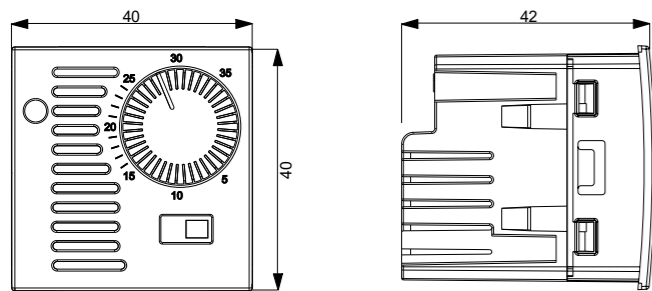
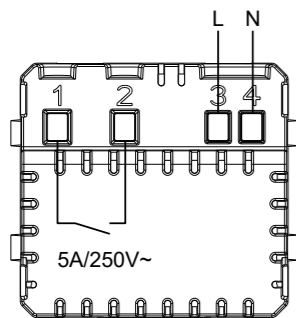




## 2 DIMENSIONS



## 3 WIRING DIAGRAM



## 4 FRONT PANEL AND KNOB REPLACEMENT

The device is supplied fully assembled with white front panel.

If it is necessary to replace it with a front panel and knob in another color, proceed as follows:

### DISASSEMBLY

1. turn the knob counterclockwise until the internal mechanical lock prevents further rotation (the knob indicator must be at 5°C)
2. insert the tip of a screwdriver in the part indicated in fig. 1 making a slight lever so as to release the locking teeth of the front panel
3. leverage with the tip of a screwdriver under the knob as shown in fig. 2 until it is completely extracted.

### ASSEMBLY

1. check that the jumper for the choice of the adjustment type is in the desired position. The device is supplied with the jumper in position A (ON / OFF adjustment). This setting is suitable for most applications and it is recommended to change it only in case of real need (the functionality of the jumper is described in the "Operation" chapter)
2. place the front panel on the device, first hooking the teeth in the lower part and then those in the upper part, paying attention to the selector on the right
3. insert the knob pin into the central hole of the thermostat, making sure that the indicator on the knob is at 5°C
4. check that the knob rotates completely and smoothly from the minimum value to the maximum value and that the selector moves in the three positions.

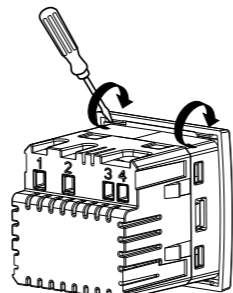


Fig. 1

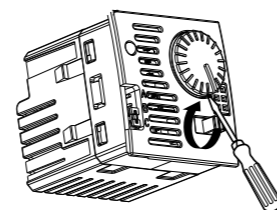


Fig. 2

## 1 User Manual

### FLUSH-MOUNTING ELECTRONIC THERMOSTAT

⚠ Read all instructions carefully

Flush-mounting electronic thermostat for temperature control both in heating and cooling. The device performs actions of type 1B and is intended for operating in environments with Pollution Degree 2 and Overvoltage Category III (EN60730-1).

Code	Model	Description
VE789400	CELO	Flush-mounting thermostat - 2 modules 230 VAC
VE789401	CELO-INT	Flush-mounting thermostat - 2 modules 230 VAC
VE789402	NOW.CELO	Flush-mounting thermostat - 2 modules 230VAC

### SAFETY WARNINGS

During product installation and operation it is necessary to observe the following instructions:

- 1) The device must be installed by a qualified person, in strict compliance with the connection diagrams.
- 2) Do not power or connect the device if any part of it is damaged
- 3) After installation, inaccessibility to the connection terminals without appropriate tools must be guaranteed.
- 4) The device must be installed and activated in compliance with current electric systems standards.
- 5) Before accessing the connection terminals, verify that the leads are not live.
- 6) A protection device against overcurrents should be installed in the electrical system, upstream of the device.

### TECHNICAL SPECIFICATIONS

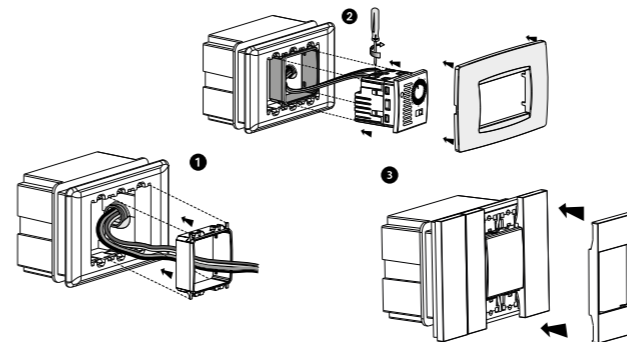
- Power supply:
  - 230Vac (-15% ÷ +10%) 50/60Hz
  - max absorption: 4 VA / 230Vac
- Installation on flush-mounting box with 45 mm height
- Terminal block: for cables with a maximum section of 1.5 mm<sup>2</sup>
- Output: bistable relay 5A / 250 Vac
- Summer/winter/off operating mode (with antifreeze)
- Regulation type:
  - on/off with differential fixed at 0.3 °C
  - proportional with 0.8°C band (-0.3 ÷ +0.5 °C) and period 8 minutes
  - proportional with 1.5°C band (-0.7 ÷ +0.8 °C) and period 15 minutes
- Measurement precision: ± 0.5 °C
- Setpoint range: +5 °C ÷ +35°C
- Operating temperature: 0 °C ÷ +50 °C
- Storage temperature: -10 °C ÷ +65 °C
- Operating humidity: 20÷90% non condensing
- Protection degree: IP40
- Insulation: reinforced among accessible parts (frontal) and all other terminals

