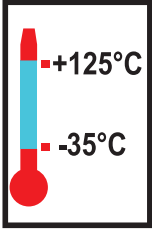
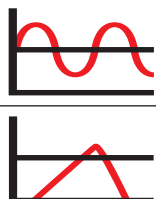
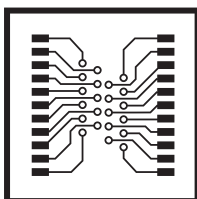
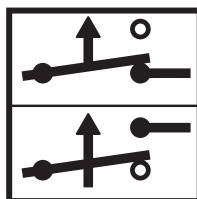
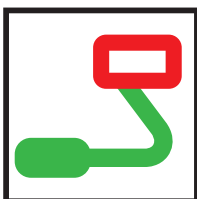
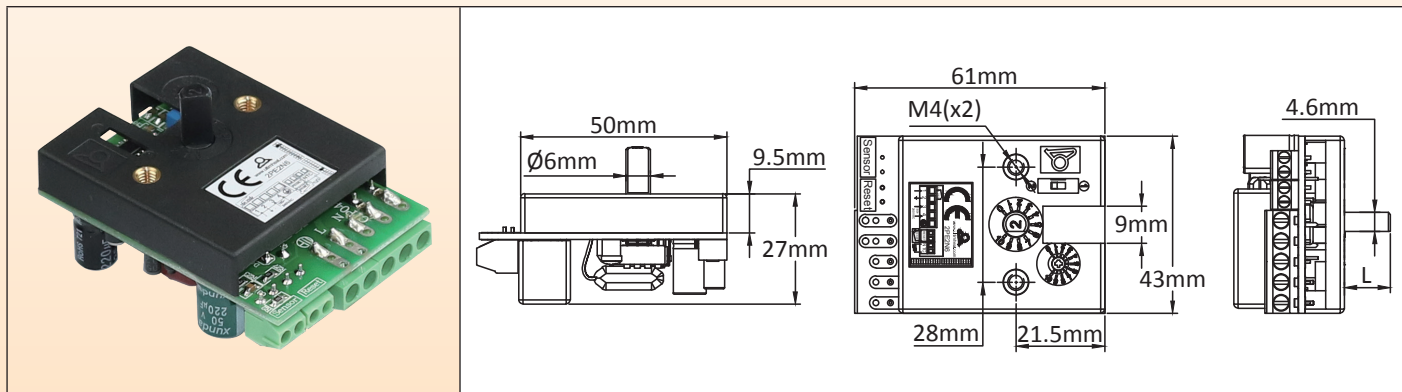


Electronic thermostat, multi range, control and manual reset action, for incorporation, NTC sensor

Type	Operation	Contact	Measurement	T° ranges	Models
Temperature control and limiter	Electronic	Open or close on rise	Remote		2PE2N6
					



Main features

This electronic thermostat for incorporation has been designed to replace electromechanical thermostats. It is mounted with two screws M4 at the same distance 28 mm, uses a 6mm dia. shaft with 4.6mm flat with the same length, and its rotation angle is 230 °. Therefore temperature ranges are quite the same than those of bulb and capillary thermostats. Its electrical rating (16A) is identical. It additionally features adjustable temperature differential, and heating or cooling relay output setting, and control or manual reset action can be set.

Action: On-Off.

Size: 60 x 43 x 23 mm.

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

Temperature ranges setting: Temperature range selection is made by dip switch on the printed circuit. 230° angulation set span

Temperature ranges: -35+35°C (-30+95°F); 0-10°C (32-50°F); 4-40°C (40-105°F); 30-90°C (85-190°F); 30-110°C (85-230°F); 20-125°C (68-260°F)

Temperature differential: Adjustable, by potentiometer with front access, from 0.25°C to 2.5°C (0.4 to 4°F) for temperature ranges 0-10°C (32-50°F) and 4-40°C (40-105°F) and 0.5 to 5.5°C (0.9 to 10°F) for other temperature ranges.

Accuracy: +/-1% of scale (NTC sensor tolerances not included).

Control or manual reset selection: can be selected with a miniature dip switch on the circuit.

Power supply: 180 to 240V, 50Hz or 60Hz.

Relay output: SPNO, 16A250V resistive, 100000 cycles.

Relay action: Heating or cooling, open or close on temperature rise output relay action can be selected by a dip switch with access from front side.

