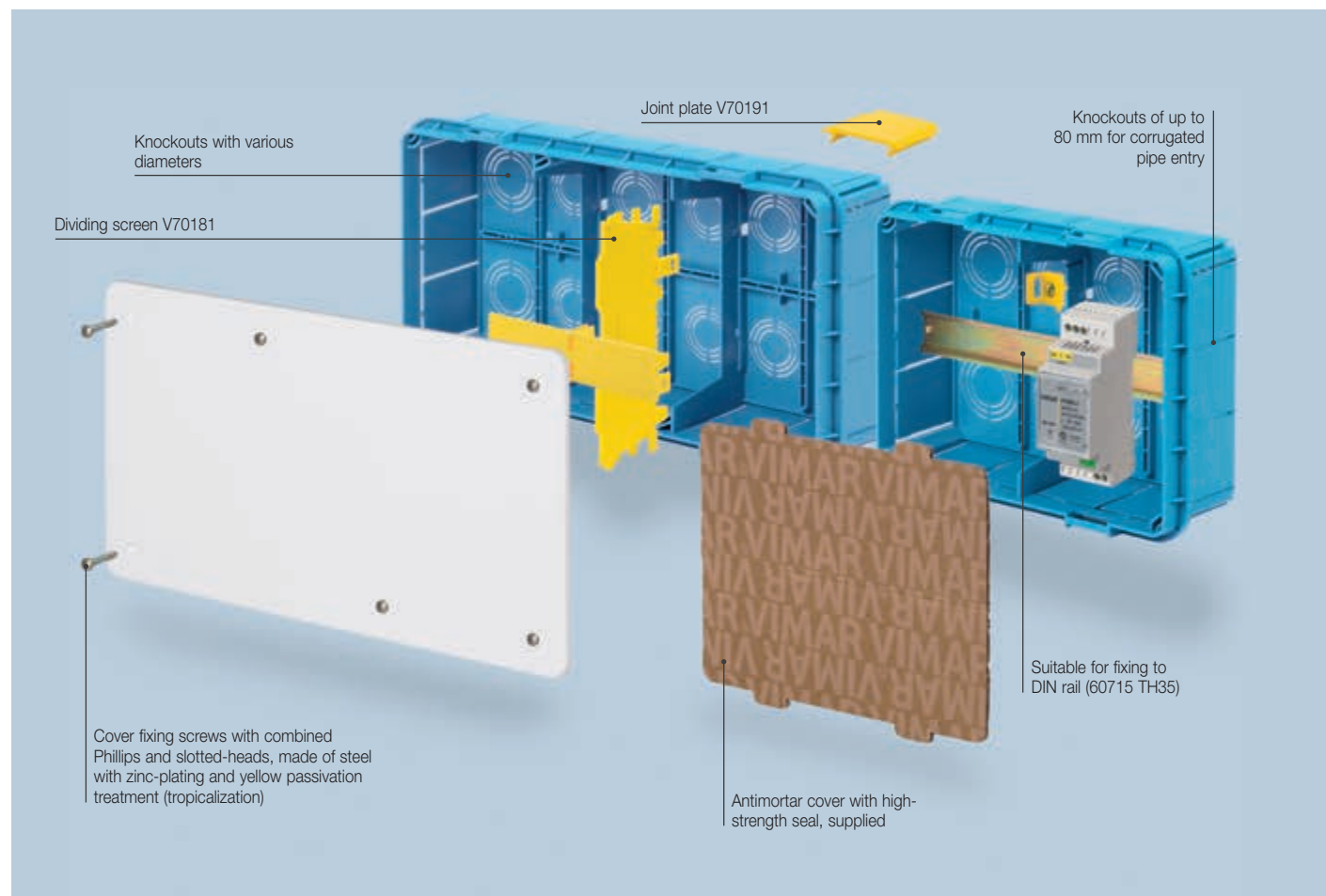
**V70191**  
Joint plate for junction boxes, yellow



**V70198**  
Screw, 30 mm long, for cover fixing



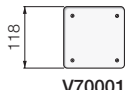

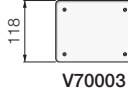

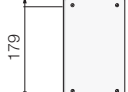

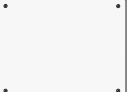
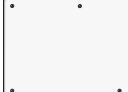

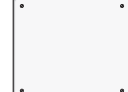
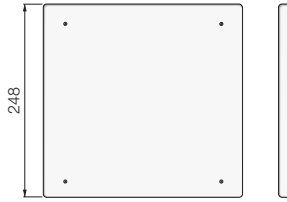

**V70199**  
Screw, 50 mm long, for cover fixing



## Flush mounting junction boxes

### Flush mounting junction boxes for masonry

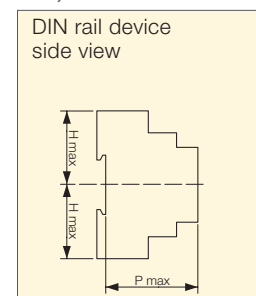
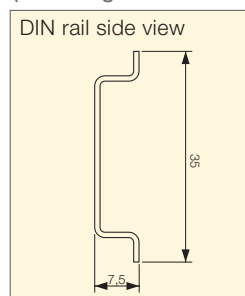
#### Matching possibilities through joint plate V70191

Flush depth (mm)	Cover height (mm)		
50	118		
		V70001	V70002
70	118		
		V70003	V70004
70	179		
		V70004	V70005
			
		V70006	V70007
			
		V70008	V70009
120	248		
		V70207	V70211

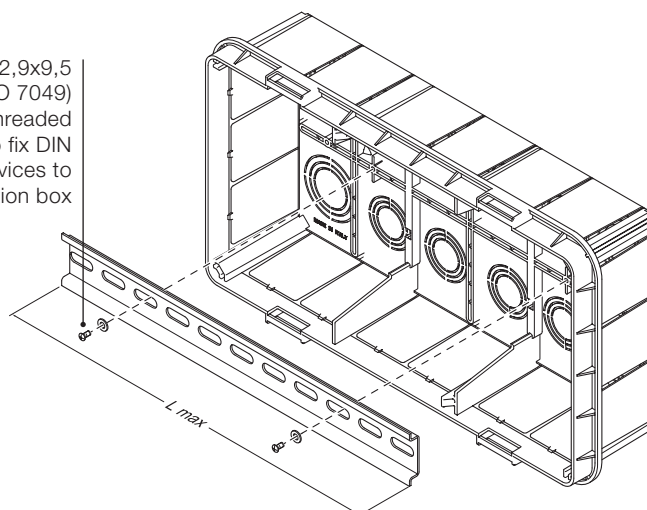
#### Outer dimensions of installable devices

Junction box code	DIN rail length (L max)	Devices depth (P max)	Devices height (H max)
V70006	179	55	45
V70007	271	55	45
V70008	375	55	45
V70009	463	55	45
V70010	498	60	45
V70011	498	60	45
V70207	235	100	75
V70211	235	100	75

DIN rail: TH 35-7,5 hat-section  
(according to EN 60715 Standard)



Use ST 2,9x9,5  
(EN ISO 7049)  
auto-threaded  
screws to fix DIN  
rail and devices to  
junction box



# BOXES and CONSUMER UNITS

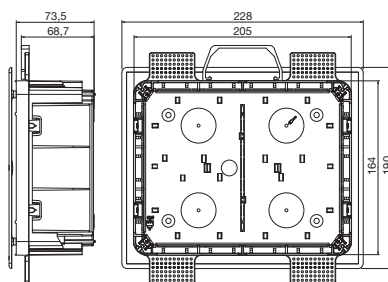
## Flush mounting junction boxes

### Flush mounting junction boxes for hollow walls



#### ▲V72006

With white cover.  
Box dimensions: 205x164x73,5 mm  
Cover dimensions: 228x190 mm  
Dissipated power: 17 W

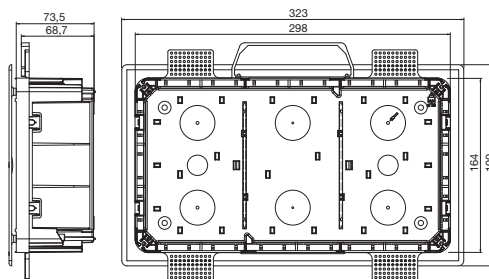


V72006



#### ▲V72007

With white cover.  
Box dimensions: 298x164x73,5 mm  
Cover dimensions: 323x190 mm  
Dissipated power: 25 W

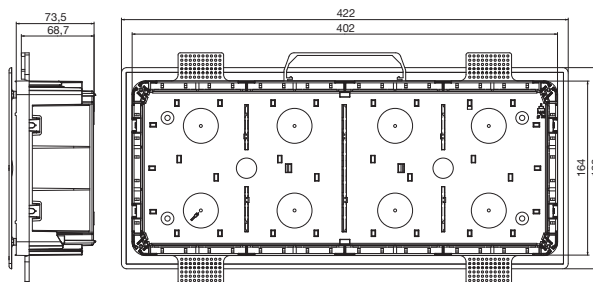


V72007



#### ▲V72008

With white cover.  
Box dimensions: 402x164x73,5 mm  
Cover dimensions: 422x190 mm  
Dissipated power: 35 W

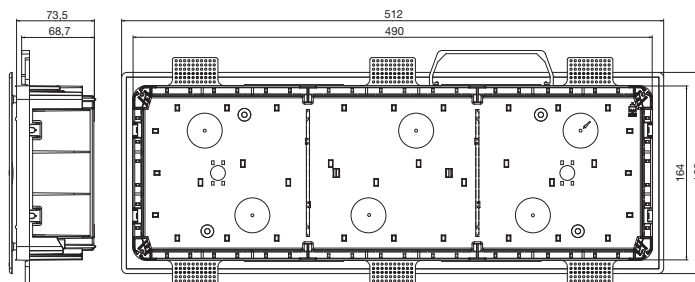


V72008



#### ▲V72009

With white cover.  
Box dimensions: 490x164x73,5 mm  
Cover dimensions: 512x190 mm  
Dissipated power: 40 W



V72009

# BOXES and CONSUMER UNITS



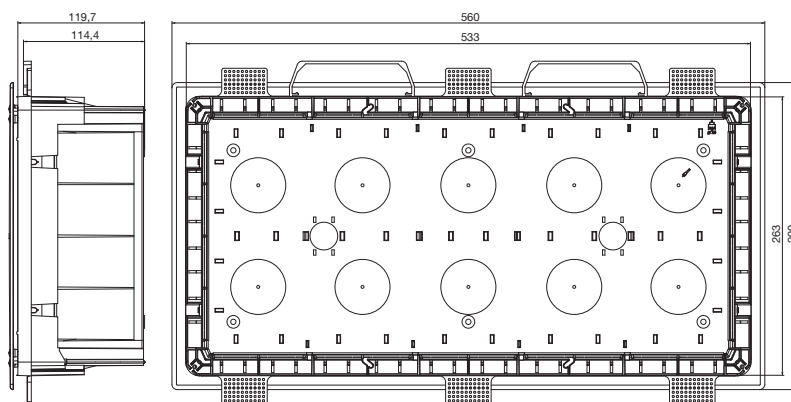
## Flush mounting junction boxes

### Flush mounting junction boxes for hollow walls



#### ▲ V72211

With white cover.  
Box dimensions: 533x263x119,7 mm  
Cover dimensions: 560x290 mm  
Dissipated power: 70 W



V72211

### Accessories for flush mounting junction boxes for hollow walls



#### V70181

Dividing screen for V70006, V70007, V70008, V70009, V70010, yellow



#### V70191

Joint plate for junction boxes, yellow



#### V70198

Screw, 30 mm long, for cover fixing



#### V70199

Screw, 50 mm long, for cover fixing

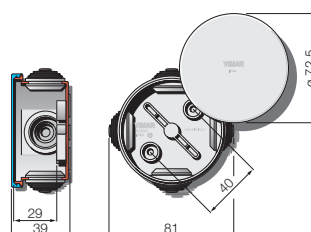
# BOXES and CONSUMER UNITS

## Surface mounting junction boxes

Surface mounting junction box with cable entries and undrilled walls



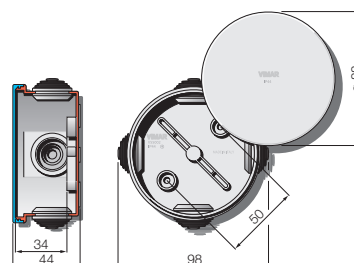
**V55001**  
IP44, snap  
closed cover,  
RAL 7035 grey