## 5 MOUNTING

Install the device at a height of 1.5 meters from the floor, in an area that reflects as much as possible the average temperature conditions of the room.

Avoid installation near doors or windows, in niches, behind doors and curtains or in places with excess or total lack of ventilation.

### • CELO (cod. VE789400) - NOW.CELO (cod. VE789402) mounting

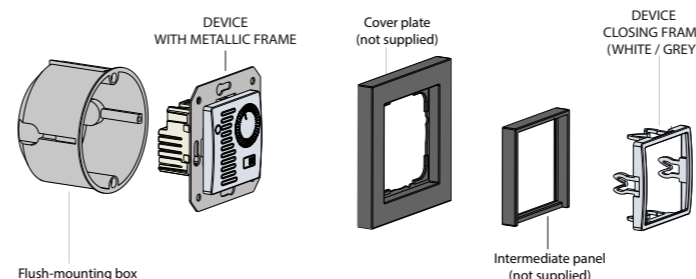


- ① Apply the adapter corresponding to the plate of the civil series to be mounted (see civil series compatibility table)
- ② Connect the load and the power supply (see connection diagram), insert the device into the adapter and fix the cover plate of the civil series supplied
- ③ With B-Ticino Living Now insert the closing frame too

Adapters with VE789400	Plates
AM	ABB series: Mylos
A4	AVE series: S44
BA	BTICINO series: Axolute, Axolute AIR
BL	BTICINO series: Light, Living International, LivingLight, LivingLight AIR
GC	GEWISS series: Chorus
VE	VIMAR series: Arké, Eikon, Eikon Evo
VP	VIMAR series: Plana
Adapter with VE789402	Plate
LN-2	BTICINO serie: Living Now

For information on the possibility of adapting the device with plates different from those shown, contact the Technical Assistance Service.

### • CELO-INT mounting (code VE789401)



- ① Connect the load and power supply (see connection diagram)
- ② Fasten the device with the metal frame to the flush mounting box
- ③ Apply the cover plate and the 50x50mm intermediate panel
- ④ Finally insert the closing frame

The device can be adapted to the cover plates of Berker, Busch-Jaeger, Gira, Jung and Merten.

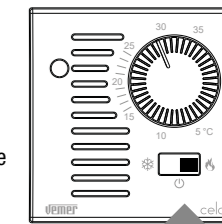
The complete list of compatible cover plates is available on the website [www.vemer.it](http://www.vemer.it) on the product page.

## 6 OPERATION

### How to choose the operating mode

The position of the selector shown in the figure determines the operating mode:

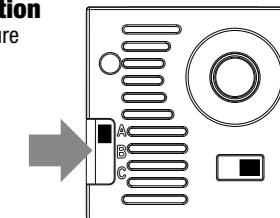
- heating operation  
Place the selector in this position if the device controls a heating system. The relay is closed when the ambient temperature is below the set value.
- operation off:  
Put the selector in this position when the system must remain off for a long period. In this mode, the antifreeze function is active, which activates the system if the ambient temperature drops below 2°C.
- air conditioning operation:  
Put the selector in this position if the device controls a cooling system. The relay is closed when the ambient temperature is higher than the set value.



### How to choose the type of regulation

The position of the jumper shown in the figure determines the type of adjustment:

- A (factory setting):  
ON/OFF regulation with fixed differential at 0.3°C
- B: proportional regulation with 0.8°C band (-0.3°C ÷ +0.5°C) and time base 8 minutes
- C: proportional regulation with 1.5°C band (-0.7°C ÷ +0.8°C) and time base 15 minutes



### Important!

To access the jumper it is necessary to remove the cover after disconnecting the power supply. The position is read by the device only when it is turned on: it is therefore useless to change the position of the jumper with the device on, as well as exposing the user to possible electrical discharges.

### How to set the temperature

Turn the knob to set the desired temperature value. The red LED on indicates the activation of the system (relay closed).

### Probe failure signal

In the event of a temperature probe failure, the red LED flashes twice per second. In this condition, the relay remains open and the temperature regulation is suspended. Contact the technical assistance service.

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 m<sup>2</sup>, 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.

### REFERENCE STANDARDS

Compliance with Community Directives 2014/35/EU (LVD) and 2014/30/EU (EMCD) is declared with reference to the following harmonized standards:  
• CEI EN 60730-2-9