

EnOcean actuator with 2 relay outputs NO 5 A 230 V~, 2 programmable inputs with 1-way switch function for local control, 230 V~ 50/60 Hz power supply.

The actuator with EnOcean module is designed to receive the radio control from the radio frequency rocker button to actuate the connected loads via the relay outputs. It can also be connected to two 1-way switches/push buttons to control loads also locally. With its compact dimensions, the actuator can be installed anywhere on the wall (retrofit inside of the flush mounting box) or on the ceiling (false ceiling, etc.).

In the event of a power failure, once the mains power supply is restored, the actuator keeps the previous configuration.

TECHNICAL CHARACTERISTICS.

- Power supply: 230 V~, 50 Hz.
- Switching capacity: 230 V~ - 5 A
- Self-consumption: <1W
- Frequency range: 868.3 MHz
- Frequency band occupied: from 868.0 to 868.6 Mhz
- Max. RF power: +3dBm
- Range: up to 30 metres
- Possibility of connecting two 1-way switches/push buttons
- Operating temperature: 0 - 35 °C
- Maximum number of radio transmitters that can be stored: 22
- RGB LED for signalling the various configuration phases
- EEP (Profile EnOcean®): D2-01-12
- Dimensions: 40 mm x 44 mm x 16.9 mm
- Weight: 34 g

CONTROLLABLE LOADS.

- For each relay output:
 - resistive loads : 5 A (20.000 cycles);
 - incandescent lamps : 5 A (20.000 cycles);
 - fluorescent lamps : 50 W (20.000 cycles);
 - LED lamps: 50 W (20.000 cycles).

INSTALLATION.

- Installation of two 1-way switches/push buttons and 2 lamps. By default all wired 1-way switches connected to the actuator work as "switch" ("two-way switch") with EnOcean® transmitters associated with the device.
- Identification of configuration of both 1-way switches/push buttons. When powering up the actuator after configuration, press the 1-way switch it is connected to only once. An automatic identification procedure will be run to identify if a one-position stable or two-position stable 1-way switch is being used.

Note 1: The same configuration applies to both 1-way switch/push button 1 and 1-way switch/push button 2. The devices connected to actuator 01798 must be the same type (in other words two one-way switches or two push buttons and never one one-way switch and one push button). To run the automatic identification again manually reset the device.

Note 2: When using radio controls, we recommend you use the device only with the push buttons and not with the 1-way switches.

CONFIGURATION.

ACTUATOR OPERATING MODES

- LOCAL CONTROL. It is possible to switch the device on or off locally with a short press of the CONF push button. This switches both outputs at the same time. Alternatively, operate the switches/push buttons connected to the device to turn the light on/off on CHANNEL 1 or 2.

- ASSOCIATION. Two procedures are available (1 or 2) to access association mode; for both, one of the two channels available is associated at a time. The actuator must be powered and the lights off.

CHANNEL 1 ASSOCIATION

1. Using the actuator: press the CONF button three times (in less than 1 s).
2. Using the wired 1-way switches/push buttons: press the CHANNEL 1 1-way switch/push button 3 times (in less than 1 s).

The LED flashes red and the light relating to 1-way switch/push button 1 flashes to indicate that CHANNEL 1 is in association/disassociation mode; quickly (< 1 s) press the button you wish to associate, which will control light 1, within 30 s.

CHANNEL 2 ASSOCIATION

1. Using the actuator: press the CONF button three times (in less than 1 s); wait 1 s and press the CONF button again.
2. Using the wired switches/push buttons: Press the CHANNEL 2 1-way switch/push button 3 times (in less than 1 second).

The LED flashes red and the light relating to 1-way switch/push button 2 flashes to indicate that CHANNEL 2 is in association/disassociation mode; quickly (< 1 s) press the button you wish to associate, which will control light 2, within 30 s.

To associate a transmitter, see paragraph Procedure for association as receiver; the LED lights up in green to confirm the association procedure. If during the "Association mode" the LED flashes orange it means that the actuator memory is full or that, during the procedure, no transmitter has been associated. If the memory is full delete a transmitter and then associate the new one.

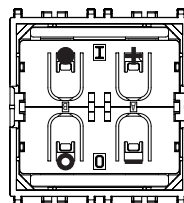
• LED INDICATIONS DURING "LEARNING MODE".

"Learning mode" PHASES	LED INDICATORS
Access to "Learning mode"	1 GREEN flash then turns to RED
Device enrolled	2 GREEN flashes
Deletion of enrolled device	2 RED flashes
Interruption of "Learning mode"	2 RED flashes
Error during "Learning mode"	2 RED flashes
Memory full (22 devices exceeded)	2 ORANGE flashes
"Learning mode" time-out	2 ORANGE flashes

- DEVICE RESET. Press CONF for more than 5 s until the LED turn on orange; when the button is released the LED remains on and you are in "Reset Mode". Press CONF once to reset; the LED flashes red and green to confirm the operation. In "Reset Mode" the button must be pressed within 30 s after which, if no operations are performed, the LED stops flashing and no reset is run.

PROCEDURE FOR ASSOCIATION AS RECEIVER.

- EnOcean® Switch, Type "rocker button control" (EEP: F6-02-01). To associate this transmitter to the actuator proceed as follows:
 1. Activate the "Association mode" on the device.
 2. Press any button on the radio control. The button pressed during the association process is the one that activates the selected channel while the other button switches off the selected channel. For example:



Association mode	Use	
	Button pressed on the transmitter	State of actuator 01798
●	●	ON
	○	OFF
○	○	ON
	●	OFF
+	+	ON
	-	OFF
-	-	ON
	+	OFF

Repeat the procedure for both channels.