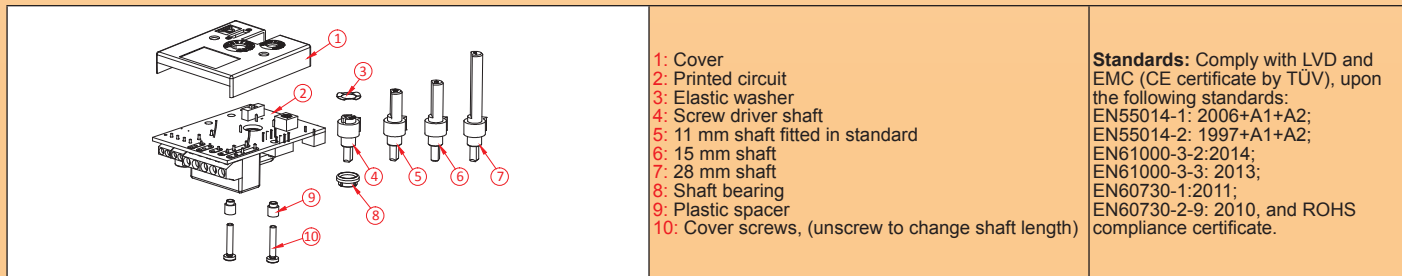
Ambient: -20+50°C, 10-85% RH.

Power: <2W

Electrical connections:

- Power supply and power relay: 2.5 mm² screw terminal block
- Temperature sensor: 1.5 mm² screw terminal block
- Manual reset: 1.5 mm² screw terminal block.

Adjustment shaft: The thermostats ships with a dia. 6mm with 4.6 mm flat shaft, length 11 mm, assembled. Included is also a set of: one 15mm shaft, one 28 mm shaft and one screw driver adjustment shaft.



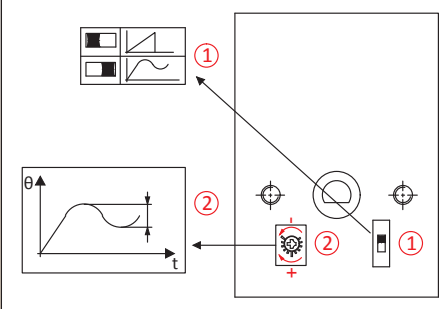
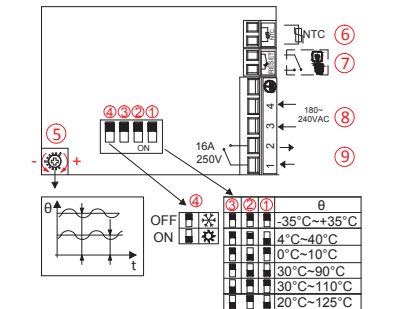
Reference: 2PE2N6

Because of permanent improvement of our products, drawings, descriptions, features used on these data sheets are for guidance only and can be modified without prior advice



Electronic thermostat, multi range, control and manual reset action, for incorporation, NTC sensor

Parameter adjustment

Front side		Backside																						
 <p>1: Selecting the temperature control function or manual reset *</p> <p>2: Differential adjustment (* the white square represents the lever of the slide switch)</p>		 <p>1, 2, 3: Selection of temperature ranges *</p> <p>4: Selection of heating control or cooling control *</p> <p>5: Offset adjustment</p> <p>6: Connection block for the NTC sensor</p> <p>7: Connection block for the manual reset switch if this function is selected</p> <p>8: Power supply of the electronic card</p> <p>9: Relay contact 16A 250V (* the white square represents the lever of the slide switch)</p> <table border="1" data-bbox="1039 442 1185 575"> <thead> <tr> <th>OFF</th> <th>ON</th> <th>θ</th> </tr> </thead> <tbody> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td>-35°C~+35°C</td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td>4°C~40°C</td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td>0°C~10°C</td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td>30°C~90°C</td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td>30°C~110°C</td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td>20°C~125°C</td> </tr> </tbody> </table>	OFF	ON	θ	<input type="checkbox"/>	<input type="checkbox"/>	-35°C~+35°C	<input type="checkbox"/>	<input type="checkbox"/>	4°C~40°C	<input type="checkbox"/>	<input type="checkbox"/>	0°C~10°C	<input type="checkbox"/>	<input type="checkbox"/>	30°C~90°C	<input type="checkbox"/>	<input type="checkbox"/>	30°C~110°C	<input type="checkbox"/>	<input type="checkbox"/>	20°C~125°C	
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Excerpt from catalogue 1-2



Page (.pdf)



Drawing 2D (.dwg)



Drawing 3D (.stp)

