

VIMAR 19593.B IoT Connected Actuator



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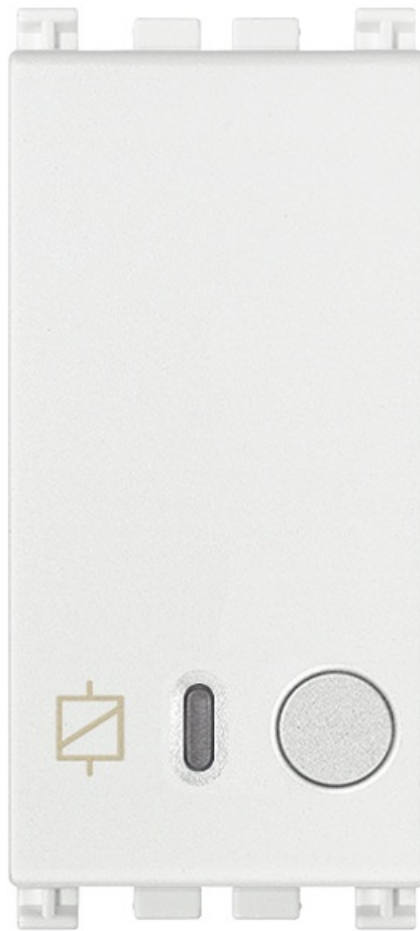
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VIMAR

VIMAR 19593.B IoT Connected Actuator



Product Information

Specifications

- Product Models: ARKE' 19593, IDEA 16493, PLANA 14593
- Two Modes of Operation: Alternatives between them or on the tablet/smartphone
- Smart Home Hub: Passerelle art. 30807.x-20597-19597-14597
- App View: Allows management via smartphone/tablet
- Voice Assistants: Compatible with Amazon Alexa, Google Assistant, and Siri (Homekit) for voice commands
- Compatible with Samsung SmartThings Hub, Amazon Echo Plus, Echo Show, or Echo Studio
- Configurable via LED indicators
- White LED flashing (maximum 5 minutes)
- Blue LED flashing (maximum 2 minutes)
- Green LED flashing during bi-stable/monostable configuration (maximum 5 minutes)
- Amber LED flashing during bi-stable/monostable configuration (maximum 5 minutes)
- Green LED flashing 3 times
- Amber LED flashing 3 times
- Green LED flashing rapidly 3 times

Product Usage Instructions

Step 1: Configuration via Smartphone/Tablet

To configure the product using your smartphone or tablet, follow these steps:

1. Make sure you have downloaded and installed the appropriate app on your device.
2. Open the app and sign in to your account.
3. Follow the on-screen instructions to connect the product to your home network.
4. Once connected, you can use the app to control and manage the product.

Step 2: Configuration via LED Indicators

If you prefer to configure the product using the LED indicators, follow these steps:

1. Refer to the user manual for the specific LED indicator codes.
2. Based on the LED codes, perform the necessary actions to configure the product.
3. Once the configuration is complete, the LED indicators will stop flashing and indicate the current status of the product.

Step 3: Controlling Compatible Devices

The product can control various types of loads:

- Charges: 100 V~ or 240 V~
- Maximum Current: 16 A or 8 A
- Power: 30 W to 100 W
- Current: 0.5 A
- Heating Load: 4 A or 16 (3.5) A

Step 4: Installation Instructions

Please follow these installation instructions:

1. Refer to the user manual for detailed installation instructions specific to your product model.
2. Ensure that the power supply is disconnected before starting the installation.
3. Follow proper electrical wiring procedures and safety guidelines.
4. Connect the necessary cables according to the provided diagrams and instructions.
5. Securely mount the product in its designated location.
6. Double-check all connections and ensure they are properly insulated.
7. Once installed, reconnect the power supply and test the product's functionality.

FAQ

- **Q: Can I control the product using voice commands?**

A: Yes, the product is compatible with voice assistants such as Amazon Alexa, Google Assistant, and Siri (Homekit). You can use voice commands to control the product.

