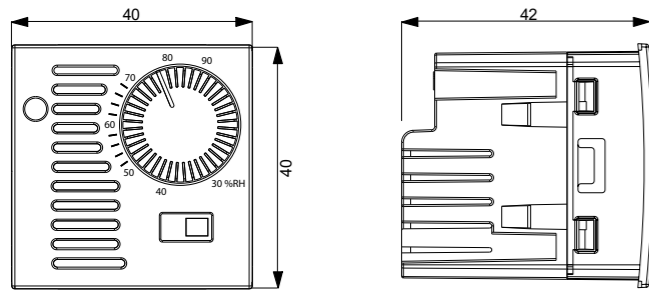




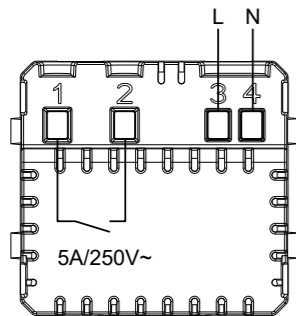
Vemer S.p.A.

I - 32032 Feltre (BL) • Via Camp Lonc, 16
e-mail: info@vemer.it - web site: www.vemer.it

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 humidity adjustment 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 30%)
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. 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
2. insert the knob pin into the central hole of the thermostat, making sure that the indicator on the knob is at 30%
3. check that the knob rotates completely and smoothly from the minimum value to the maximum value and that the selector moves without jamming from right to left.

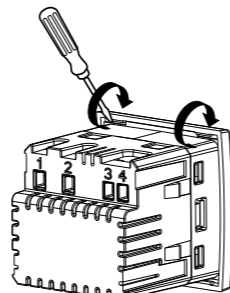


Fig. 1

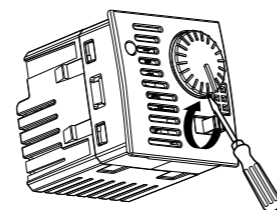


Fig. 2

1 User Manual

FLUSH-MOUNTING ELECTRONIC THERMOSTAT

⚠ Read all instructions carefully

Built-in 2-module electronic humidistat suitable for regulating humidity during dehumidification. The device performs actions of type 1B and is intended to operate in environments with pollution degree 2 and overvoltage category III (EN 60730-1).

| Code | Model | Description |
|----------|------------|---------------------------------------|
| VE789000 | HYGROS | Built-in humidistat 2 modules 230 VAC |
| VE789001 | HYGROS-INT | Built-in humidistat 2 modules 230 VAC |
| VE789002 | NOW.HYGROS | Built-in humidistat 2 modules 230 VAC |

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

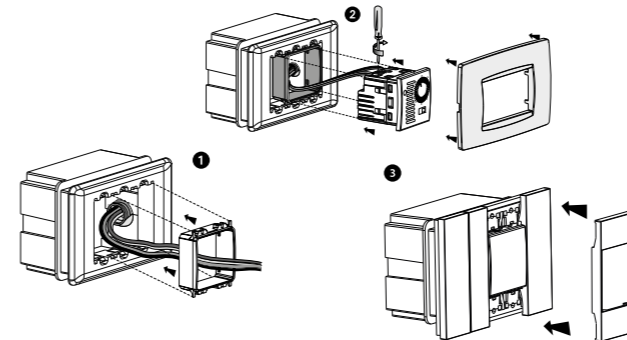
- Power supply:
 - 230Vac (-15% ÷ +10%) 50/60Hz
 - max absorption: 4 VA / 230Vac
- Installation on flush-mounting box with 45 mm height
- Terminal block: for cables with a maximum section of 1.5 mm²
- Output: bistable relay 5A / 250 Vac
- Dehumidification operating mode
- Type of regulation: on / off with fixed differential of $\pm 2.5\%$ RH
- Setpoint range: 30% \pm 90% RH
- 2-position selector: Off / dehumidification
- 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.

• HYGROS (cod. VE789000) - NOW.HYGROS (cod. VE789002) mounting

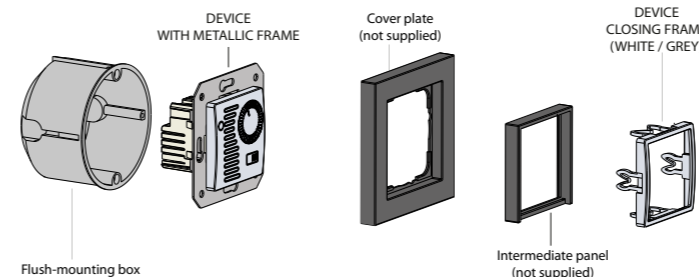


- ① Apply the adapter corresponding to the plate of the civil series to be mounted (see civil series compatibility table)
- ② Connect the load and the power supply (see connection diagram), insert the device into the adapter and fix the cover plate of the civil series supplied
- ③ With B-Ticino Living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

| Adapters with VE789000 | 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 VE789002 | Plate |
| LN-2 | BTICINO series: Living Now |

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

• HYGROS-INT mounting (code VE789001)



- 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.

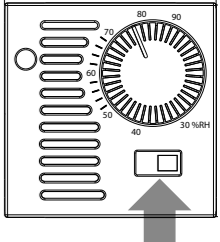
The complete list of compatible cover plates is available on the website www.vemer.it on the product page.

6 OPERATION

How to choose the operating mode

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

- **(0 symbol) OFF mode**
Place the selector in this position when the system must remain off. Regulation is disabled and the relay is open.
- **(Symbol I) Dehumidification mode:**
Place the selector in this position for control of the dehumidification system. The regulation is enabled and the relay is closed when the humidity is higher than the set value.



How to set the humidity

Turn the knob to set the desired humidity value. It's possible to set values between 30% RH and 90% RH. When the humidity value present in the room exceeds the set value, the red led lights up and the relay switches between contacts 1-2.

Note: In order to preserve the life of the system, the minimum time between a relay switching and the next one is 1 minute. However, the led status updating is immediate. Therefore, after using the regulation knob, it is possible to find a discrepancy between what is indicated by the led and the actual status of the relay. This condition lasts for up to 1 minute.

Value out of range signal

When the device is in dehumidification mode they can occur the following conditions:

- Relative humidity below 5% RH.
This condition is signaled by the flashing of the red LED and normal operation is restored when the humidity returns at values above 10% RH.
- Relative humidity above 95% RH.
This condition is signaled by the flashing of the red LED and normal operation is restored when the humidity returns at values below 90% RH.

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.

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 60730-2-13