

Eikon	Arké	Idea	Plana
20592.0	19592.0 19592	16492	14592.0 14592

20592.0-19592.0-14592.0: View Wireless electronic switch mechanism with 100-240 V 50/60 Hz relay output for 500 W incandescent lamps, 100W LED lamps, 250 VA electronic transformers, 120 W fluorescent lamps, local or remote control, double IoT technology on Bluetooth® technology 5.0 standard for the creation of View Wireless mesh system and on Zigbee 3.0 standard, 1 input for external button for actuator control or to recall a scenario, RGB LED visible in darkness with brightness control, 100-240 V 50/60 Hz power supply, to be completed with 1- or 2-module interchangeable buttons.

19592-16492-14592: As above, complete with button.

The electronic switch mechanism connected is designed to operate a load via on-board push button, through a wireless connection and from a traditional remote push button. The device has the possibility of being controlled with two different radio standards (exclusive to one another): Bluetooth mesh (default) or Zigbee (which can be set via the View Wireless App). The Bluetooth mesh network implies the presence of gateway 20597-19597-16497-14597 while for the dialogue via Zigbee a Zigbee gateway is required (such as Amazon Echo Plus, Echo Show or Echo Studio). The device is equipped with:

- 2 interlocked relay outputs to accomplish the switch function;
- front key to control the connected load.

It performs the automatic opening of the relay for thermal protection. Switching on zero crossing. The electronic switch can be connected to existing wired multi-way/two-way switches to make the load function "connected".

IMPORTANT: the electronic switch must be powered with the same L and N that power the load. In the event of installation with wired multi-way/two-way switches, the electronic switch should be connected so that it is always powered and therefore should be installed instead of the wired two-way switch furthest from the load.

FEATURES.

- Rated supply voltage: 100-240 V~, 50/60 Hz.
- Dissipated power: 0.55 W
- RF transmission power: < 100mW (20dBm)
- Frequency range: 2400-2483.5 MHz
- Terminals:
 - 2 terminals (L and N) for line and neutral
 - 1 terminal (P) for connection to the remote wired control (for instance art. 20008-19008-16080-14008). The max distance between the IoT device and the push button is 50 m with a cable with a minimum cross-section of 1.5 mm².
 - 2 terminals (1 and 2) for the switch output
- Front key that is used both to control the load and as a configuration push button.
- RGB LED indicating the load status (which can be set from the View Wireless App) and the configuration status (flashing blue)
- In Bluetooth technology mode, you can associate up to 2 devices art. 03925 which make it possible to control the actuator or activate a scenario.
- Operating temperature: -10 ÷ +40 °C (indoor)
- Protection degree: IP20
- Configuration from View Wireless App for Bluetooth technology system and Amazon App for Zigbee technology.
- Controllable from View App.

CONTROLLABLE LOADS.

For correct load state signalling, connect a 2 W minimum load.

Loads massimi				
100 V~	250 W	50 W	60 W	125 VA
240 V~	500 W	100 W	120 W	250 VA

OPERATION IN Bluetooth technology MODE.

The device operates by default in Bluetooth technology mode and this standard makes it possible to:

- recall a scenario using the traditional push button connected to the connected switch;
- associate the radio control 03925 which can be configured to control the actuator on-board or to recall a scenario.

Through the use of gateway 20597-19597-16497-14597 the functions can be managed locally or remotely via the View App, and the control is also available via the voice assistants Alexa, Google Assistant and Siri. The device is also compatible with HomeKit.

N.B.: From fw version 1.7.0 the device works as a repeater node for battery-operated devices (for instance art. 03980).

Settings.

The View Wireless App can be used to set the following parameters:

- RGB LED for backlighting: colour can be selected from a default list (default: amber for Eikon, blue for Arké and green for Plana).
- LED brightness: off, low, medium, high for active load (default: high) and for off load (default: off).
- Load status when the voltage is restored: off, on or previous status (default: previous status).
- Relay operation: two-position stable or one-position stable (default: two-position stable).
- One-position stable activation time (default: 60 s).

Reset procedure

To perform the reset and return the device to its factory settings, during the first 5 minutes that the device is powered, press the front key for 30 s until the white LED flashes.

CONFIGURATION.