- **Q: Which smart home hubs are compatible with the product?**

A: The product is compatible with Samsung SmartThings Hub, Amazon Echo Plus, Echo Show, or Echo Studio. You can connect the product to any of these hubs for enhanced smart home integration.

- **Q: What are the maximum load specifications for the product?**

A: The product can handle charges of 100 V~ or 240 V~ with a maximum current of 16 A or 8 A. The power range is between 30 W and 100 W. For heating loads, the maximum current can be either 4 A or 16 (3.5) A.

The actuator is equipped with a relay output with an energy meter and a front push button which allows you to restore charging and perform configuration/reset. Performs the function protection against overvoltages by disconnecting the load if the limit is exceeded. threshold defined through the View Wireless app; disconnection is indicated by the LED present on the device headband which flashes red. Charging can be reactivated from the front pusher or the View app. The View app also allows you to display the power instant consumed.

TWO OPERATING MODES (ALTERNATIVE TO THEM)



- Download the View Wireless app from the stores on the tablet/smartphone that you will use for configuration.
- When the device is powered on for the first configuration, it is recommended to possibly search for new firmware and proceed with the update.

Depending on the method chosen, provide:

- Bridge art. 30807.x-20597-19597-14597 Smart Home Hub App View
- For management via smartphone/tablet Samsung SmartThings Hub
- Amazon Echo Plus, Eco Show, or Echo Studio
- Voice assistants Amazon Alexa, Google Assistant, Siri (Homekit) to enable voice command

VIA CONFIGURATION

1. Create your Installer account on MyVimar (on-line).
2. Wire all the installation devices (diverters, actuators, thermostats, gateways, etc.).
3. Launch the View Wireless app and log in using the contact details just provided. created.
4. Create the installation and environments.
5. Associate all devices with the environments, except the gateway (to be associated Lastly).

To associate the actuator:

1. Select "Add" (), choose the environment to place it in and give it a name
 2. Select; and validate the Bluetooth connection on the tablet/smartphone and approach the actuator
 3. Press the front pusher and program the chosen function
6. Define the functions, parameters and possibly accessory devices (command wired or radio and corresponding functions) for each device.
 7. Transfer the devices configuration to the gateway and connect it to the Wi-Fi network.
 8. Transfer the installation to the Administrator (who must have created their profile on MyVimar).

For detailed information, see the View Wireless application manual, at download from the site www.vimar.com.

VIA CONFIGURATION

- Follow the procedure above for points 1 to 3. Pair the device directly with a ZigBee hub (e.g. Amazon Echo Plus, SmartThings Hub)
- Download the Zigbee software to the device using the View Wireless app (see the View Wireless App manual). Press the front pusher until the LED flashes.

To update the software on the device, the procedure is identical.

- After converting to Zigbee technology (or software update), the actuator switches automatically in pairing mode for 5 minutes. If the actuator is not in mode pairing, turn off the power and restore it after a few seconds.
- Associate the actuator according to the procedure envisaged by the ZigBee Hub.

Adjust the actuator parameters.

1. In the first 5 minutes after switching on the device (already associated to a ZigBee hub), press the front button for 15 seconds. You can then select the operation of the relay – between monostable and bi-stable (the LED flashes green for the bi-stable setting and orange for the monostable setting).
2. Briefly press the front pusher to switch from bi-stable to monostable and vice versa. Once the choice is made, press the front pusher for 5 seconds to confirm. If you have selected the bi-stable setting, the LED will flash green three times, while If you have selected the monostable setting, you will move on to the next step (3).
3. Press the front button for 5 seconds to set the activation time of the monostable setting. Briefly press the front push button, the output is activated and the LED lights up in solid orange. At the end of the time you wish to set, press again the front pusher. The output is disabled and the LED flashes orange 3 times to confirm the setting made.

N.B. When the voltage returns after a power failure, the relay maintains the state in which it was there before the power cut.