**V55001**



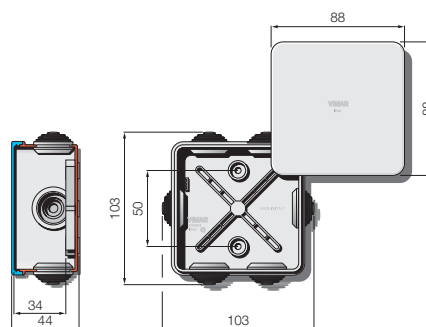
**V55002**  
IP44, snap  
closed cover,  
RAL 7035 grey



**V55002**



**V55003**  
IP44, snap  
closed cover,  
RAL 7035 grey



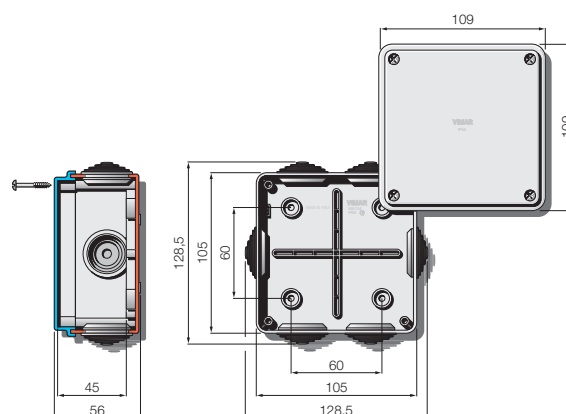
**V55003**



**V55104**  
IP55, cover with  
stainless steel screws,  
RAL 7035 grey



**V55204**  
IP56, cover with  
stainless steel screws,  
RAL 7035 grey



**V55104**  
**V55204**

# BOXES and CONSUMER UNITS

## Surface mounting junction boxes

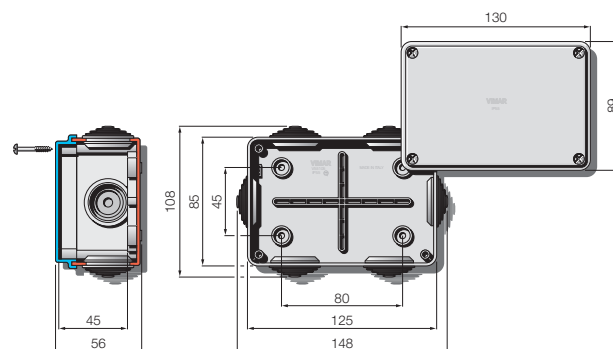
Surface mounting junction box with cable entries and undrilled walls



**V55105**  
IP55, cover with  
stainless steel screws,  
RAL 7035 grey



**V55205**  
IP56, cover with  
stainless steel screws,  
RAL 7035 grey



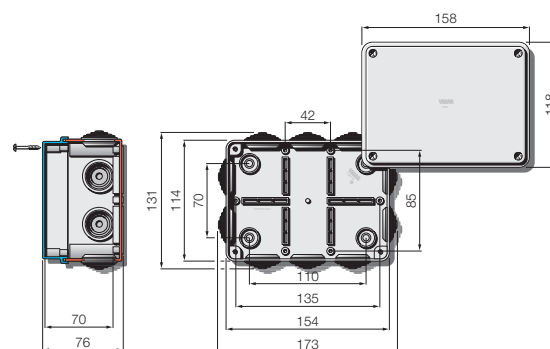
**V55105**  
**V55205**



**V55106**  
IP55, cover with  
stainless steel screws,  
RAL 7035 grey



**V55206**  
IP56, cover with  
stainless steel screws,  
RAL 7035 grey



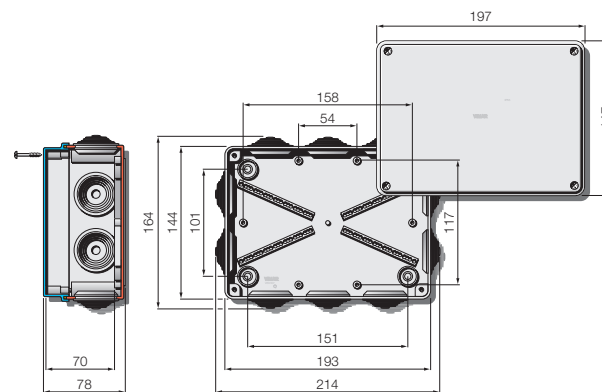
**V55106**  
**V55206**



**V55107**  
IP55, cover with  
stainless steel screws,  
RAL 7035 grey



**V55207**  
IP56, cover with  
stainless steel screws,  
RAL 7035 grey



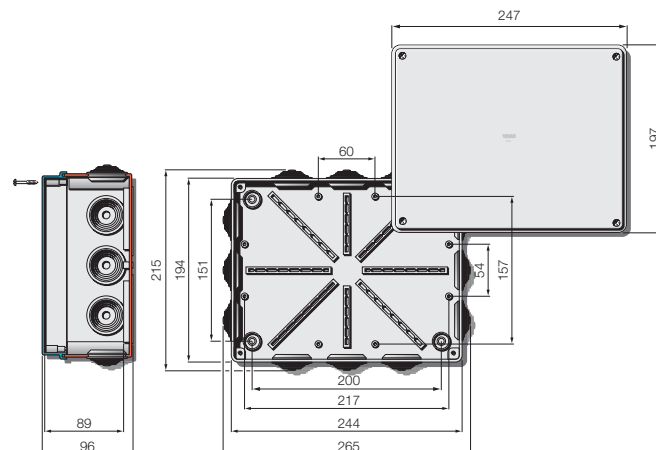
**V55107**  
**V55207**



**V55108**  
IP55, cover with  
stainless steel screws,  
RAL 7035 grey



**V55208**  
IP56, cover with  
stainless steel screws,  
RAL 7035 grey



**V55108**  
**V55208**



## Surface mounting junction boxes



## Surface mounting junction box with cable entries and undrilled walls



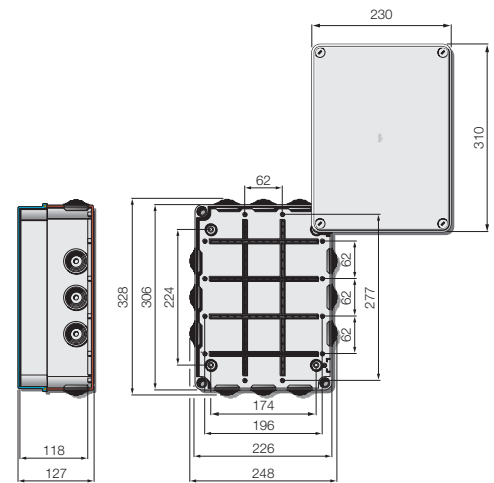
## V55109

IP55, cover with insulating material screws,  
RAL 7035 grey.  
Supplied with two hinges



## V55209

IP56, cover with insulating material screws,  
RAL 7035 grey.  
Supplied with two hinges



V55109  
V55209



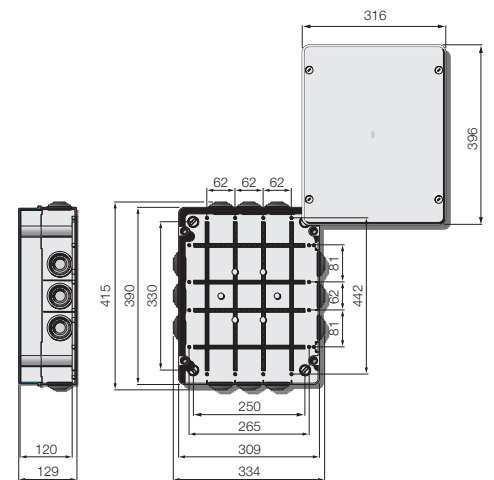
## V55110

IP55, cover with insulating material screws,  
RAL 7035 grey.  
Supplied with two hinges



## V55210

IP56, cover with insulating material screws,  
RAL 7035 grey.  
Supplied with two hinges



V55110  
V55210



Complete insulation with the use of screwcaps.



Captive, stainless steel screws, to ease installation and maintenance.



Ribs on the box bottom to accomodate terminal blocks and plates. Seat for the terminal for the continuity of the earth circuit.

# BOXES and CONSUMER UNITS



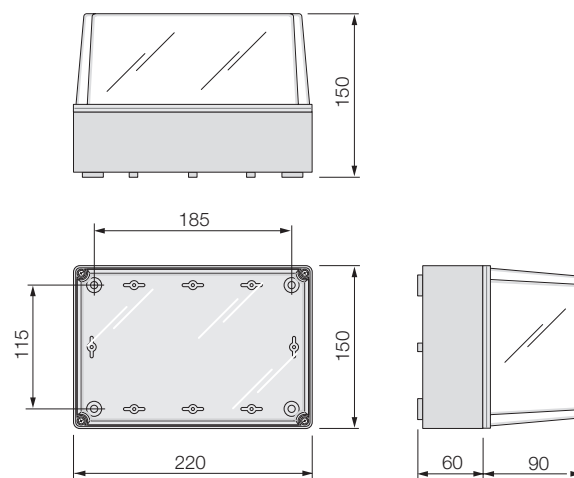
## Surface mounting junction boxes

Surface mounting junction box with undrilled walls and high cover



### V55218

IP55, cover with stainless steel screws, RAL 7035 grey

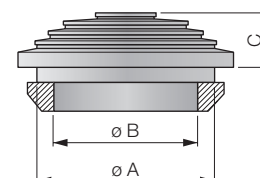


V55218

Surface mounting junction boxes								
Temperature during installation	Glow Wire Test (GW)	With cable entries	number of cable entries	cable max ø (in mm)	Undrilled walls and blind cover (IP56)	Undrilled walls and blind high cover (IP55)	Inner dimensions (in mm)	
-5 °C +60 °C	960 °C	snap fixing (IP44)	---	---	---	---	---	
		V55001*	---	4	ø 20	---	ø 65x35	
		V55002*	---	4	ø 20	---	ø 80x40	
		V55003*	---	6	ø 20	---	80x80x40	
		---	V55104*	6	ø 25	V55204*	100x100x50	
-15 °C +60 °C	650 °C	---	V55105*	6	ø 25	V55205*	120x80x50	
		---	V55106	10	ø 25	V55206	150x110x70	
		---	V55107	10	ø 32	V55207	190x140x70	
		---	---	---	---	V55218	220x150x150	
		---	V55108	12	ø 32	V55208	240x190x90	
		---	V55109	12	ø 40	V55209	300x220x120	
		---	V55110	12	ø 40	V55210	380x300x120	

\* For total insulation according to Standard EN 60439-1, insert a screwcap V55900 in every fixing hole, into the provided seat.