For configuration operations on the system in Bluetooth technology mode please see the instruction manual for the View Wireless App.

OPERATION IN Zigbee technology MODE.

For operation in Zigbee technology mode, the device should be associated with the Amazon voice assistant which supports this standard, for instance Amazon Echo Plus, Echo Show or Echo Studio, and the following parameters can then be set on the front push button:

- Relay operation: two-position stable or one-position stable (default: two-position stable).
- One-position stable activation time.

For the device to be associated with Amazon Echo Plus, Echo Show or Echo Studio, it needs to be converted from Bluetooth to Zigbee using the View Wireless App, then set it to pairing mode and subsequently follow the procedure provided by the voice assistant. The Amazon Alexa App will signal this procedure is complete accompanied by three green flashes of the device LED.

Pairing mode activation.

- Immediately after conversion to Zigbee technology (or the software update), the device will automatically go into pairing mode so that it can be recognised by the Amazon device within 5 minutes.
- If the device is not in pairing mode, you can start this setting by cutting off the power supply to the device and restoring it after a few seconds.
- Pairing mode lasts 5 minutes, after which it is automatically disabled.

Manual sequence for parameter setting.

- 1) During the first 5 minutes after the switch has been powered (already associated with Alexa), press the front key for 15 s; this way, you will enter the relay operation selection phase - between one-position stable and two-position stable (the LED flashes green for the two-position stable setting and amber for the one-position stable setting).
- 2) Briefly press the front key to switch from two-position stable to one-position stable and vice versa; once the choice has been made, press the front key for 5 s to confirm. If the two-position stable setting has been set, the procedure is complete and the LED will confirm this with three green flashes, whereas if the one-position stable setting has been set, you will move on to the next step (3).
- 3) In the event of the one-position stable setting (i.e. with the LED flashing amber), press the front key for 5 s to enter the one-position stable activation time selection phase. Press the front key briefly, the output is activated and the LED lights up amber permanently; at the end of the time you wish to set, press the front key again, the output is deactivated and the LED flashes amber for 3 times to confirm the setting made.

N.B. When the voltage returns after a power outage, the relay maintains the state in which it was prior to the power supply cut out.

LED indications in Zigbee technology mode.

- During normal operation:

LED	Meaning
On (amber for Eikon, blue for Arké, green for Idea and Plana)	Relay active
Off	Relay not active

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• In the configuration phase:

LED	Meaning
Flashing white (for max 5 min.)	Zigbee mode active pending voice assistant
Flashing blue (for max 2 min.)	Pending receipt of a fw update
Blue permanently lit	Device associated with the smartphone via Bluetooth
Flashing green during two-position stable/one-position stable configuration (for max 5 min.)	Setting in two-position stable
Flashing amber during two-position stable/one-position stable configuration (for max 5 min.)	Setting in one-position stable
Amber permanently lit	One-position stable time setting
Flashing green 3 times	Confirms two-position stable setting
Flashing amber 3 times	Confirms one-position stable setting
Flashing green quickly 3 times	Device correctly associated with the voice assistant
On (amber for Eikon, blue for Arké, green for Idea and Plana)	Relay active during normal operation



INSTALLATION RULES.

- Installation must be carried out by qualified persons in compliance with the current regulations regarding the installation of electrical equipment in the country where the products are installed.
- The device must be completed with interchangeable keys and installed in flush mounting boxes or surface mounting boxes with Eikon, Arké, Idea and Plana supports and cover plates.
- The relay output power circuit must be protected against overloads by installing a device, fuse or automatic 1-way switch, with a rated current not exceeding 10 A.
- Installation must be carried out with the system switched off. **Install the keys onto the switch mechanism before powering up the system.**

REGULATORY COMPLIANCE.

RED Directive. RoHS directive.

Standards EN 60669-2-1, EN 301 489-17, EN 300 328, EN 62479, EN 50581.

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

REACH (EU) Regulation no. 1907/2006 – Art.33. The product may contain traces of lead.