Summary of signals in Zigbee technology mode.




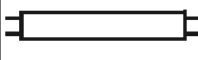

During normal operation

- Led Meaning
- On (white for Linea, amber for Eikon, blue for Arké, green for Idea and Plana) Relay activated
- Off Relay not activated

In the configuration phase

- Led Meaning
- Flashing white (5 min. max) Hub gateway association active in Zigbee mode
- Flashing blue (2 min. max) Waiting to receive a firmware update
- Blue on the Device associated via Bluetooth with the smartphone
- Flashing green during bi-stable/monostable configuration (5 min. max)
- Setting in bi-stable mode
- Flashing amber during bi-stable/monostable configuration (5 min. max)
- Setting in monostable mode
- Amber on Monostable time setting
- Green flashing 3 times Confirms bi-stable setting
- Amber flashing 3 times Confirms the monostable setting
- Green flashing quickly 3 times Device successfully associated with the voice assistant
- On (white for Linea, amber for Eikon, blue for Arké, green for Idea and Plana) Relay activated during normal operation

CHARGES PILOTABLE'S

Charges						Chauffage
100 V~	16 A	8 A	30 W	0,5 A	4 A	16 (3,5) A
240 V~	16 A	8 A	100 W	0,5 A	4 A	16 (3,5) A

RESET OF THE RELAY MODULE

Resetting restores factory conditions. Press the front pusher for 30 seconds within 5 minutes of plugging in the device, until the white LED flashes.

INSTALLATION INSTRUCTIONS

- The circuit must be carried out by qualified technicians, by the provisions which govern the installation of electrical equipment in force in the country concerned.
- The device must be installed in flush-mounted or surface-mounted boxes, with supports and Linea, Eikon, Arké, Idea, and Plana plates.
- Proceed with installation on boxes with a depth greater than 48 mm.

The relay output power circuit must be protected against overloads by a device, fuse, or automatic switch, with a rated current less than or equal to 16 A.

FEATURES

- Rated supply voltage: 100-240 V~, 50/60 Hz.
- Dissipated power: 0.85 W
- Transmitted RF power: < 100mW (20dBm)
- Frequency range: 2400-2483.5 MHz
- Terminals:
 - 2 terminals (L and N) for line and neutral
 - 1 terminal (1) for the live relay output
- 1 front push button for load control and configuration/reset. If configured in the “Energy” app, it forces the output for the time set to the View app.
- RGB LED signaling the status of the output (configurable via View Wireless App) and the status of the configuration (blue, flashing)
- In Bluetooth technology mode, possibility of associating up to 2 radio devices with the device (art. 03925) which allows you to control the actuator or validate a scenario.

Operating temperature: -10 ÷ +40 °C (indoor)

- Protection index: IP20
- Configuration via App View Wireless for Bluetooth technology system and Amazon App for

Zigbee technology.

- Controllable via Appli View

OPERATION IN Bluetooth technology MODE

- The device operates by default in Bluetooth technology mode and this standard allows you to associate the 03925 radio control which can be configured to control the on-board actuator or to recall a scenario.
- If configured in the “Energy” application, the radio control forces the output (in pressing the upper key) and removes forcing (by pressing the lower key)
- Gateway 30807.x-20597-19597-16497-14597 allows local or remote management functions through the View App, with control available through personal assistants
- Alexa, Google Assistant and Siri.
- The device is also compatible with Homekit.
- N.B: From software version 1.7.0, the device acts as a repeater node for battery devices (e.g. art. 03980).

Settings

- The View Wireless App allows you to configure the following settings:
- RGB LED for backlighting: color to be selected from a predetermined list (for default: amber for Eikon, blue for Arké and green for Idea and Plana).
- LED brightness: off, low, medium, high when charging is activated (default: high) and for charging off (default: off).
- Load disconnection threshold function: active or not active (default: not active).
- Consumption threshold for disconnecting the load (default: 3680 W).
- Load status after power on: off, on or previous state (default: state previous).
- Relay operation: bi-stable or monostable (default: bi-stable).
- Monostable activation time (default: 60 s).

