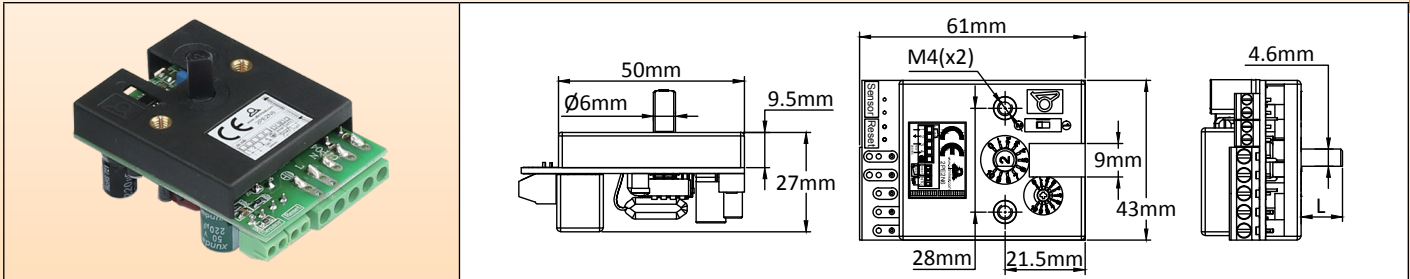




# Electronic thermostats

## Blind electronic thermostat, 16A, NTC sensor temperature control or manual reset limiter Type 2PE2N6

### 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:** 60 × 43 × 23mm.

**Temperature sensor:** NTC thermistor, 10Kohms @25°C, B(25-50)= 3380

**Temperature ranges:** 20-125°C (68-260°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: 2.5mm<sup>2</sup> screw terminal block.

- Temperature sensor: 1.5mm<sup>2</sup> 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).

|                          |   |   |
|--------------------------|---|---|
|                          | <ol style="list-style-type: none"> <li>1: Cover</li> <li>2: Printed circuit</li> <li>3: Elastic washer</li> <li>4: Screw driver shaft</li> <li>5: 11mm shaft fitted in standard</li> <li>6: 15mm shaft</li> <li>7: 28mm shaft</li> <li>8: Shaft bearing</li> <li>9: Plastic spacer</li> <li>10: Cover screws, (unscrew to change shaft length)</li> </ol> | <p><b>Standards:</b> Comply with LVD and EMC (CE certificate by TÜV), upon the following standards:</p> <ul style="list-style-type: none"> <li>EN55014-1: 2006+A1+A2;</li> <li>EN55014-2: 1997+A1+A2;</li> <li>EN61000-3-2:2014;</li> <li>EN61000-3-3: 2013;</li> <li>EN60730-1:2011;</li> <li>EN60730-2-9: 2010, and ROHS compliance certificate.</li> </ul> |
| <b>Reference: 2PE2N6</b> |   |   |

### Soft grip printed knobs references

(Must be ordered separately, not included in the electronic thermostat)