Cable entries										
Cable entry dimensions (in mm)	V55001	V55002	V55003	V55104	V55105	V55106	V55107	V55108	V55109	V55110
A	23	23	23	29	29	30	38	38	38	40
B	20	20	20	25	25	25	32	32	32	45
C	4	4	6	6	6	10	10	10	10	12



# BOXES and CONSUMER UNITS

## Flush mounting consumer units

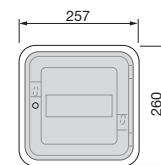
### IP40 flush mounting consumer units



**V53108**  
8 modules, delivered  
with DIN rail (60715 TH35),  
with transparent door, fumé



**V53108.B**  
8 modules, delivered  
with DIN rail (60715 TH35),  
blind white door



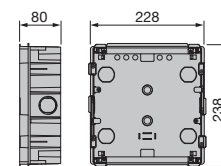
**V53108**  
**V53108.B**



**V53308**  
Mounting box for masonry  
- 8 modules, (GW 650 °C)  
Dissipated power: 18 W



**V53708**  
Mounting box for hollow walls  
- 8 modules, (GW 850 °C)  
Dissipated power: 18 W



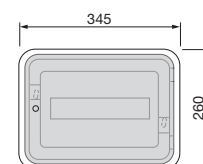
**V53308**  
**V53708**



**V53112**  
12 modules, delivered  
with DIN rail (60715 TH35),  
with transparent door, fumé



**V53112.B**  
12 modules, delivered  
with DIN rail (60715 TH35),  
blind white door



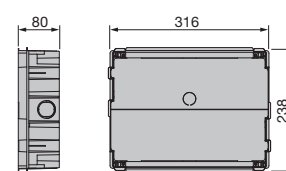
**V53112**  
**V53112.B**



**V53312**  
Mounting box for masonry  
- 12 modules, (GW 650 °C)  
Dissipated power: 22 W



**V53712**  
Mounting box for hollow walls  
- 12 modules, (GW 850 °C)  
Dissipated power: 22 W



**V53312**  
**V53712**

### IP40 flush mounting consumer units and boxes - Accessories

Consumer units		Boxes		Accessories	
Modules	Code	For masonry walls	For hollow walls	Special	Common
8	V53108	V53308	V53708	V53561 Terminal block for 8 modules	<b>V53597</b> Lock with key  <b>V53599</b> Blank strip  <b>V53595</b> Joint plate  <b>V53552...</b> Terminal block with screw
12	V53112	V53312	V53712	V53562 Terminal block for 12, 24 and 36 modules	
24	V53124	V53324	V53724	V53572 Dividing screen for 24 and 36 modules	
36	V53136	V53336	V53736	V53582 Pipe clamp flange for 12, 24 and 36 modules	
54	V53154	V53354	V53754	V53563 Terminal block for 54 and 72 modules	
72	V53172	V53372	V53772	V53573 Dividing screen for 54 and 72 modules	<b>V53552...</b> Terminal block with screw
				V53583 Pipe clamp flange for 54 and 72 modules	

# BOXES and CONSUMER UNITS

## Flush mounting consumer units

### IP40 flush mounting consumer units



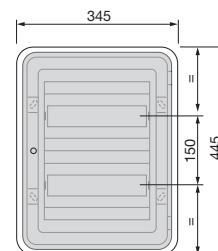
#### V53124

24 modules, delivered with DIN rail (60715 TH35), with transparent door, fumé



#### V53124.B

24 modules, delivered with DIN rail (60715 TH35), blind white door



#### V53124

V53124.B



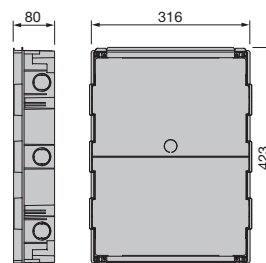
#### V53324

Mounting box for masonry - 24 modules, (GW 650 °C) Dissipated power: 40 W



#### V53724

Mounting box for hollow walls - 24 modules, (GW 850 °C) Dissipated power: 40 W



#### V53324

V53724



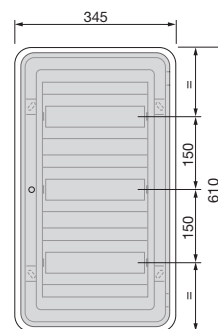
#### V53136

36 modules, delivered with DIN rail (60715 TH35), with transparent door, fumé



#### V53136.B

36 modules, delivered with DIN rail (60715 TH35), blind white door



#### V53136

V53136.B



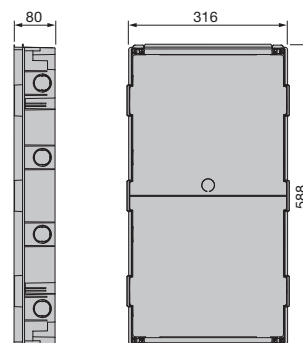
#### V53336

Mounting box for masonry - 36 modules, (GW 650 °C) Dissipated power: 50 W



#### V53736

Mounting box for hollow walls - 36 modules, (GW 850 °C) Dissipated power: 50 W



#### V53336

V53736

# BOXES and CONSUMER UNITS

## Flush mounting consumer units

### IP40 flush mounting consumer units



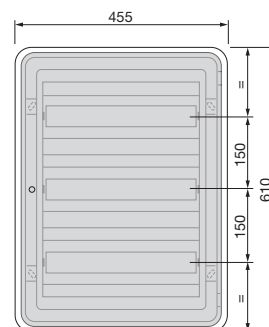
#### V53154

54 modules, delivered with DIN rail (60715 TH35), with transparent door, fumé

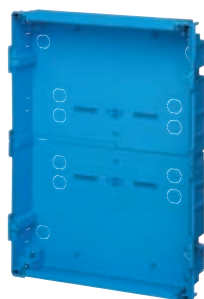


#### V53154.B

54 modules, delivered with DIN rail (60715 TH35), blind white door

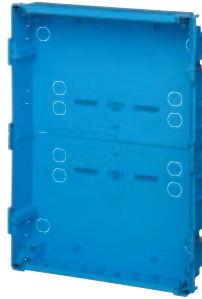


#### V53154 V53154.B



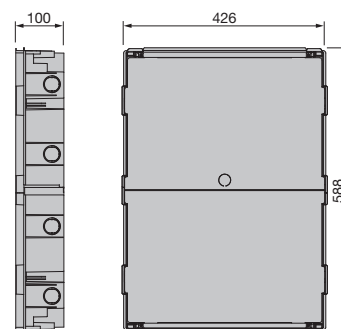
#### V53354

Mounting box for masonry - 54 modules, (GW 650 °C) Dissipated power: 63 W



#### V53754

Mounting box for hollow walls - 54 modules, (GW 850 °C) Dissipated power: 63 W



#### V53354 V53754



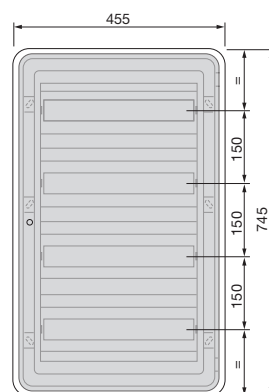
#### V53172

72 modules, delivered with DIN rail (60715 TH35), with transparent door, fumé



#### V53172.B

72 modules, delivered with DIN rail (60715 TH35), blind white door

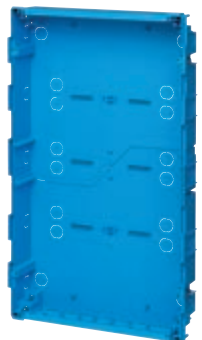


#### V53172 V53172.B



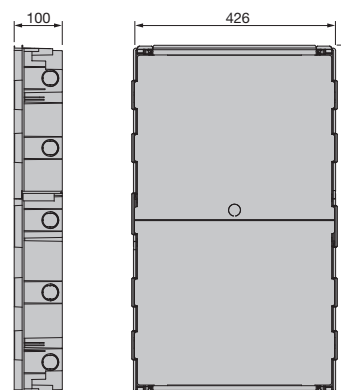
#### V53372

Mounting box for masonry - 72 modules, (GW 650 °C) Dissipated power: 82 W



#### V53772

Mounting box for hollow walls - 72 modules, (GW 850 °C) Dissipated power: 82 W



#### V53372 V53772

# BOXES and CONSUMER UNITS

## Accessories for flush mounting consumer units

### Accessories for IP40 flush mounting consumer units



**V53572**  
12-module removable dividing screen for 24- and 36-module consumer units, to fix to the box, yellow



**V53573**  
18-module removable dividing screen for 54- and 72-module consumer units, to fix to the box, yellow



**V53595**  
Joint plate for consumer unit boxes, for horizontal installation, yellow



**V53582**  
12-module removable pipe clamp flange useful for 12-, 24- and 36-module consumer units vertical installation, to fix to the box, yellow



**V53583**  
18-module removable pipe clamp flange useful for 54- and 72-module consumer units vertical installation, to fix to the box, yellow



**V53597**  
Metal lock with key. Supplied with 2 keys



**V53599**  
Blank strip for consumer unit, 500 mm length, white



**V53598**  
Blank module 4 modules DIN consumer unit, white



**03310.S**  
Frame for DIN devices, occupies 8 17,5 mm modules

### Terminal block holder for IP40 flush mounting consumer units



**V53561**  
Terminal block holder for 8-module consumer units, to fix to the box, grey



**V53562**  
Terminal block holder for 12-, 24- and 36-module consumer units, to fix to the box, grey



**V53563**  
Terminal block holder for 54- and 72-module consumer units, to fix to the box, grey



**V53552**  
Screw terminal block with 6 holes for consumer unit, to insert cable conduits from 1,5 mm<sup>2</sup> to 16 mm<sup>2</sup> diameter, snap fixing to the terminal block support, blue



**V53552.V**  
Screw terminal block with 6 holes for consumer unit, to insert cable conduits from 1,5 mm<sup>2</sup> to 16 mm<sup>2</sup> diameter, snap fixing to the terminal block support, green

# BOXES and CONSUMER UNITS

## Control panels for data distribution

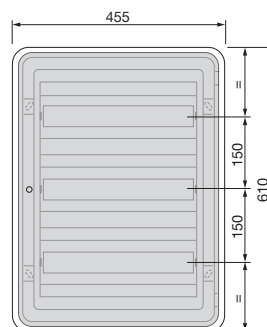
### Apartment signal distribution board (QDSA) - IP40



#### 03310

Apartment signal distribution board (QDSA), including:

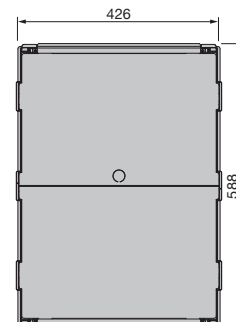
- flush mounting box V53354;
- white door;
- mounting frame for 16 RJ45 Keystone connectors or optical compasses;
- 5-output telephone multi-socket;
- pre-installed multiple socket outlet with switch;
- 3 mounting frames 03310.S;
- 3 m of Velcro tape;
- 6 connectors 03009.12
- 2 SC/APC fiber optic compasses;
- patch cords 03019.05 and 03113.SC



03310



V53354



### Optical Service Centre of the Building (CSOE) - IP40



#### 03130

Optical Service Centre of the Building (CSOE) aerial module for the management of apartment block services (TV SAT and DTV), white. Dimensions: 450x150x155 mm



#### 03131

Optical Service Centre of the Building (CSOE) distribution module for the management of 8 residential units, white. Dimensions: 450x150x130 mm

### Head terminal - IP65



#### 03134

Head terminal, set up for input of 2 cables and 12 fiber optics for several dimensions, degree IP65, grey RAL 7035. Supplied with safety locking key. Dimensions: 245x210x65 mm

### Apartment Optical Termination Boxes (STOA)



#### 03140.30

Apartment Optical Termination Box (STOA), set up with 4 SC/APC Simplex connectors, loose 9/125  $\mu$ m G.657.A2 mono-modal fiber optic cable with 8 fibres, sheath in LSZH, white - 30 metres

#### 03140.50

As above, 50 metres



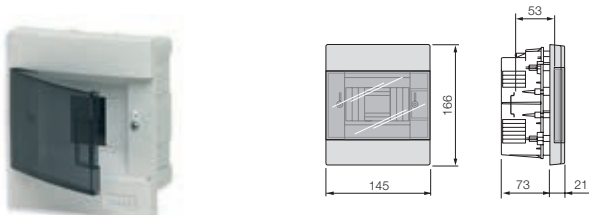
Device with open door.