COMPLIANCE WITH STANDARDS

RED Directive. RoHS directive

Standards EN IEC 60669-2-1, EN 301 489-17, EN 300 328, EN 62479, EN IEC 63000.

Vimar SpA declares that the radio equipment complies with Directive 2014/53/EU. The text full EU declaration of conformity is available on the product sheet at

Internet: www.vimar.com.

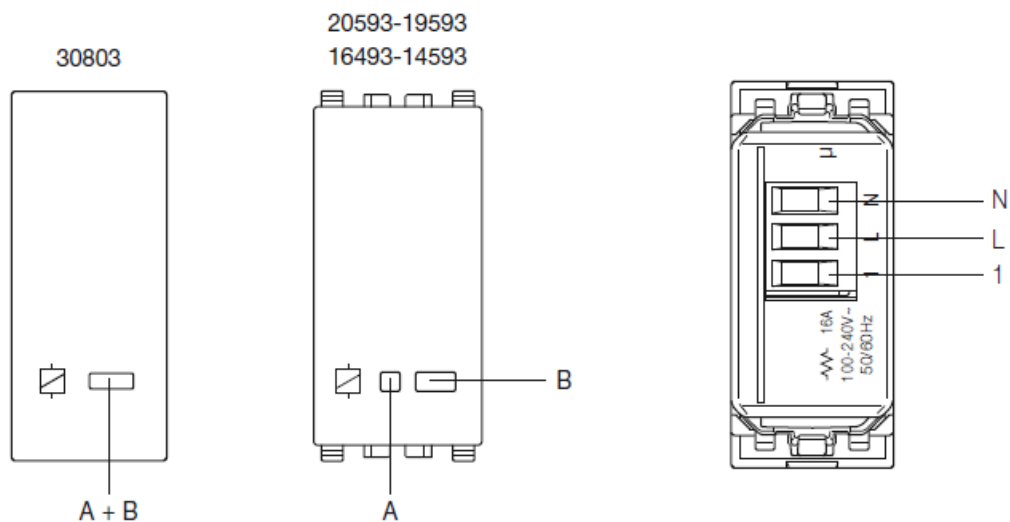
REACH Regulation (EU) n° 1907/2006 – art.33. The item may contain traces of lead

WEEE – Information for users

The crossed-out trash can pictogram affixed to the device or to the packaging indicates that the product must be separated from other waste at the end of its life cycle. The user must entrust the device to a municipal center for selective sorting of electronic and electrotechnical waste. In addition to independent management, the holder will also be able to entrust the device they want to dispose of free of charge to a distributor at the time of the purchase of a new device with equivalent characteristics. Electronic equipment distributors who have a surface area of sales greater than 400 m² recover electronic devices less than 25 cm at the end of their life free of charge with no obligation to purchase. Their selective collection aimed at recycling the device, reprocessing it, and disposing of it while respecting the environment, helps to avoid environmental pollution and its effects on health and promotes the reuse of the materials that compose it.