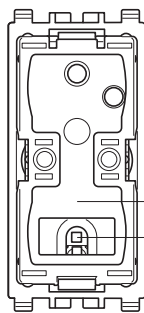


WEEE - User information

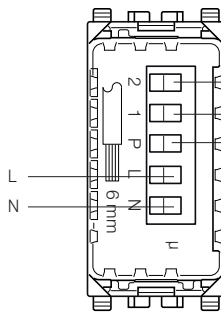
The crossed bin symbol on the appliance or on its packaging indicates that the product at the end of its life must be collected separately from other waste. The user must therefore hand the equipment at the end of its life cycle over to the appropriate municipal centres for the differentiated collection of electrical and electronic waste. As an alternative to independent management, you can deliver the equipment you want to dispose of free of charge to the distributor when purchasing a new appliance of an equivalent type. You can also deliver electronic products to be disposed of that are smaller than 25 cm for free, with no obligation to purchase, to electronics distributors with a sales area of at least 400 m². Proper sorted waste collection for subsequent recycling, processing and environmentally conscious disposal of the old equipment helps to prevent any possible negative impact on the environment and human health while promoting the practice of reusing and/or recycling materials used in manufacture.

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FRONT AND BACK VIEW



Key
LED

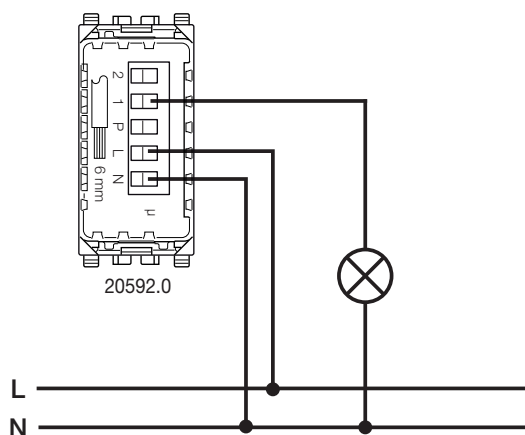


Output for connection to a reversing switch or an electro-mechanical switch

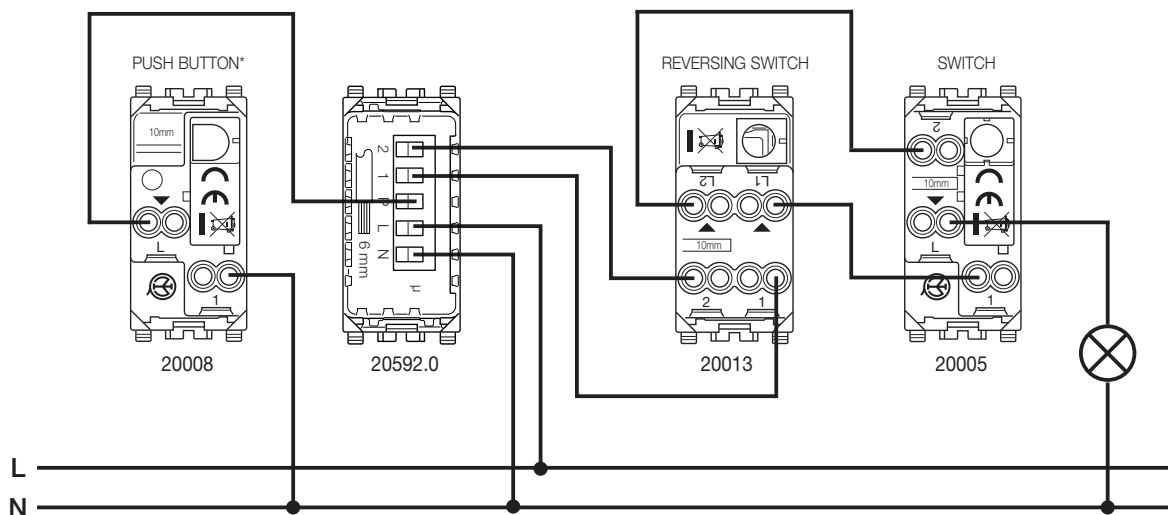
Input for wired push button: remote control (for Bluetooth technology and Zigbee technology mode) or scenario recalling (only for Bluetooth technology mode)

CONNECTIONS

Connection of the light point



Example of a multi-way/two-way switch in an existing system. For lighting devices with 1 to 3 controls.



* Can recall a scenario involving lights/roller shutters/sockets controlled in the system (only for Bluetooth technology mode).

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Example of a two-way switch with traditional push buttons in a new system. For lighting devices with relays.