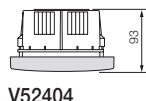
# BOXES and CONSUMER UNITS

## Flush mounting consumer units

### IP40 flush mounting consumer units with vertically hinged door



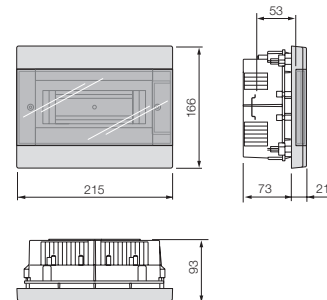
**V52404**  
4 modules, delivered with DIN rail (60715 TH35), RAL 9003 white, with transparent door, fumé.  
Dissipated power: 14 W



**V52404**



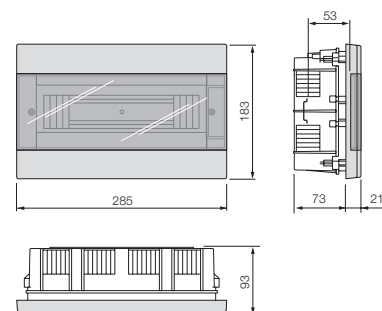
**V52408**  
8 modules, delivered with DIN rail (60715 TH35), RAL 9003 white, with transparent door, fumé.  
Dissipated power: 19 W



**V52408**



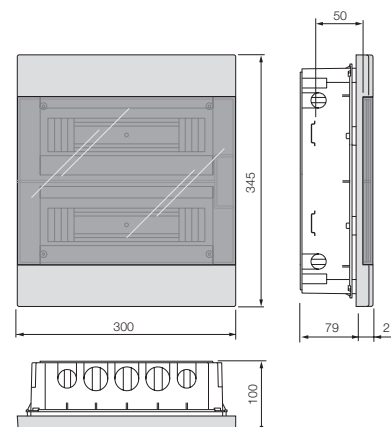
**V52412**  
12 modules, delivered with DIN rail (60715 TH35), RAL 9003 white, with transparent door, fumé.  
Dissipated power: 28 W



**V52412**



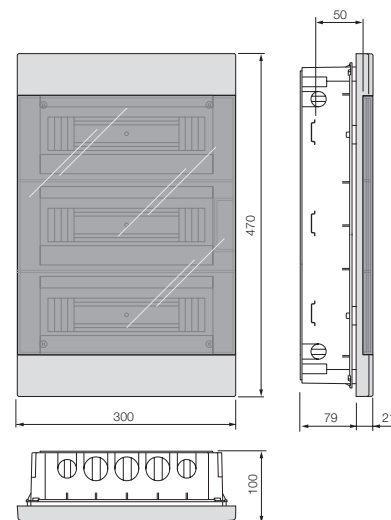
**V52424**  
24 modules, delivered with DIN rail (60715 TH35), RAL 9003 white, with transparent door, fumé.  
Dissipated power: 58 W



**V52424**



**V52436**  
36 modules, delivered with DIN rail (60715 TH35), RAL 9003 white, with transparent door, fumé.  
Dissipated power: 68 W



**V52436**

# BOXES and CONSUMER UNITS

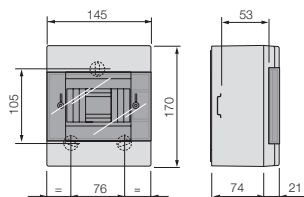
## Surface mounting consumer units

### IP40 surface mounting consumer units

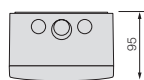


**V50405**

5 (4+1) modules, top and bottom knockouts, with DIN rail (60715 TH35), RAL 7035 grey, with transparent door, fumé. Dissipated power: 9 W

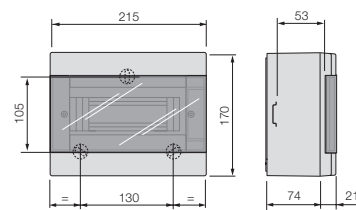


**V50405**

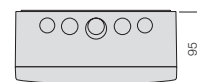


**V50408**

8 modules, top and bottom knockouts, with DIN rail (60715 TH35), RAL 7035 grey, with transparent door, fumé. Dissipated power: 12 W



**V50408**



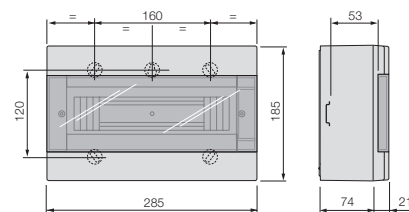
**V50412**

12 (12+1) modules, top and bottom knockouts, with DIN rail (60715 TH35), RAL 7035 grey, with transparent door, fumé. Dissipated power: 18 W



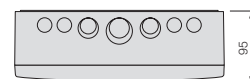
**V50312**

12 (12+1) modules, undrilled walls, with DIN rail (60715 TH35), RAL 7035 grey. Dissipated power: 19 W



**V50312**

**V50412**



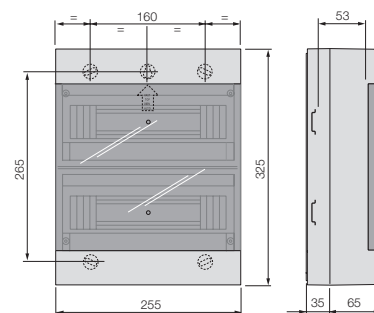
**V50424**

24 modules, top and bottom knockouts, with DIN rail (60715 TH35), RAL 7035 grey, with transparent door, fumé. Dissipated power: 31 W



**V50324**

24 modules, undrilled walls, with DIN rail (60715 TH35), RAL 7035 grey. Dissipated power: 37 W



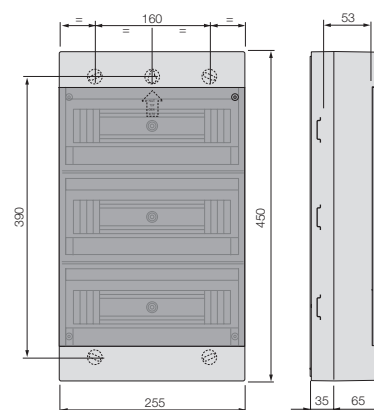
**V50324**

**V50424**

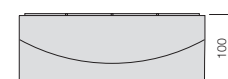


**V50436**

36 modules, top and bottom knockouts, with DIN rail (60715 TH35), RAL 7035 grey, with transparent door, fumé. Dissipated power: 37 W



**V50436**



# BOXES and CONSUMER UNITS

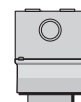
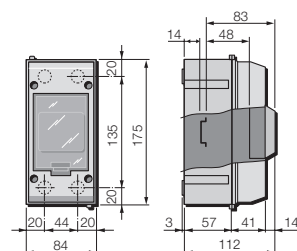
## Surface mounting consumer units

IP55 surface mounting consumer units with horizontally hinged door



### V51003

3 (1+2) modules, with screwcaps for double insulation, with DIN rail (60715 TH35), RAL 7035 grey, with transparent door, fumé. Dissipated power: 9 W

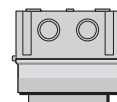
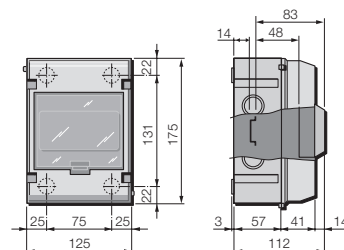


### V51003



### V51005

5 (4+1) modules, with screwcaps for double insulation, with DIN rail (60715 TH35), RAL 7035 grey, with transparent door, fumé. Pre-set for 2 supports for earth terminal blocks V51853. Dissipated power: 12 W

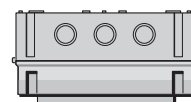
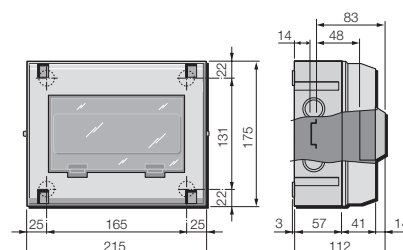


### V51005



### V51008

8 modules, with screwcaps for double insulation, with DIN rail (60715 TH35), RAL 7035 grey, with transparent door, fumé. Dissipated power: 21 W

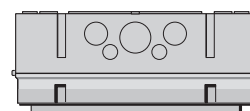
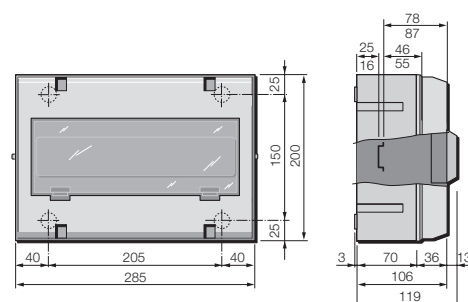


### V51008



### V51012

12+1 modules, with screwcaps for double insulation, with DIN rail (60715 TH35), RAL 7035 grey, with transparent door, fumé. Dissipated power: 26 W



### V51012

# BOXES and CONSUMER UNITS



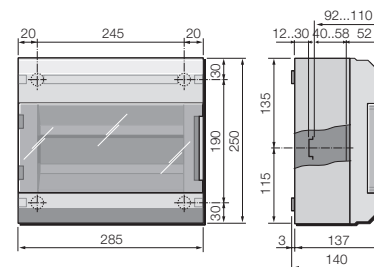
## Surface mounting consumer units

IP55 surface mounting consumer units with vertically hinged door



### V51112

12 modules, with adjustable DIN rail (60715 TH35) to accommodate non-standard products, RAL 7035 grey, with transparent door and screwcaps for double insulation. Dissipated power: 21 W

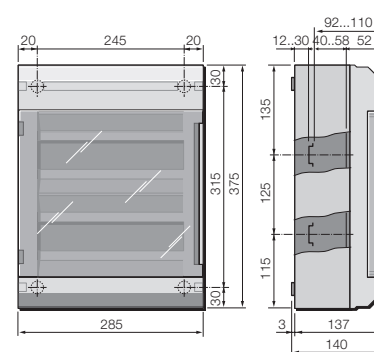


### V51112



### V51124

24 modules, with adjustable DIN rail (60715 TH35) to accommodate non-standard products, RAL 7035 grey, with transparent door and screwcaps for double insulation. Dissipated power: 27 W

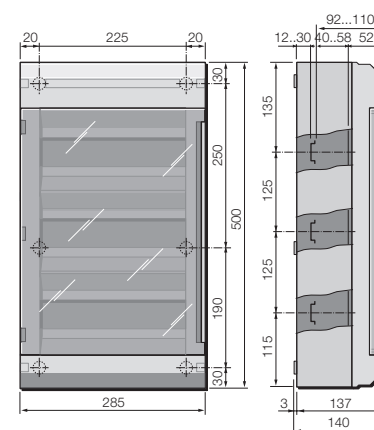


### V51124



### V51136

36 modules, with adjustable DIN rail (60715 TH35) to accommodate non-standard products, RAL 7035 grey, with transparent door and screwcaps for double insulation. Dissipated power: 32 W



### V51136

# BOXES and CONSUMER UNITS

## Surface mounting consumer units

### Supports on DIN (60715 TH35) rail installation



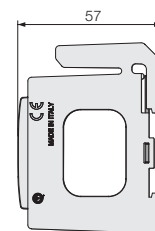
**V51921**  
1-module, occupies 1,5 17,5 mm modules, RAL 7035 grey.  
Provided with isolating lining



**V51922**  
2-module, occupies 3 17,5 mm modules, RAL 7035 grey.  
Provided with isolating lining



**V51923**  
3-module, occupies 4 17,5 mm modules, RAL 7035 grey.  
Provided with isolating lining



**V51921**  
**V51922**  
**V51923**

### Brass earth terminal blocks, with fixing screws



**V51808**  
2  $\varnothing$  6 mm terminals  
+ 6  $\varnothing$  4 mm terminals



**V51810**  
2  $\varnothing$  6 mm terminals  
+ 8  $\varnothing$  4 mm terminals

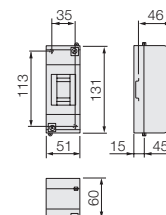


**V51816**  
4  $\varnothing$  6 mm terminals  
+ 13  $\varnothing$  4 mm terminals

### IP40 surface mounting cover



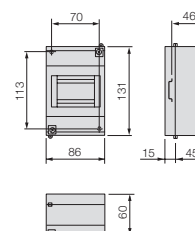
**V50002**  
2 (1+1) modules,  
RAL 7035 grey.  
Dissipated power: 5 W



**V50002**



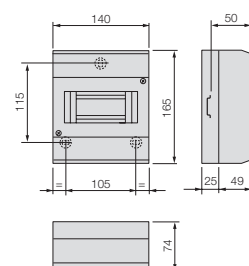
**V50004**  
4 (3+1) modules,  
RAL 7035 grey.  
Dissipated power: 7 W



**V50004**



**V50006**  
6 (4+2) modules,  
RAL 7035 grey.  
Dissipated power: 12 W



**V50006**

# BOXES and CONSUMER UNITS

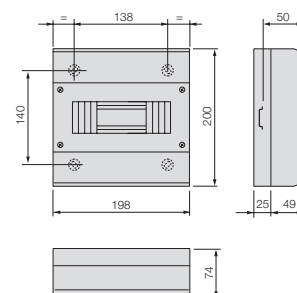
## Surface mounting consumer units

### IP40 surface mounting cover



#### V50008

8 (4+4) modules,  
RAL 7035 grey.  
Dissipated power: 21 W



V50008

Number and type of knockouts on surface consumer units and cover													
Article	ø opening (mm)	19	20	23	29	37	16 or 25	20 or 32	25 or 32	32 or 40	23 or 29	29 or 37	Knockout positions
	PG cut-outs	11	13,5	16	21	29	---	---	---	---	16 or 21	21 or 29	
V50002	front and back	---	---	n 2	---	---	---	---	---	---	---	---	
V50004	sides	---	---	n 2	---	---	---	---	---	---	---	---	
V50006	front and back	---	---	---	---	---	---	n 6	---	---	---	---	
	sides	---	---	---	---	---	---	n 4	---	---	---	---	
V50008	front and back	---	---	---	---	---	---	n 4	---	n 2	---	---	
	sides	---	---	---	---	---	---	n 4	---	---	---	---	
V50405	front and back	---	n 4	---	---	---	---	---	---	---	n 2	---	
	sides	---	---	---	---	---	---	---	---	---	---	---	
V50408	front and back	---	n 4	n 4	---	---	---	---	---	---	n 2	---	
	sides	---	---	---	---	---	---	---	---	---	---	---	
V50412	front and back	---	n 8	---	---	---	---	---	---	---	n 4	n 2	
	sides	---	---	---	---	---	---	---	---	---	---	---	
V50424	front and back	---	---	---	---	---	n 4	n 4	n 2	---	---	---	
	sides	---	---	---	---	---	---	---	---	---	---	---	
V50436	front and back	---	---	---	---	---	n 4	n 4	n 2	---	n 4	---	
	sides	---	---	---	---	---	---	---	---	---	---	---	
V51003	front and back	---	---	---	---	---	---	---	---	---	n 2	---	
	sides	---	---	---	---	---	---	---	---	---	---	---	
V51005	front and back	---	---	---	---	---	---	---	---	---	n 4	---	
	sides	---	---	---	---	---	---	---	---	---	n 4	---	
V51008	front and back	---	---	---	---	---	---	---	---	---	n 6	---	
	sides	---	---	---	---	---	---	---	---	---	n 4	---	
V51012	front and back	n 4	---	---	n 4	n 2	---	---	---	---	---	---	
	sides	---	---	---	---	---	---	---	---	---	---	---	
V51112	front and back	---	---	---	---	---	---	---	---	---	n 8	n 2	
	sides	---	---	n 4	---	---	---	---	---	---	---	---	