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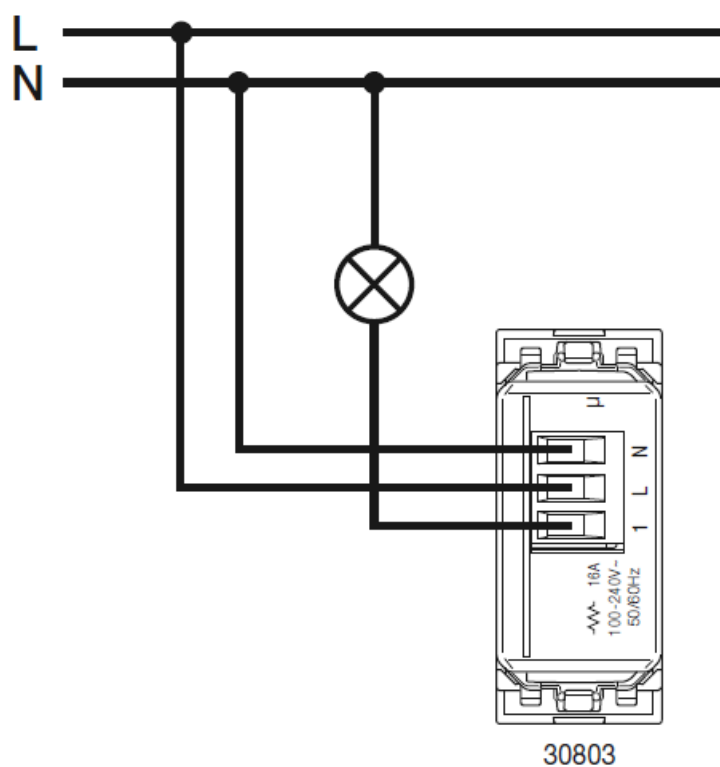
FRONT AND REAR VIEW



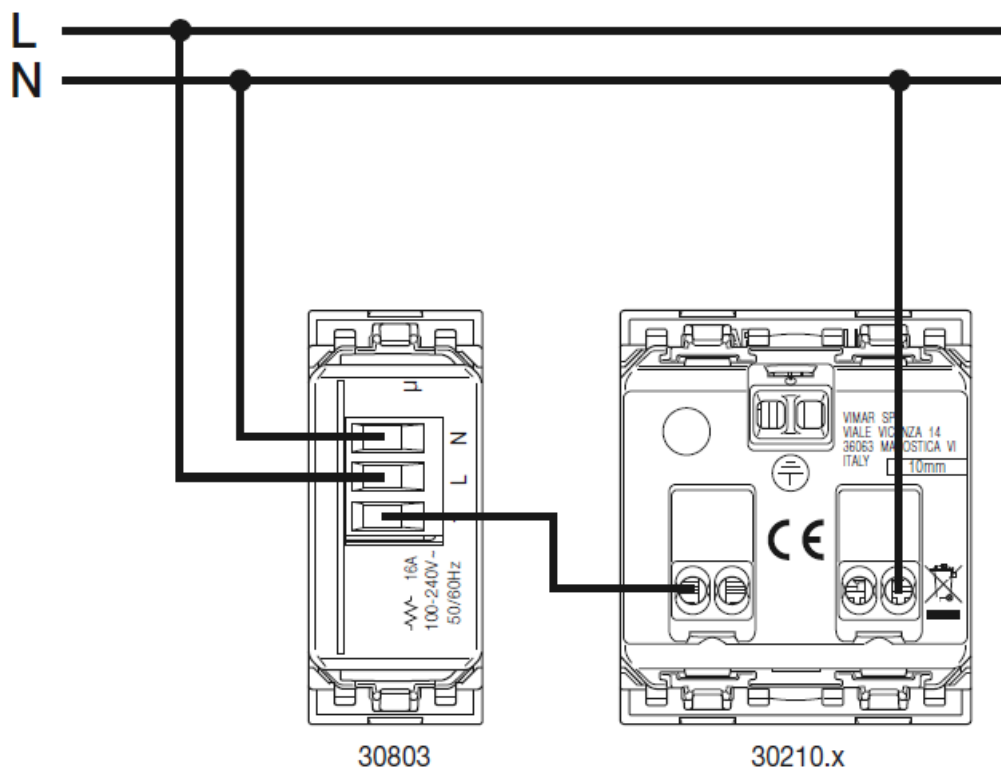
- A: Led
- B: Front push button for load control and configuration/reset
- 1: Relay output

CONNECTIONS

1. Example of connection to load



2. Example of connection to socket



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Documents / Resources



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19593.B IoT Connected Actuator, 19593.B, IoT Connected Actuator, Connected Actuator

References

- [Amazon.com](#)
- [Home automation, electrical equipment, smart home - Vimar energia positiva](#)
- [User Manual](#)

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