Installation instruction

16090 / 16150

Connection

Connection takes place according to diagram on the inside of the lid. The lid can be separated from the bottom part in order to facilitate the connection. If an internal potentiometer is required, the knob is moved to the inside of the lid. Remove the covering disk from the position of the internal potentiometer.
If you want the load switched on at falling temperature (heat) it is to be connected between terminal 5 and 8. If you want the load switched on at raising temperature (cold) it is to be connected between the terminals 5 and 7. At common power supply for the thermostat and load external connection is made between the terminals 2 and 9.

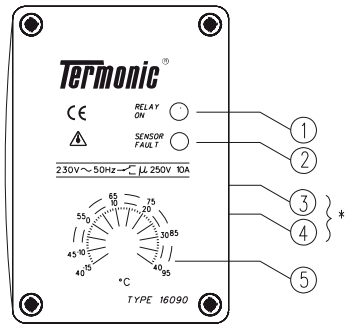


Fig. 1

* = Internal placing

Operational indication

The relay point changes over when the temperature at the sensor falls to under set value. Indicated by LED ①. When the temperature reaches set value LED switches off (see Fig. 1).

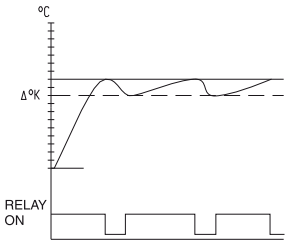


Fig. 2

Sensor monitoring

In case of disconnection or short circuit in the sensor LED indicates "sensor fault" ②. If there is much after-heat, and if the temperature setting is near MAX on the scale range, red LED may shine momentarily. Change to next scale range and turn the potentiometer to required temperature.

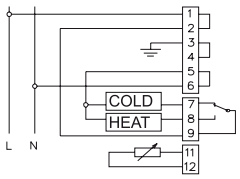


Fig. 3

Setting of temperature range

Change scale by turning switch ③ to required scale range (inside of lid). Set the temperature by the potentiometer ⑤ according to choosen scale range.

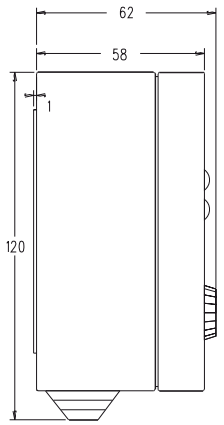
Setting hysteresis

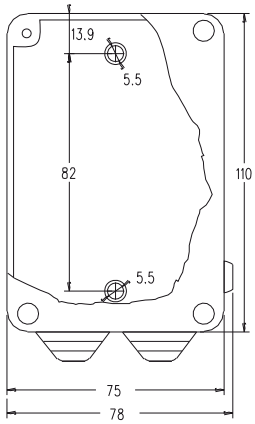
Turn the potentiometer ④, inside of lid, clockwise for larger hysteresis. Minimum position = 1K, Maximum position = 10K, (see Fig. 2).

Technical data

Rated voltage	230V 50/60Hz
Power consumption	1.5 VA
Ambient temperature	-10 / +55°C
Maximum breaking current	10A / 250V
Relay	1VX (potential free)
Indication relay	Yellow LED
Hysteresis	1-10K
Useful life	1 x 10E5
Mechanical life	10 x 10E6
Electrical connection	Screw connection 2.5mm^2
Temperature setting	Knob
Sensor PTC	Silicon 3m (100m)
Sensor protection	IP 65
Protection class	IP 54
Casing	RAL 7035 PVC
Mounting	Wall mounting

(mm)





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