**Note.** No knockouts on surface consumer units without door.





---

Temperature control and energy management

from page 144

---

Temperature control in the service sector

from page 146

---

Video door entry in residential sector

from page 148

---



EnOcean smart devices

from page 150

---



ZigBee smart devices

from page 152

---

Access control for service sector applications

from page 154

---

Data distribution and multimediality in the service sector

from page 156

---



Plug&Play basic home automation system

from page 158

---

## Temperature control and energy management

### 80 m<sup>2</sup> apartment with devices for temperature control and energy monitoring via touchscreen timer thermostats.

Thermostats and timer-thermostats with intuitive controls and highly sensitive capacitive touchscreen displays are used to control the temperature easily and completely, displaying consumption and helping energy savings using energy meters for DIN rails and system operation hour metering. The example illustrates a traditional temperature control system (with zone valves and a condensation boiler), which also has a photovoltaic system producing renewable electricity.

- Three 02955.B 3-module touchscreen timer thermostats are installed, connected to three 02960 energy measuring modules that measure the energy produced by the photovoltaic panels, the energy consumed by the appliances and electrical loads connected to the same line as well as the energy exchanged with the mains for operating the system.
- The values of instantaneous power and cumulative energy (and the voltage values) are shown individually on the displays of the touchscreen timer thermostats in the living room, in the kitchen

and on the electrical cabinet; the timer thermostat in the kitchen can also have an acoustic warning enabled that on exceeding the contractual power usage threshold warns the user about the exchange meter probably cutting off power due to excess draw from the mains. All the devices are provided with the **Ecometer function** that ensures a more rational use of energy in the building for greater energy and economics savings.

- A touchscreen thermostat 02950.B is installed in the bedroom, connected to an 14432 NTC probe for measuring the bathroom temperature.
- In one of the bedrooms there is a second electronic touchscreen thermostat (02950.B) connected to the NTC wire sensor 02965.1 for measuring the external temperature.
- A control in the entrance enables, via the configurable multifunction inputs of the devices, centralized control of the set-points of the various zones (switching on in comfort mode or nighttime reduction).



Touchscreen electronic timer-thermostat with **Ecometer** function; it enables viewing the energy produced.



Power meter with built-in current sensor.



Touchscreen electronic thermostat; it enables viewing also the temperature measured by the sensor installed in another room.



Electronic temperature sensor.



#### How to do it:

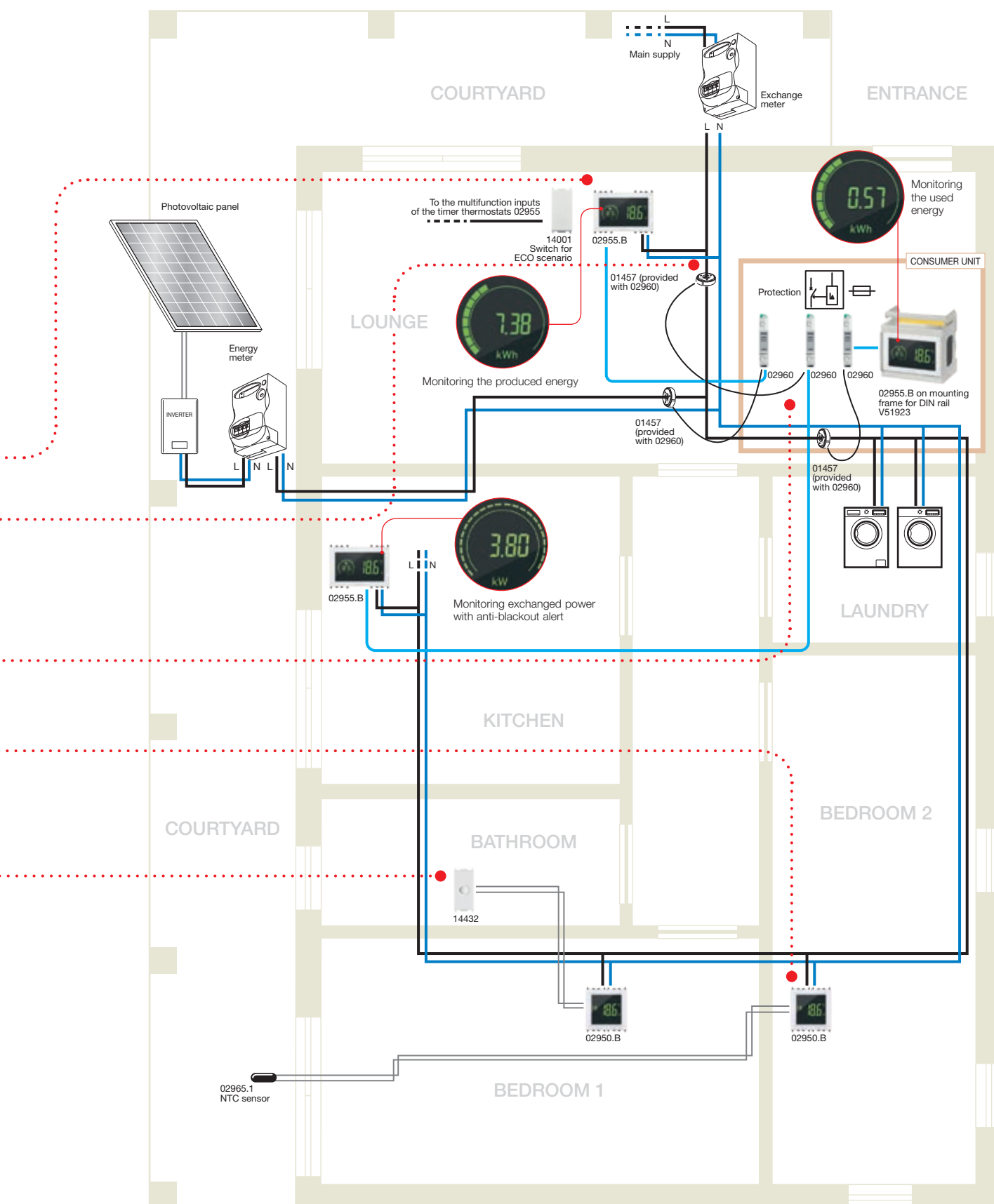
Visit the website [www.vimar.com](http://www.vimar.com), section "Support / Video tutorials / HVAC", to watch the video tutorial:

- "3-module flush mounting touch timer-thermostat Code 02955 - Climate Control";
- "3-module flush-mounting touch timer-thermostat Code 02955 - Supplementary Functions";
- "3-module flush mounting touch timer-thermostat Code 02955 - Energy Management".



## Temperature control and energy management

Typical system: 80 m<sup>2</sup> apartment with devices for temperature control and energy monitoring via touchscreen timer thermostats.



## Temperature control in the service sector

### School with temperature control devices for activating zone valves and electronic temperature and humidity sensors interfaced with the water temperature control system.

This example illustrates a temperature control system in a school with the possibility of centralized control of the various areas of the building through the zone thermostats with relay output.

The colour backlit capacitive touchscreen thermostats allow **heating/air-conditioning control** with **On/Off** or **PID** actuation. They are equipped with a **multi-function input** that can be configured to activate nighttime reduction mode or control with comfort set-point or to reverse the summer/winter operating mode; they are provided with an external temperature electronic sensor input.

- The touchscreen thermostats (art. 02950.BN) are installed in the administration office, classrooms, multimedia room and library. All the devices in the common areas can be locked by a PIN:

in this way, students can be prevented from accessing device configuration, the operating mode and the temperature range that can be set via the user interface is limited.

- In addition, in the administration office, it is connected to a centralized On/Off control (art. 14001.SL) for general manual shutdown of the system when closing the school or for activating nighttime reduction after class for energy savings. Alternatively a programmable time switch (art. 14448.SL) could be installed for programming the operating times/nighttime reduction.
- In the corridor, bathroom or library there are electronic temperature sensors (art. 14432.SL) and electronic humidity sensors (art. 14433.SL) that, interfaced with the plumbing system, enable keeping the environmental parameters under control.



Touchscreen electronic thermostat and centralized button for activating temperature control in comfort mode.



Electronic temperature sensor.



Touchscreen electronic thermostat; it enables viewing also the temperature measured by the sensor installed in another room.



Electronic active humidity sensor.



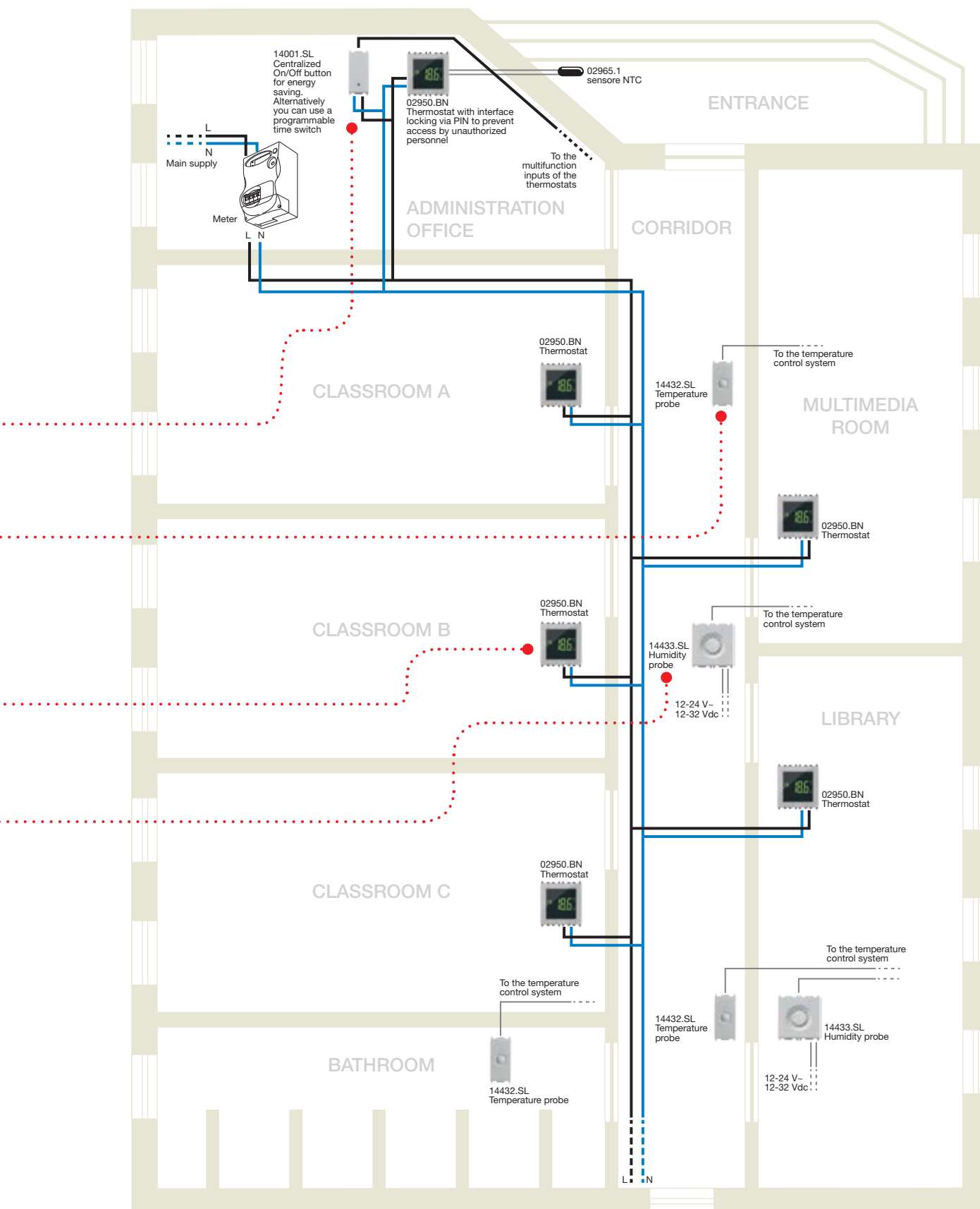
#### How to do it:

Visit the website [www.vimar.com](http://www.vimar.com), section "Support / Video tutorials / HVAC", to watch the video tutorial: **"2-module flush mounting touch thermostat Code 02950"**.



