V3IS01177-010

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Mod. micro BT

Manuals download PDF

1 User manual
TIME/ASTRONOMICAL SWITCH WITH BLUETOOTH
⚠ Read all instructions carefully

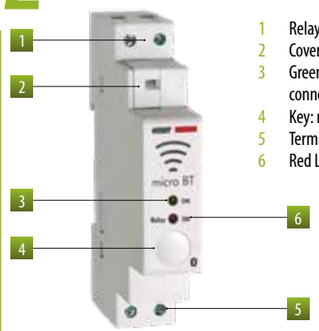
Electronic digital switch for the management of electrical loads over time through the relay (channel) available on board. Allows time programming (periodicity: daily or weekly) or astronomical (from sunset to sunrise). The Bluetooth interface allows it to be coupled with smartphone or tablet thanks to the free app. The application allows complete management of the device, allowing you to program and make settings directly on your smartphone, and then transfer all the data to the time switch. The reverse procedure is also possible, i.e. to copy the programming of a time switch on your mobile device. The backup battery allows you to keep the settings even in case of black-out and can be replaced through the cover on the front of the device. micro BT is an electronic device that perform actions of 1B type, intended to operate in environments with overvoltage category III and pollution degree 2 according to the EN 60730-1 standard.

Code	Model	Description
VE797200	**micro BT**	Daily/weekly/astronomical time switch with 1 relay and Bluetooth interface

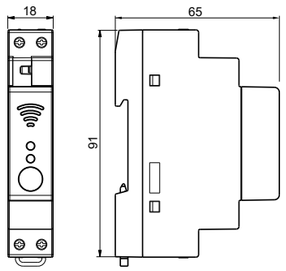
SAFETY WARNINGS
During product installation and operation it is necessary to observe the following instructions:
1) The product must be installed by a qualified person, strictly in observance of the connection diagrams shown in this manual.
2) The product must be installed and activated in compliance with current electric systems standards.
3) After installation inaccessibility to the terminals without using dedicated tools must be guaranteed
4) Do not use the product for anything other than the indicated purpose.
5) The product must be installed in an adequately protected closed electrical panel.
6) In the supply network there must be a bipolar disconnection.
7) In the electrical system upstream of the product must be installed a protection device against the overcurrents.
8) Before accessing the connection terminals, make sure that the leads are not live.
9) Do not connect or feed the product if any part of it is damaged.
10) The product can be used in environments with Measurement Category III and Pollution degree 2, according to the Standard EN 60730-1

TECHNICAL FEATURES
- Power supply: 230 Vac (-15% ÷ +10%) 50/60 Hz
- Power consumption: 5,2 VA (0,7 W)
- Replaceable 3V lithium backup battery type CR1632 (duration: approximately 4 years)
- Output: 1 normally open monostable relay 16 A / 250 V
- Terminal block for cables with maximum cables section of 2.5 mm²
- Storable programs: 120 events
- Bluetooth communication interface: BLE 5.1 (active with mains power)
- Operating frequency band: 2400-2483,5 MHz
- Maximum transmitted radiofrequency power: 4 dBm
- LED: 2 Operation status LED
- Keyboard: 1 key for configuring and forcing relay output ON/OFF
- Operating temperature: -20°C ÷ 50°C
- Operating humidity: 20 ÷ 90% non condensing
- Storage temperature: -20°C ÷ 70°C
- Insulation: reinforced between accessible parts (front) and all the other terminals
- Actions of type: 1B
- Container: 1 DIN module
- Protection degree: IP20

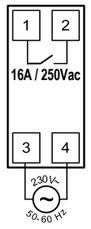
2 INSTRUMENT DESCRIPTION and DIMENSION



1 Relay terminals
2 Cover for battery replacement
3 Green LED: power supply/Bluetooth connection status
4 Key: manual switching relay/reset
5 Terminals for power supply
6 Red LED: relay status indication



3 CONNECTION DIAGRAM



Note: the monostable relay switches only if the device is mains powered.

information to users pursuant to art. 14 of the directive 2012/19 / EU of the european parliament and of the council of 4 july 2012 on waste electrical and electronic equipment (WEEE)

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.

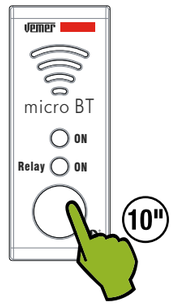
07-2024

REFERENCE STANDARDS

EU CONFORMITY DECLARATION
Vemer declares that the device complies with the Communitary Directive 2014/53/EU (RED) with reference to the following standards:
• EN 60730-2-7 • ETSI EN 301 489-1 • ETSI EN 301 489-17 • ETSI EN 300 328
The full text of the EU Conformity Declaration is available at www.vemer.it address.

