

GB

ELECTRONIC THERMOSTAT 230V~

USE PLANNED BY MANUFACTURER

The 44.085 is an electronic thermostat fed by 230V~ 50Hz mains, that allows the regulation of room temperature. It is made with 2 modules of the System 44, the thermostat allows any electrical appliance to be switched on and off, such as circulation pumps, burners or motor-driven mixing valves. The use of the thermostat is advisable in rooms for domestic use.

It must be installed in fixed in or wall housings at a height of approximately 1,5 metres from the walking surface (fig. 1), in a position suitable for the correct reading of room temperature, avoiding installation in niches, behind doors and curtains or areas influenced by heat sources or atmospheric factors. (fig. 2); in particular avoid installing the apparatus on perimeter walls or near heat sources (eg. regulators or lamps).

The manufacturer is not responsible for any damage due to an improper use of the apparatus.

SAFETY WARNINGS

The connection and installation of the electrical apparatuses must be done only by qualified professionals, in compliance with national and safety regulations in force. Any work on or modification to the apparatus will cause the guarantee to be voided immediately.



DESCRIPTION OF THE APPARATUS (FIG. 3)

On the front part there are:

- a graded hand grip (M1), that allows setting the room temperature;
- a luminous signal (L1) that switches on with the relay energised, if the room temperature read is less than the one set.

TECHNICAL SPECIFICATIONS

- Overall dimensions: 2 modules System 44
- Protection level: IP40 in conformity with EN 60529-1
- Terminal board with 5 terminals accessible on the back
- Voltage ne: 230Vca 50-60Hz
- Variation allowed: 185Vca ÷ 253Vca
- Maximum absorption: 15mA a 230Vca
- Output (NO-C-NC terminals): monostable relay with 1 contact in deviation free from potential
- Rated load:
 - ohmic (cosφ 1): 5A at 250Vca – 5A at 30Vcc
 - inductive (cosφ 0,4): 2A at 250Vca – 3A at 30Vcc
- Type of regulation: ON/OFF
- Field of temperature setting: from 5°C to 30°C (heating or air conditioning)
- Regulation precision: 0,3°C max
- Thermal differential: 0,5°C max
- Protection class: II in compliance with EN 60730-1
- Front optical signal (L1) on with room temperature less than the set temperature
- Type of contact opening: micro-disconnection
- Type of action: 1B
- Tracking index: PTH175
- Pollution Class: 2 (normal)
- Software Class: A
- Compliance with regulations: CEI EN 60730-2-9

EXAMPLES OF ELECTRICAL CONNECTION

Heating

It is possible to feed the user directly through a contact in deviation (fig. 4a), or exploit this to transmit a "boiler-consent" free from potential (fig. 4b).

Air Conditioning

It is possible to feed the user directly through the contact in deviation (fig. 5a), or exploit this to transmit a "conditioner-consent" free from potential (fig. 5b).