## Temperature control in the service sector

Example of a system in a school with temperature control devices for activating zone valves and electronic temperature and humidity sensors interfaced with the temperature control system.



## Video door entry in the residential sector

### 80 m<sup>2</sup> apartment with video entryphone system.

Vimar offers a wide range of devices for the Due Fili Plus video entryphone system, coordinated with the Eikon, Arké and Plana series. In addition to providing the video entryphone function, **the 10" and 4.3" video touch screens are arranged for advanced functions that can be integrated** into a possible By-me home automation system.

The example illustrates a Due Fili Plus video entryphone system in an 80 m<sup>2</sup> apartment with entrance panel and two internal video entryphones.

- The living room has the **21554.B 4.3" colour touch screen** which, in addition to displaying an external call or communicating with the call button on the landing, can be used to open the electric lock or turn on the staircase light.
- There is a second **21554.B 4.3" colour touch screen** in the kitchen.
- It is possible to answer the external call, open the door or switch on the staircase lights from the flush mounting 3-module **14557 speakerphone audio door entry unit** from the bedroom.
- The **14577 call button** is installed on the landing.



4.3" Full Flat colour touch screen with "video call" display.



Speakerphone.



Call button.

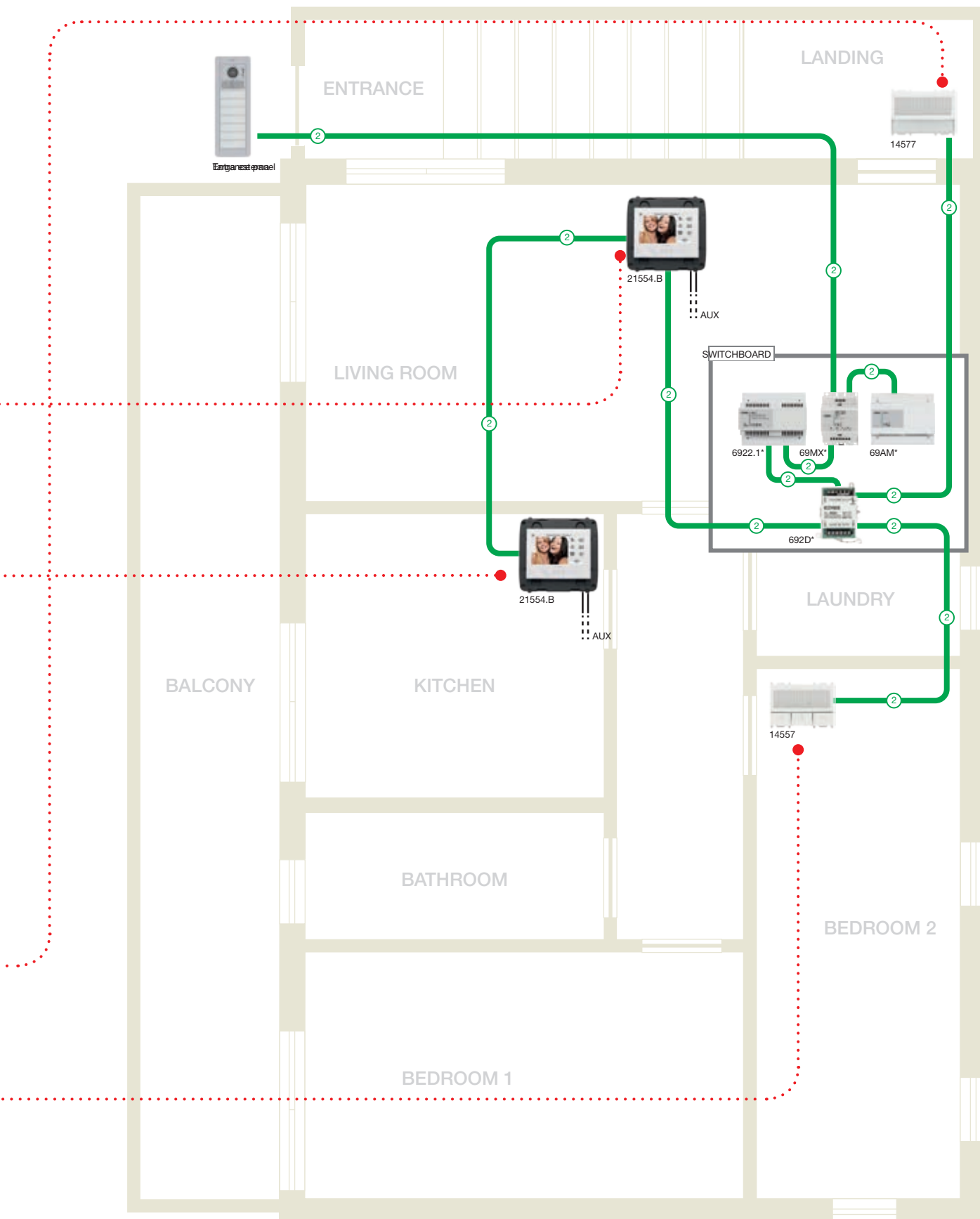
#### What to do:

For more details on device installation and configuration, refer to the documentation available in the Products section on the website [www.vimar.com](http://www.vimar.com).



# INSTALLATION EXAMPLES

## Video door entry in the residential sector





### 80 m<sup>2</sup> apartment with EnOcean radio frequency controls for controlling lights or generic loads.

The **EnOcean** radio frequency devices are ideal for adding control and actuation functions in new or existing systems, without the need for any masonry work.

In **new systems**, for applications on materials that would make installation difficult, if not impossible, with flush mounting boxes (glass, wood, reinforced concrete) or on structures that have to be left intact in order to maintain the thermal insulation required in modern buildings.

In **existing systems**, due to lack of arrangements or due to architectural constraints of historic buildings.

Benefits offered by Vimar devices with **EnOcean technology**:

- no radio interference in reception or in transmission, thanks to the robust protocol and low electromagnetic emissions (the lowest of the radio technologies currently available on the market);
- no maintenance on the controls for replacing batteries: the controls work without batteries, using the energy generated by pressing the button;
- each single control is designed to govern two different independent electrical loads;
- aesthetic coordination of the controls with Eikon, Arké and Plana;
- can be installed on smooth surfaces with the special mounting

frames, or in flush mounting boxes on standard mounting frames;

- the actuator can also act as a repeater by receiving the signal from the control and transmitting it to a second actuator on which it is configured;
- the actuator can also work as a switch for a mixed wired and radio frequency system.

The example illustrates EnOcean devices installed in an apartment, where it is possible to switch loads On/Off, with 03955 controls and 01796.1 actuators:

- a single control at the entrance is used to manage the three lights in the living room, kitchen and corridor, thus creating Entry and Exit scenarios. In fact, the actuator in the living room is also configured as a signal repeater for the actuator in the kitchen, and this in turn, as a repeater for the actuator in the corridor;
- the Wi-Fi access point located in the study is activated with a radio frequency control placed on the desk;
- in the bedroom, the light is managed by two switches, an inverter and an EnOcean radio frequency control integrated into the wired system;
- there is also a control installed in the bedroom, which communicates with the EnOcean actuator to activate the LED strip inside the walk-in wardrobe.



Plana Silver radio frequency control with Entry/Exit scenario configuration.



Plana Silver radio frequency control for switching living room lights On/Off and brightness adjustment



Plana Silver radio frequency control for switching Wi-Fi access point On/Off and light adjustment.

#### What to do:

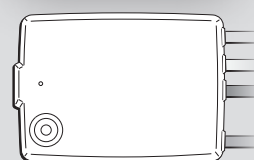
**Touch button (learning button).** By pressing the touch button for 8 seconds, the actuator enters the learning phase and signals this condition by switching the relay output intermittently. When a button on the 03955 control is pressed, it is stored and the output stays active for a few seconds and then resumes switching; on pressing the touch button, or after about 15 seconds of inactivity, the actuator exits the learning phase.

**Configuring the actuator as a repeater.** Press the touch button for 15 seconds and then release it; select the repeater type (mode 2 or mode 3) by pressing the touch button again and confirm the setting by pressing the button for 5 seconds.

**Memory deletion.** Pressing the touch button for 12 seconds deletes all stored data and the actuator directly enters the learning phase (see previous point). The actuator with EnOcean module is able to receive the radio signal of a command sent by an EnOcean button (03955) and control the load connected to its relay output. If there is no mains power supply, the actuator keeps the previous configuration.



1-relay actuator with EnOcean module



Touch button on the back of device.

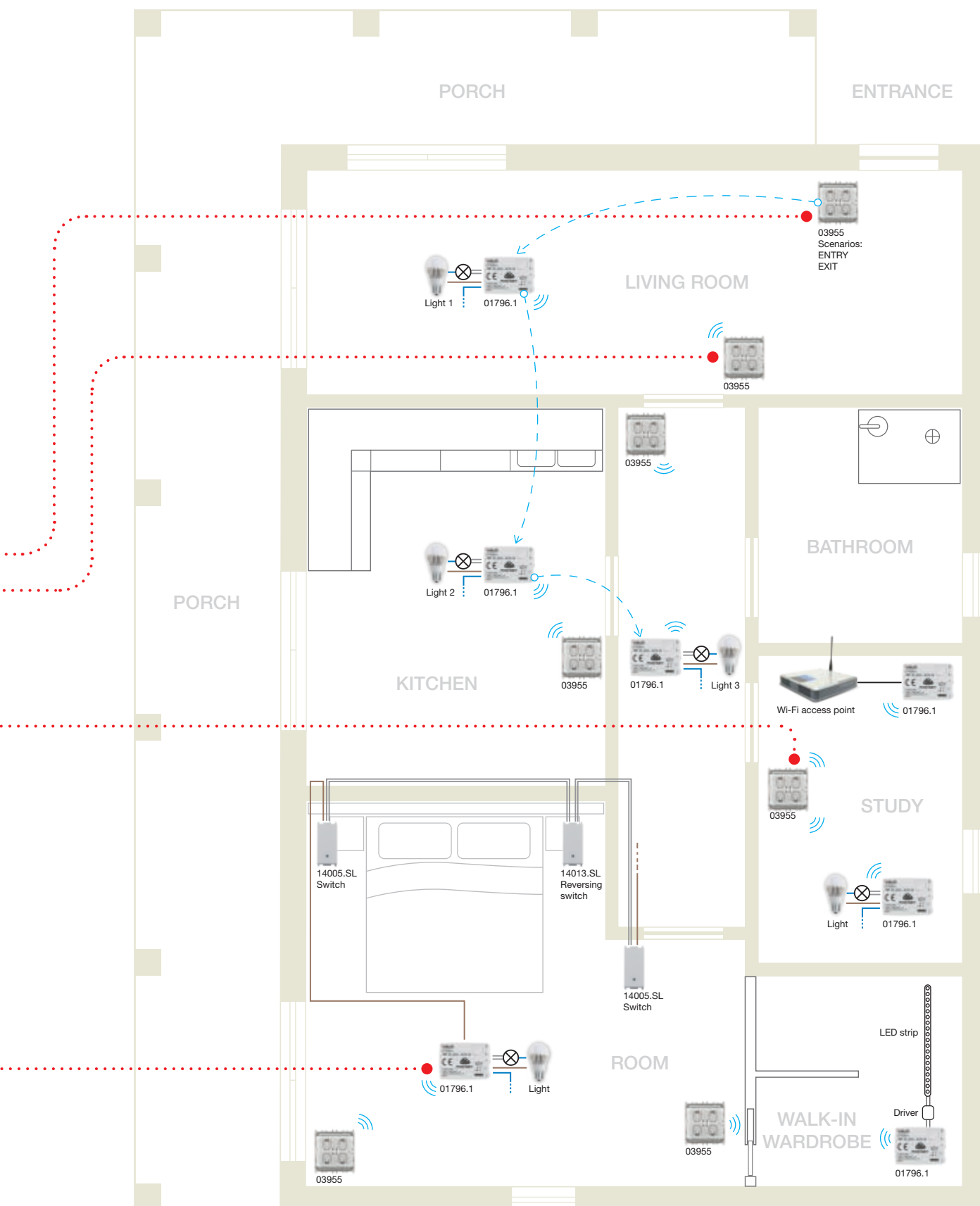
# INSTALLATION EXAMPLES



EnOcean smart devices



Typical system: 80 m<sup>2</sup> apartment with EnOcean radio frequency controls for controlling lights or generic loads.