4 DEVICE RESET

Perform a reset to delete the settings and programs entered and return the device to factory settings. To reset, hold down the button (at least 10 seconds) until the LEDs start to flash alternately.



⚠ **Important**: when the device is turned on for the first time or by performing a factory reset, the **Bluetooth connection password is 123456**

5 INSTALLATION AND PRELIMINARY OPERATIONS

- The device is provided with inserted date, hour and backup battery.
- Install and connect the device respecting the connection diagrams shown in this manual.
- Access the store of your smartphone, install and start the free memo – Vemer app.
- Check that the Bluetooth and the GPS of your smartphone are active and the consent to the memo - Vemer App to be able to identify the position (GPS) is enabled (adapt the settings on the smartphone such as to be able to perform this tracking; for further information see the instructions of your smartphone). .

6 CONFIGURATION REMOTE CONTROL

To configure the device using a smartphone, proceed as follows:

1. Start the ***App*** and press the **"+" key** present on the Home page
2. Press the Bluetooth connection box and select the ***Connect*** key
3. Find and select the ***"MICRO BT"*** device in the list to connect to the timer (the **green LED** will start flashing quickly to indicate that it has happened connection between app and device).

   Notes: all the Bluetooth devices detected nearby are displayed: select the device to be associated from the list. Each device is identified by the product code (for example VE797200) and by the serial number (for example 12340003) and the name of the model (for example MICRO BT). Warning: make sure that the micro BT is mains powered, otherwise the Bluetooth interface is not active and the device is not visible.
4. Confirm **the double Bluetooth pairing notification** received on your phone by entering the password to pair the micro BT with your phone (if not changed the password is 123456) and wait for synchronization with the device.
5. After successfully completing the procedure, the app displays the initial page of the selected microBT .

   From this page it is possible
   a. Create new programs which will then be copied to the micro BT
   b. Change the micro BT settings
   c. View the parameters and associate an alias (name that identifies the device, such as "external lights") to the micro BT
   d. Manually control the relay output and activate the random switching function

   Note: The communication between app and micro BT is point-to-point. This means that, even in the presence of multiple devices, the app can communicate with only one at a time.

7 KEYBOARD OPERATION

The key on the device, depending on the type of pressure exerted, is used to perform the operations described in the table:

Pressure type	Function
Short pressure	Manual relay ON/OFF switching
Long pressure (> 3 sec)	Lock (or unlock) the switching of the relay
Prolonged pressur (> 10 sec)	Reset settings: reset all settings to factory default

NOTE: If the keyboard lock has been set by the app, all key presses will be ignored. To unlock the device in case it is not possible to access the app, you need to remove and reapply power to the timer and reset the device (see Box 4). The keyboard remains unlocked for 30 seconds, which is enough time to perform the procedure to restore default settings.

8 DEPLETED BATTERY

When the backup battery is close to empty, the green LED flashes briefly. In this condition, replace the battery as soon as possible, by accessing the battery compartment, to avoid that, in case of blackout, the date and time are lost.

In this condition, when mains power returns, the display will flash, the time start from 00:00 o' clock of 01.01 and the relay stays in OFF position. In this case, to resume the normal operating, set time and date.

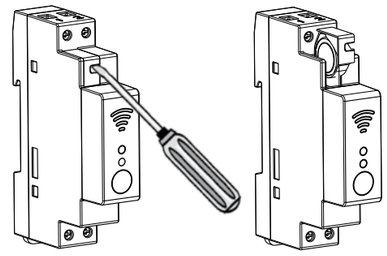
Use only CR-1632 type batteries.

⚠ It is necessary to remove the batteries before the instrument is scrapped.

⚠ In case of replacement, dispose of the batteries in the special containers of separate waste collection.

Warning: before accessing the battery compartment, disconnect the power supply

Warning: in order not to lose carried out settings, it is necessary to ensure that the time for the battery replacement doesn't exceed 60 seconds (in absence of power by means)



9 LED SIGNALS

The 2 LEDs on the device allow you to understand the operating status of the device, according to the types of switch on described in the table:

LED	Type of switch on	Operating status
GREEN	Steady on	Normal operation
	Fast flashing	Connection with smartphone successful
	Short switch on	Low or no battery (replace the battery)
	Short switch off	Time or date not configured
RED	Steady on	Relay status ON
	Off	Relay status OFF
	Short switch on	Relay status LOCK OFF
	Short switch off	Relay status LOCK ON
	Fast flashing	Anomaly (reset the device see BOX 4)
GREEN + RED	Fast alternating flashing	Device reboot
	Simultaneous fast flashing	Keypad lock enabled (displayed when the key is pressed)
	Simultaneous slow flashing	Anomaly (remove power from the device for at least 30 seconds and power it back on)