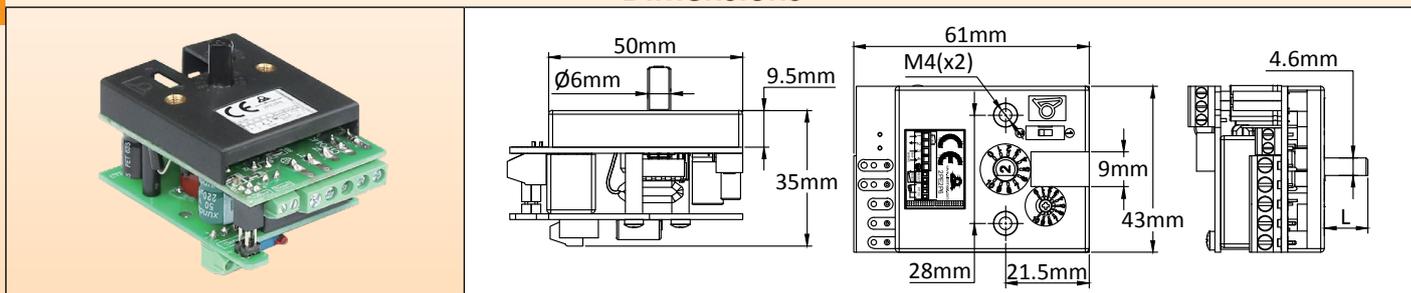# Electronic thermostats

Electronic thermostat, knob adjustment, remote sensor, Pt100 temperature sensor, temperature control or manual reset limiter
Type 2PE2P6

Dimensions

Applications principles

This electronic thermostat for incorporation has been designed to allow a distant temperature control of flexible silicone heaters. It is mounted with two screws M4 at the same distance 28mm than bulb and capillary thermostats, uses a 6mm dia. shaft with 4.6mm flat, and its knob rotation angle is 230°. Its electrical rating is 16A 230V, identical to the electromechanical thermostats. This is an economical solution, useful in catering equipment.

Main features

Action: On-Off.
Size: 61 × 43 × 35mm.
Temperature sensor: Pt100
Temperature range: 50-200°C (120-390°F)
Temperature differential: Adjustable, by potentiometer with front access, from 0.5 to 5.5°C (0.9 to 10°F) for other temperature ranges.
Accuracy: +/ -1% of scale (NTC sensor tolerances not included).
Power supply: 180 to 240V, 50Hz or 60Hz.
Relay output: 16A250V resistive, 100000 cycles.
Relay action: Open on temperature rise.
Ambient: -20+50°C, 10-85% RH.
Power: <2W
Electrical connections:
- Power supply and power relay: 2.5mm² screw terminal block.
- Temperature sensor: 1.5mm² screw terminal block.
Adjustment shaft: The thermostat is shipped with a dia. 6mm with 4.6mm flat shaft, length 11mm, assembled. Included is also a set of: One 15mm shaft, one 28mm shaft and one screw driver adjustment shaft.
Options: Available with many other temperature ranges. Also available with manual reset action (Ask for full technical data sheet).

1: Cover
2: Main printed circuit board
3: Elastic washer
4: Screw driver shaft
5: 11mm shaft fitted in standard
6: 15mm shaft
7: 28mm shaft
8: Shaft bearing
9: Plastic spacer
10: Cover screws, (unscrew to change shaft length)
11: Pt100 input printed circuit board

Standards: Comply with LVD and EMC (CE certificate by TÜV), upon the following standards:
EN55014-1:2006+A1+A2;
EN55014-2: 1997+A1+A2;
EN61000-3-2:2014;
EN61000-3-3:2013;
EN60730-1:2011;
EN60730-2-9:2010, and ROHS compliance certificate.

Part number: 2PE2P6

Soft grip printed knobs and bezels part numbers
(Must be ordered separately, not included in the electronic thermostat)

°C Printing	°F Printing	Black ABS bezel	Chrome plated ABS Bezel
66MZ0060502001FW	66MZ0060502001FX	66EN1	66EN3