To delete the association of a transmitter, activate "Association mode" on the related channel (1 or 2) and press any button on the transmitter; the device will no longer be able to control the selected channel of the actuator 01798. To delete both channels, repeat the procedure for each one.

PROCEDURE FOR ASSOCIATION AS TRANSMITTER.

When the switches are connected to inputs P1 and/or P2 they can operate as EnOcean® transmitters; once configured, via actuator 01798, they can control any other EnOcean®-compatible receiver.

To associate actuator 01798 to another receiver proceed as follows:

1. Activate the "Association mode" on the receiver.
2. Press the button on the connected switch to be associated to the receiver once.

At the end of the association procedure, the state (ON or OFF) of the output on actuator 01798 determines the "ON" state of the associated receiver.

Example.

If you want the receiver to be synchronised with the actuator, associate the button by moving the output to ON; vice versa, if you don't want the receiver to be synchronised, associate the button by switching the output to OFF.

To delete the association of actuator 01798 from another receiver activate the "Association mode" on the receiver and press the button on the switch associated to the receiver once.

SUPPORTED PROFILES (EEP)

F6-02-01	F6-04-01	F6-10-00	D5-00-01	A5-07-01
A5-07-02	A5-07-03	A5-08-01	A5-08-02	A5-08-03
A5-10-19	A5-10-18	A5-10-1A	A5-10-1B	A5-10-1C
A5-10-1D	A5-10-01	A5-10-05	A5-10-08	A5-10-0C
A5-10-10	A5-10-13	A5-10-16	A5-10-17	A5-10-0A
A5-10-0B	A5-14-01	A5-14-02	A5-14-03	A5-14-04

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.
- During product installation the supply voltage **MUST BE DISCONNECTED**. Disconnect directly at the main switch.
- Consider that the LED will always be green when the device is on. Remember to switch off the supply voltage (green LED off) before modifying the connections in any way.

REGULATORY COMPLIANCE.

RED Directive. Standards EN 60669-2-1, EN 300 220-2, EN 301 489-3, EN 62479.

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

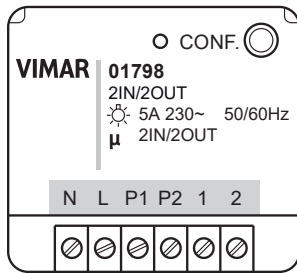
REACH (EU) Regulation no. 1907/2006 – Art.33. The product may contain traces of lead.



WEEE - Information for users

If the crossed-out bin symbol appears on the equipment or packaging, this means the product must not be included with other general waste at the end of its working life. The user must take the worn product to a sorted waste center, or return it to the retailer when purchasing a new one. Products for disposal can be consigned free of charge (without any new purchase obligation) to retailers with a sales area of at least 400 m², if they measure less than 25 cm. An efficient sorted waste collection for the environmentally friendly disposal of the used device, or its subsequent recycling, helps avoid the potential negative effects on the environment and people's health, and encourages the re-use and/or recycling of the construction materials.

FRONT VIEW



LED: Configuration LED

CONF: Configuration button

N: Neutral

L: Phase

P1: Switch input 1

P2: Switch input 2

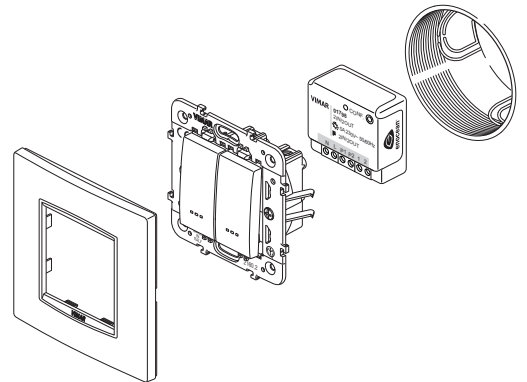
1: Relay output 1

2: Relay output 2

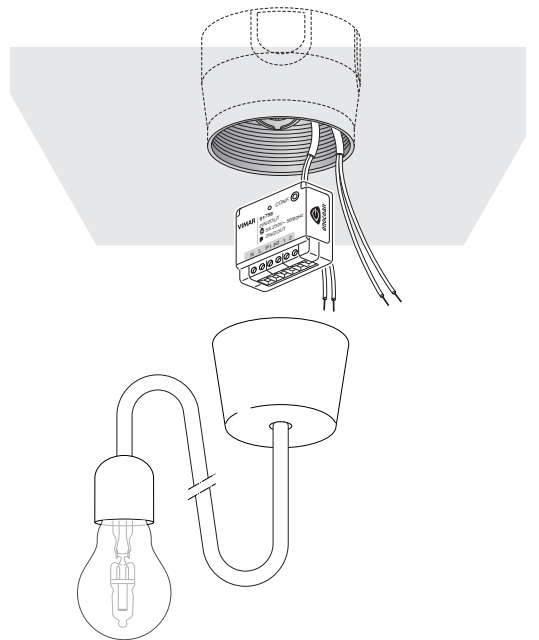
Caution: Each terminal can house only one cable with max. section 2.5mm².

INSTALLATION EXAMPLES

1.



2.



CONNECTION EXAMPLE

INSTALLATION DIAGRAM FOR 2 1-WAY SWITCHES/PUSH BUTTONS AND 2 LAMPS