## 80 m<sup>2</sup> shop with ZigBee radio frequency controls for controlling lights.

In the professional sector (offices, meeting rooms, corridors and open space areas), and sometimes in the residential sector, lighting technology solutions that favour energy saving are spreading thanks to the use of presence and brightness sensors that can switch a light on/off and adjusting its brightness. Offering lower installation costs, for both renovations and new systems, sometimes wireless solutions are used because they reduce installation times and wiring, and are flexible regarding any subsequent modifications.

Among the various radio technologies that can meet these needs is ZigBee, a new protocol for lighting control that is spreading rapidly thanks to the combination of energy harvesting techniques with energy generation mechanisms that do not use batteries.

The **ZigBee Green Power certified radio control** is able to send the signal using the energy generated by pressing the buttons; therefore batteries, which would require replacement and disposal, are not needed.

Featuring minimal protrusion, the control coordinates with the modern design of Arké, goes perfectly with the style of any setting and is the ideal solution for those seeking practicality, freedom of installation and versatility: in fact, this device can be placed almost anywhere, even on surfaces such as glass or wood. All without

requiring any masonry work, as flush mounting boxes are not needed.

The **control is compatible** with other products bearing the indication “Works with EasyAir”, which means that it **can be used in combination with EasyAir radio sensors/actuators** (incorporated into many professional devices available on the market), e.g. for applications where a lamp or group of lamps must react to movement or variations in brightness.

Once coupled to the actuators that manage the lamps, the functions for On/Off and brightness (left button) and recalling two predefined light scenarios on the actuators/receivers (right button) are immediately available.

The control can be completed with 1-module buttons to exploit all of the functions available, or with 2-module buttons, limiting control to just On/Off (and brightness adjustment) or the recall of two scenarios.



Plana radio frequency control for controlling lights in the two windows.



Plana radio frequency control for controlling lights in the display area and scenario activation.

### What to do:

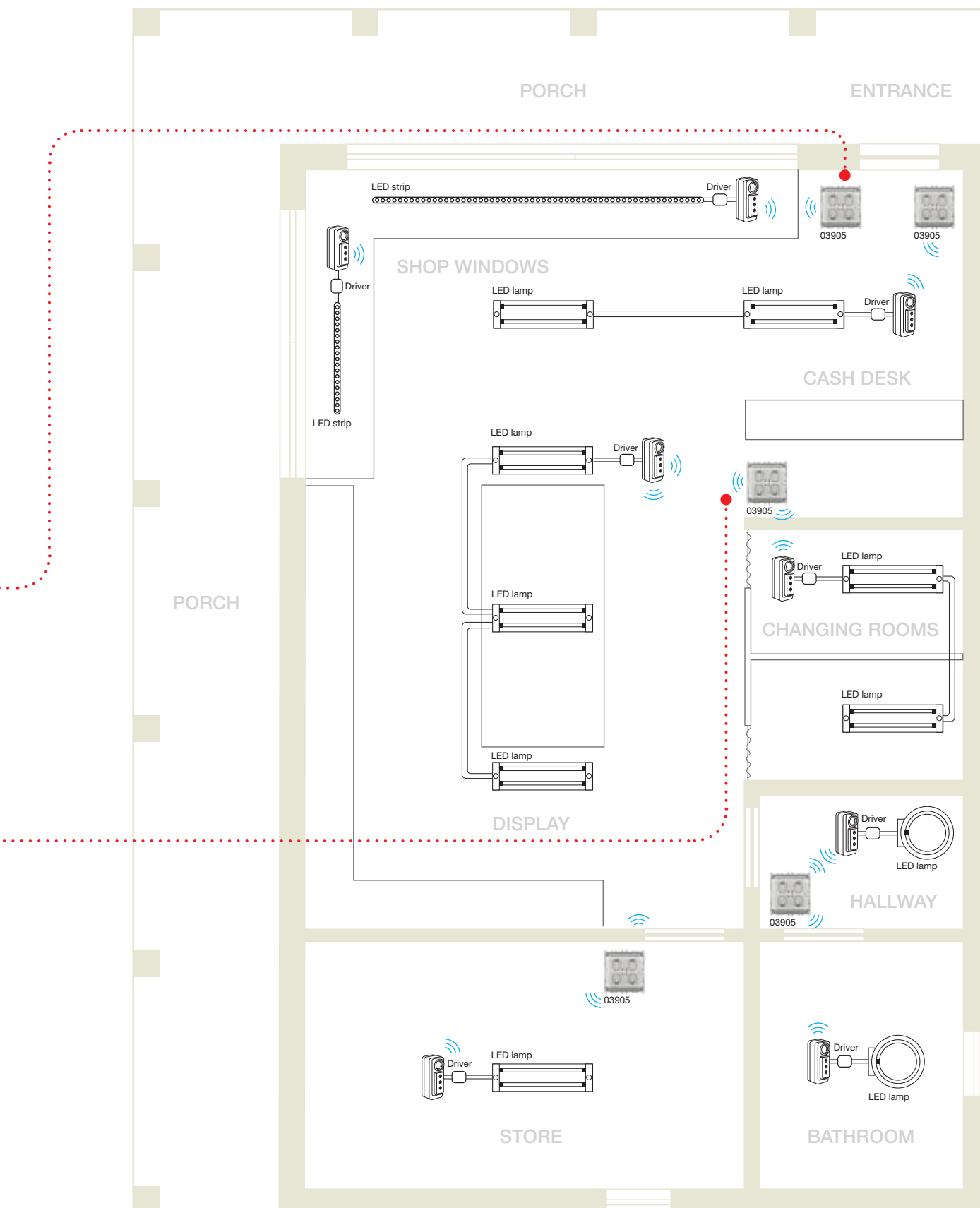
For more details on device installation and configuration, refer to the documentation available in the Products section on the website [www.vimar.com](http://www.vimar.com).



# INSTALLATION EXAMPLES

## **zigbee** ZigBee smart devices

Typical system: 80 m<sup>2</sup> shop with ZigBee radio frequency controls for controlling lights via EasyAir actuator/receiver sensor (third parties).



## Access control in tertiary sector

### Holiday farm with stand alone access control system.

The **stand-alone access control system** is the standard solution for hospitality facilities (small holiday farms, youth hostels, etc.) requiring limited functions.

In this solution, the doors/electric locks are opened directly by the relay mounted on the reader/programmer.

The relay can operate in 3 different modes:

1. pulse (monostable timed-flash mode): inserting the smart card causes the relay contact to close for approximately 3 seconds;
2. step-step (bistable-toggle mode): inserting the smart card causes the relay contact to switch according to the cyclical contact open/contact closed sequence;

3. as an electronic switch: inserting the smart card causes the relay contact to close; it opens on extracting the smart card (you can choose between opening delayed by 50 seconds or instantaneous)

The example shows:

- smart card readers 14461.SL installed outside the rooms that open the door (electrical lock) on inserting the enabled card;
- switches with vertical pocket 14465.SL installed inside the rooms that enables the utilities (lights and power sockets) on inserting the smart card provided to the guest.



Switch with vertical pocket with smart card inserted.



Smart card reader.

#### How to do it:

Access configuration is possible in 2 modes:

1. with no MASTER smart card (1 level): any operation (initialization, encoding, duplication, deletion, code changing, reader synchronization) can be carried out by all the enabled smart cards.
2. with MASTER smart card (2 levels): any operation (initialization, encoding, duplication, deletion, code changing, reader synchronization) needs a smart card coded as a MASTER to be carried out.

The smart card is an electronic key that can save 15 randomly generated codes in 15 separate addresses, at the time of programming, with 4,29 billion combinations for each one of them. By using 4 DIP switches on the back of the reader/programmer, you can select the desired address and configure access to the rooms. This allows the smart card to be paired with 15 different addresses (or accesses). Multiple readers can have the same address and the same code: in this case multiple accesses can be enabled using a single address.



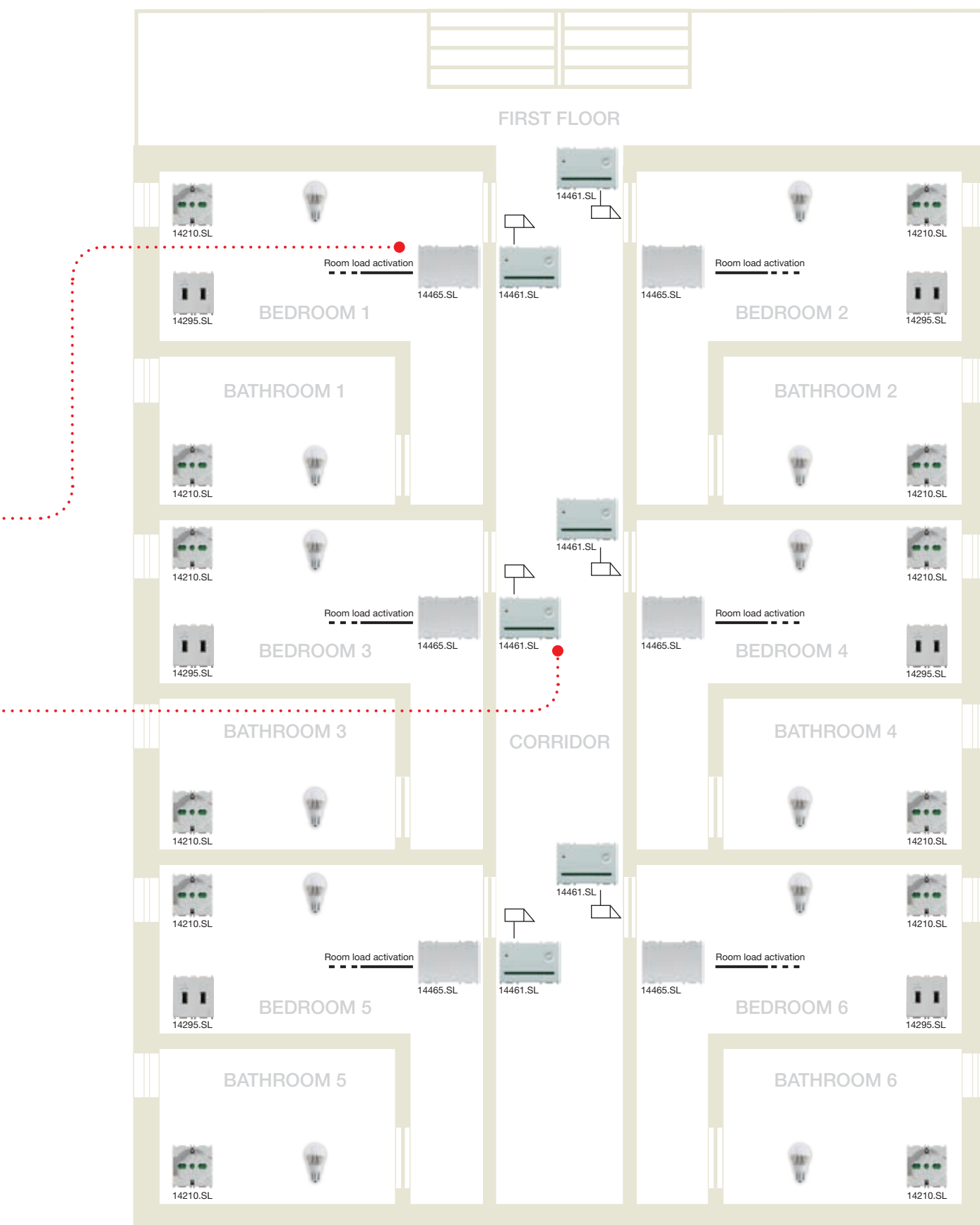
Smart card

For more information, refer to the manual for article 16461.

