

ELECTRONIC WALL THERMOSTAT Series 74x74

MODELS WITH ON/OFF DIFFERENTIALSWITCH

- Art. TE 036 - Thermostat with change over contacts - led indicator
- Art. TE 041 - Thermostat with change over contacts - led indicator **SUMMER-OFF-WINTER switch**
- Art. TE 046 - Thermostat with change over contacts - led indicator **ON-OFF switch**

Temperature control Devices designed and produced with the most advanced techniques and materials; ideal solutions for the requirements of modern air conditioning systems, which ensure maximum energy saving in running the systems.

TECHNICAL SPECIFICATIONS AND PERFORMANCE

Power:	220 V ca \pm 10% 50 Hz
Load controls:	relay - potential free change over contacts
Contact capacity:	5 (2) A 240 Vac resistive load (max)
Sensitive element:	NTCR 10 Kohm/25 °C \pm 1%
Adjustment range:	5-30 °C with possibility to limit
Reading accuracy:	\pm 0.5 °C
Differential function:	adjustable differential: 0.2-2.5 °C
Proportional function:	proportional scale extent: 1 °C
Thermal gradient:	1K/15min.
Degree of protection:	IP40
RED LED:	on = load enabled off = load disabled
Working temperature:	0-50 °C
Storing temperature:	-20 +70 °C
Colour:	white

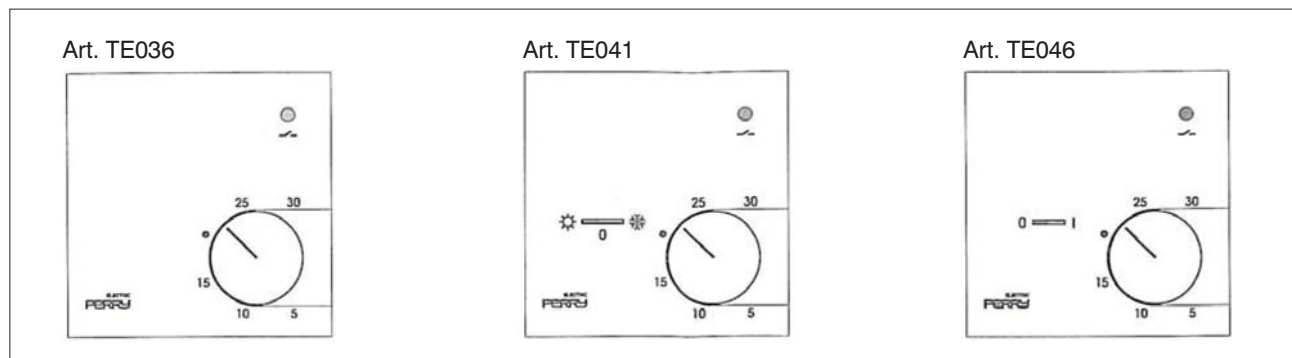


Fig. 1

DESCRIPTION

- 1 - Temperature set control.
- 2 - SUMMER-OFF-WINTER switch, only with model TE041 (allows you to disable the load and select function with heating and/or air conditioning systems).
- 2 - ON/OFF switch, only with model TEO46 (allows you to disable the load).
- 3 - Indicator light: light on means load is enabled, light off means load disabled.

DIFFERENTIAL FUNCTION

The TE036, TE041 and TE046 electronic thermostats are differentially regulated, as shown in Fig. 2a; in the case of heating systems, the thermostat maintains the load enabled (contact NA closed) until the maximum threshold of the set temperature is reached, when the temperature falls to the minimum threshold the thermostat disables and then re-enables the load. The difference between the thresholds can be adjusted (from 0.2 to 2.5 °C) by setting the trimmer, as shown in Fig. 5.