Figure 1

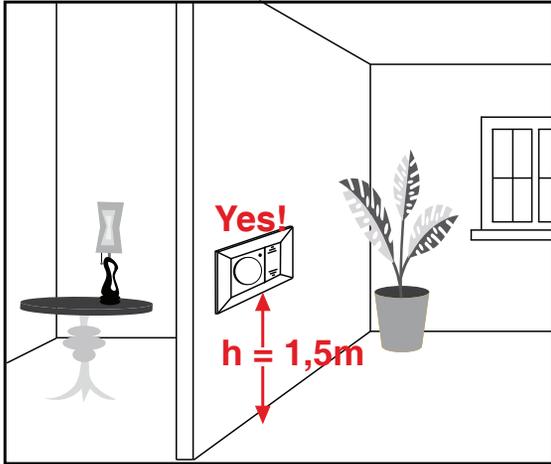


Figure 2

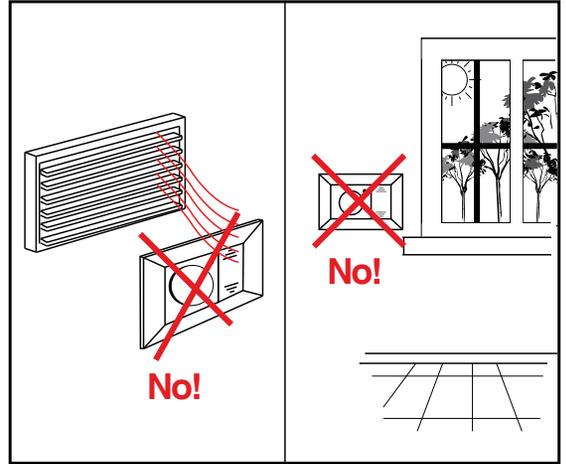


Figure 3

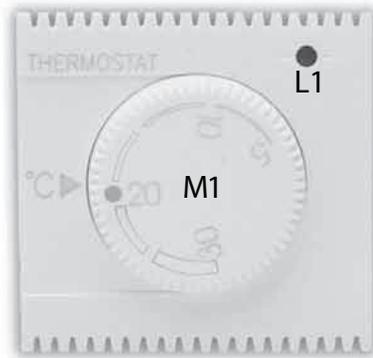


Figure 4a

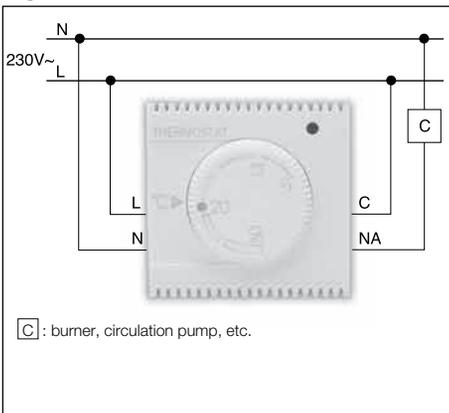


Figure 4b

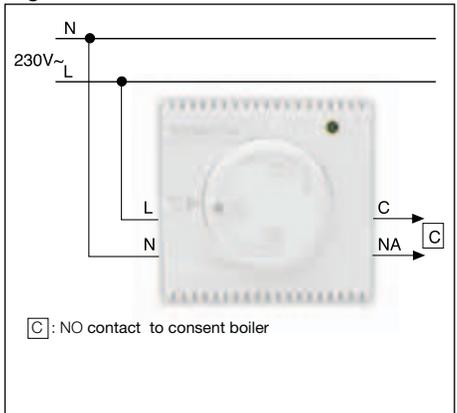


Figure 5a

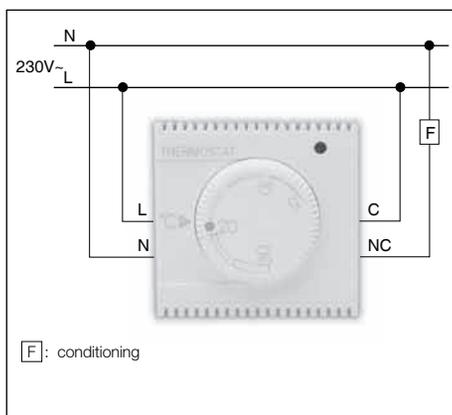
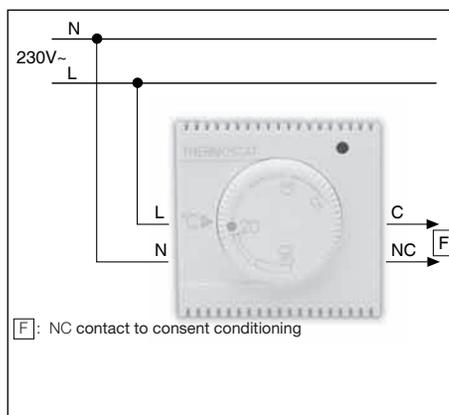


Figure 5b



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IMPORTANT NOTES:

- Products should be sold in their original packaging. Otherwise, the retailer and/or installer is obliged to follow, as well as to communicate to the user, the instructions for use which are supplied with the product and/or are published on the website www.ave.it as well as in the current product catalog.
- AVE products are installation products
- Products must be installed by trained professionals in compliance with the installation regulations
- Once the product is unpacked, make sure that the appliance is undamaged. Do not use the appliance if there is any doubt, but contact a qualified technician
- Even before unpacking, the appliance should be handled with care and stored in a dry place at temperatures between -5°C and $+40^{\circ}\text{C}$
- Before carrying out any maintenance on the appliance, cut off the mains power
- Special attention should be paid to the preparation of the cable terminals to be inserted into the appliance terminals so as to maintain sufficient isolation distance between contacts
- When tightening the terminal screws, special care should be taken to avoid overheating which could start a fire or damage the cables.
- The product must be used in dry, dust-free areas
- Suitable products must be used in any other conditions
- There is a risk of electric shock or malfunction of the device if not handled properly.
- Install products and accessories according to the prescriptions in the catalogue and the instructions sheet and in compliance with specific standards and rules
- Warranty certificate for a specific product, which specifies the warranty period and conditions in accordance with local regulations, is issued by the seller at the moment of sale of product

The manufacturer's warranty: The 5 year warranty applies only to damaged or malfunctioning products caused by manufacturer's negligence, taking into account the rights and obligations prescribed by law (art. 1490, 1512 C.C., DL 24/2002, Directive 1999/44/CE, art. 1519 C.C.). The defect must be notified within 2 month from the date it was discovered. Five years are intended from the date of delivery of the product to the final customer.