# INSTALLATION EXAMPLES

## Access control in tertiary sector

Typical system: holiday farm with stand alone access control system.



### Sales department with data distribution system and multimedia sockets.

Vimar offers a wide range of signal sockets for data transfer for both copper and fibre optic networks, as well as telephone, TV, FM, SAT, USB, RCA and HDMI sockets, coordinated with the Eikon, Arké, Idea and Plana series.

**Netsafe** is the Vimar structured cabling system for connecting the entire building in a network (Cat. 5e, Cat. 6 and Cat. 6A shielded or unshielded).

The example shows a data distribution system and multimedia sockets in a commercial building with three offices, a multimedia room, a meeting room and a reception area.

- The reception area has a data socket for connecting a PC to the network, an RJ45 data socket, a telephone socket outlet and a USB socket outlet for charging electronic devices.
- The reception area gives access to the utility room, where a flush mounting signal distribution board (QDSA) is installed; this conveys the building data network into the single unit and contains the Wi-Fi access point.

- There is also a Netsafe cabinet containing the patch panels for distribution of the various data signals.
- In the three offices there are from two to four workstations with respective data, telephone and HDMI sockets and a Wi-Fi access point.
- Installed in the multimedia room there are 2 flush mounting speakers, 8 modules (4+4) and 2 connectors for additional speakers, data, telephone, HDMI, RCA, VGA and TV-SAT-FM sockets for the connection of Hi-Fi or video projection devices, a USB socket for charging smartphones and tablets and a Wi-Fi access point.
- The meeting room is equipped with data and telephone sockets to connect laptops, and a Wi-Fi access point.



HDMI socket and Wi-Fi access point.



USB sockets, socket for fibre optics connector and RJ45 socket.



RCA socket and VGA socket.



Sockets for speakers and TV-SAT-FM socket.

#### What to do:

For more details on device installation and configuration, refer to the documentation available in the Products section on the website [www.vimar.com](http://www.vimar.com).

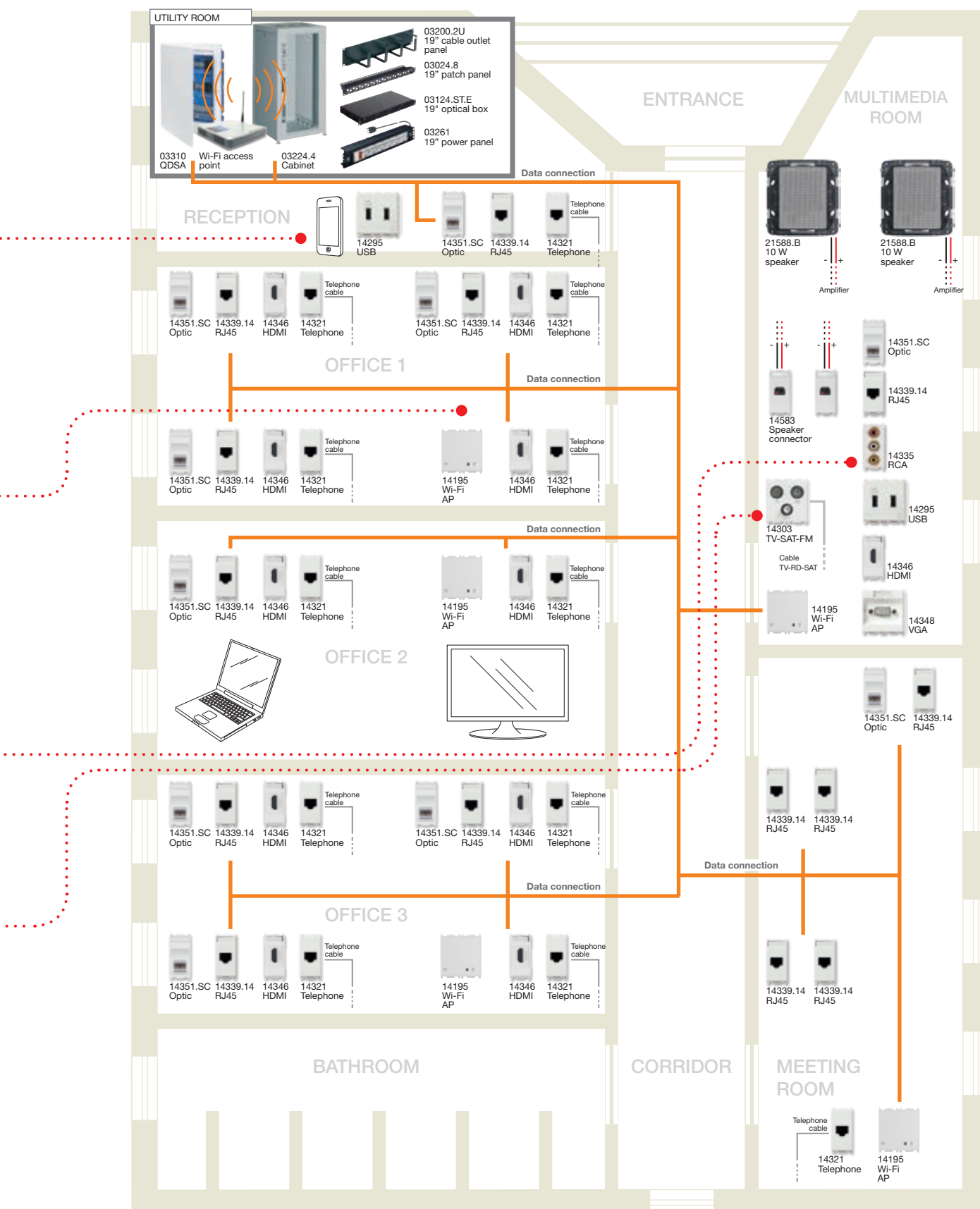




# INSTALLATION EXAMPLES

## Data distribution and multimedia functionality in the tertiary sector

Typical system: sales department with data distribution system and multimedia sockets.



## Plug&Play basic home automation system

### Apartment with a basic home automation system

#### Plug & Play for controlling lights and roller shutters.



Vimar offers smart solutions to enhance the home: preconfigured devices, which do not require any specific programming and make it possible to transform a traditional system into a small home automation system dedicated to controlling lights and roller shutters; they can be installed in "star point" or "distributed" systems, in existing environments or in renovation of residential and small-scale service sectors.

And thanks to their versatility, they can be integrated into the most advanced By-me home automation system. Available for installation on DIN rail (60715 TH35) or flush mounted, these devices have pre-programmed inputs and outputs that activate various lights and roller shutters control functions.

The advantages deriving from the use of the Plug & Play home automation system are many:

- **simplicity of installation:** the devices do not require particular technical expertise, it is necessary to connect the buttons to the inputs and the loads to the outputs.
- **simplicity of activation:** the preconfigured devices make the installer's life simple because they do not require any configuration.;
- **simplicity of maintenance:** quick and carried out at a single point, on the main control unit;

- **Flexibility:** the Plug & Play devices can be applied to existing systems or systems under reconstruction, both in residential and small-scale service sectors;
- **scalability:** these devices are conceived for basic control of lights and roller shutters, but they can also be integrated in the By-me home automation system and thus expand the system functions.

The example shows a typical apartment where an electrical panel installation was carried out with two DIN rail devices (60715 TH35) (art. 01470), the first one configured to control 8 lights (kitchen, corridor, bedrooms and bathroom) and the second to control 4 slat roller shutters (kitchen, bedrooms and bathroom).

In the living room, three flush mounting devices have been installed:

- one art. 01477 for controlling one light, with parallel connection of two buttons;
- one art. 01476 for controlling a slat roller shutter;
- one art. 01475 for controlling roller shutters "UP/DOWN" and "OFF lights, roller shutters DOWN" scenarios.



Switch for light control



Switch for roller shutters UP/DOWN scenarios and switch for Lights OFF and Roller shutters DOWN scenario



#### How to do it:

Visit the website [www.vimar.com](http://www.vimar.com), section Support/Video tutorial/Tutorial to watch the video tutorial:

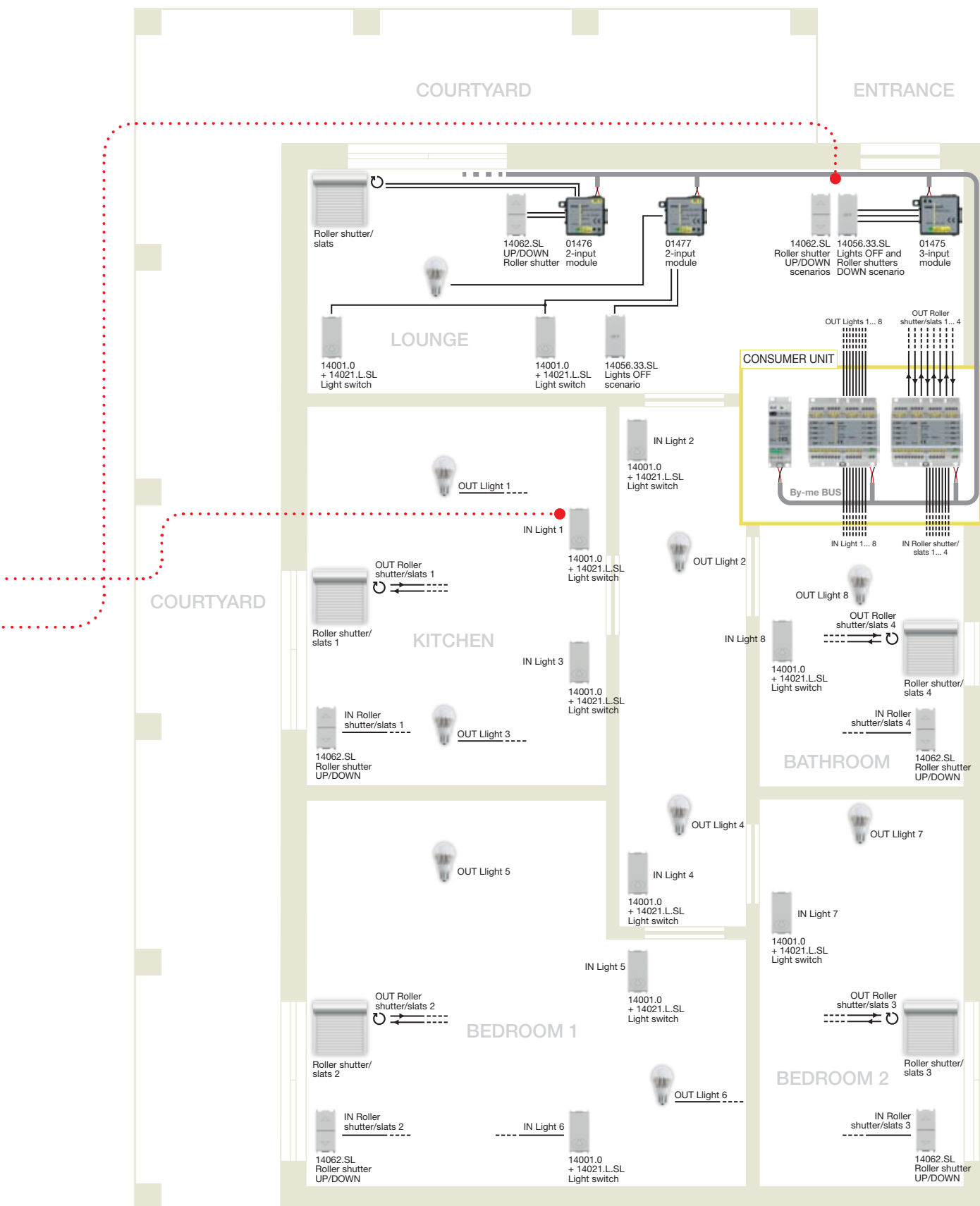
**"Plug&Play home automation - Commissioning of devices preconfigured for lights/roller shutters with general OFF scenario".**



# INSTALLATION EXAMPLES

## Plug&Play basic home automation system

Typical system: apartment with Plug & Play basic home automation system for lights and roller shutter control.







B.C18031 EN 1808  
8 007352 595514



Viale Vicenza, 14  
36063 Marostica VI - Italy  
Tel. +39 0424 488 600  
Fax +39 0424 488 709  
[www.vimar.com](http://www.vimar.com)