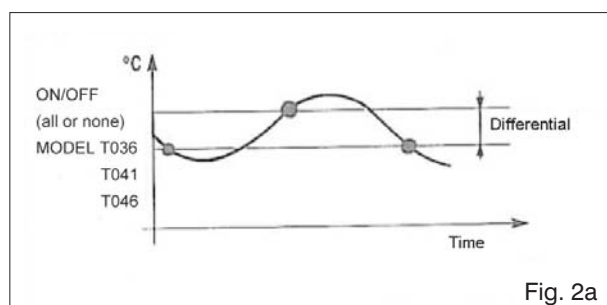


Fig. 2a

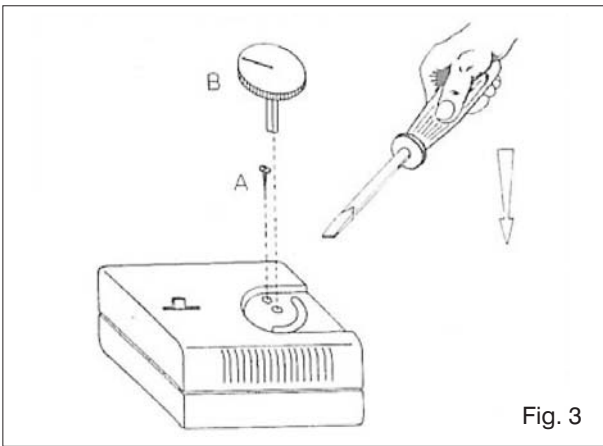


Fig. 3

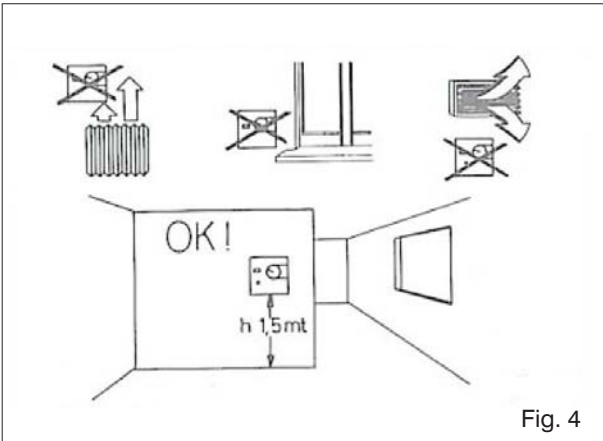


Fig. 4

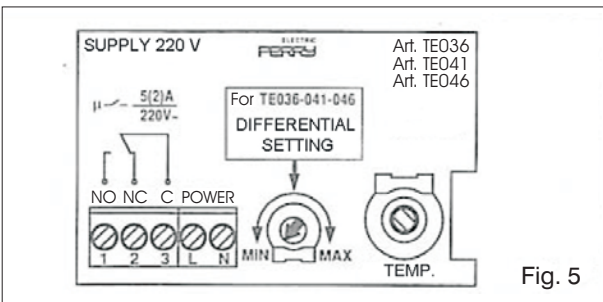


Fig. 5

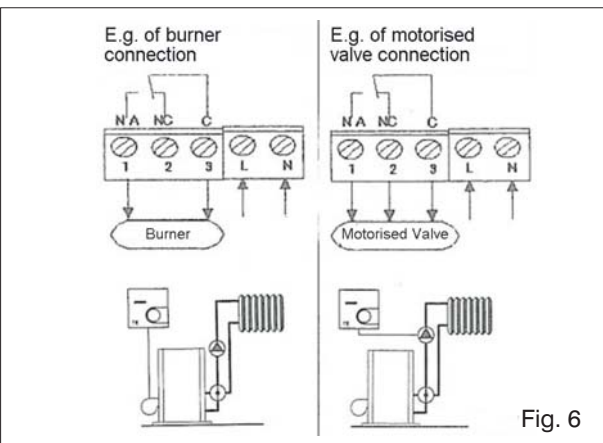


Fig. 6

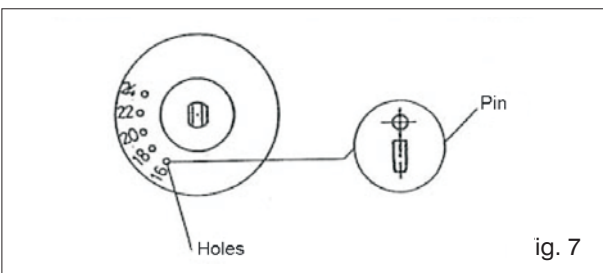


Fig. 7

INSTALLATION INSTRUCTIONS

- Cut out the perforated template.
- Position on the wall as indicated in **Fig. 4** and mark the perforations.
- Drill two holes for wall mounting with rawplug.
- Open the thermostat as indicated in **Fig. 3**
 - take out the control knob B using a tool (screwdriver).
 - with a cross screwdriver unscrew and remove the lid anchoring screw A
 - remove the lid.
- Insert the connections, coming from the system, in their slot on the lower part of the base.
- Fix the thermostat base to the wall with two screws.
- Connect the leads (see instructions).
- In the models with the ON/OFF differential, set the differential as shown in **Fig. 5**.
- Close the thermostat.
- Fix the lid with screw A.
- Insert control knob B for regulating the temperature.

IMPORTANT

Installation and electrical connection must be carried out by qualified personnel and in conformity with the existing laws.

ELECTRICAL CONNECTIONS

- Connect the leads to connecting terminals L and N.
- Connect the load to terminals C-NA-NC according to control requirements (**Fig. 6**)
- The thermostats are supplied with a relay with change over contact which can act on the control devices in the heating and or air conditioning system (burner, pump, electro-thermal valve, motor valve, conditioner, etc.). The contacts are a potential free.
- If the power load is greater than that indicated in the technical specifications, the load must be controlled through the power relay or external remote control.

TEMPERATURE LIMITATION

- Using a utensil (screwdriver) remove the control knob (**Fig. 3**).
- Insert the provided pawl, in the hole corresponding to the MAX temperature desired, on the lower part of the knob (**Fig. 7**).
- Insert the control knob in the thermostat.