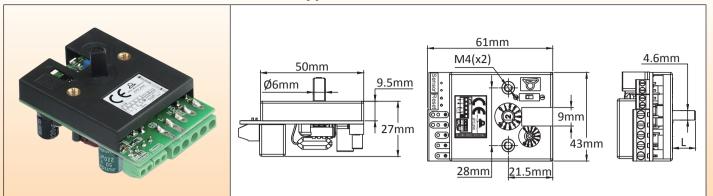
Electronic thermostat, multi range, control and manual reset action, for incorporation, <u>NTC sensor</u>

Type: 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°. Therefor temperature ranges are quite the same as the 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

Size: 00 X 43 X 23 mm. Temperature sensor: NTC thermistor, 10Kohms @25°C, B(25-50)= 3380. 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 din switch on the sincuit

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

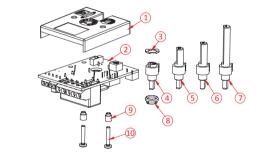
Power supply: 180 to 240V, 50Hz or 60Hz. Relay output: SPNO, 16A250V resistive, 100000 cycles.

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 thermostat is shipped 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.



Cover Printed circuit Elastic washer Screw driver shaft 11 mm shaft fitted in standard

15 mm shaft 28 mm shaft Shaft bearing

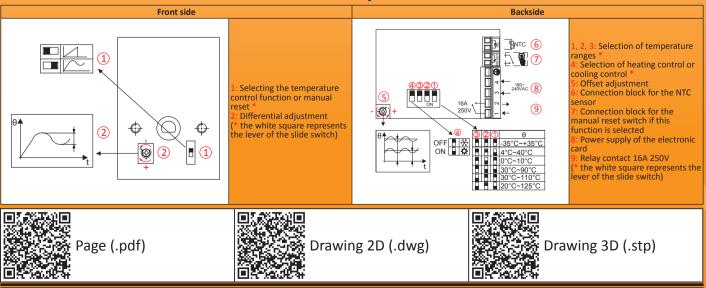
Plastic spacer

D: Cover screws, (unscrew to change shaft length)

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

2PE2N6 Reference:

Parameters adjustment

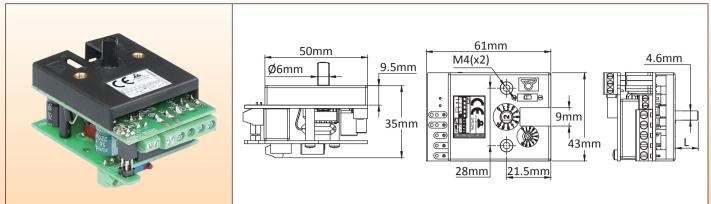


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Electronic thermostat, multi range, control and manual reset action, for incorporation, Pt100 sensor

Type: 2PE2P6



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°. Therefor temperature ranges are quite the same as the 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: 61 x 43 x 35 mm

Temperature sensor: Pt100.

Temperature ranges setting: Temperature range selection is made by dip switch on the printed circuit. 230° angulation set span. Temperature ranges: 30-110°C (85-230°F); 50-200°C (120-390°F); 50-300°C (120-570°F); 100-400°C (210-750°F); 100-500°C (210-930°F). Temperature differential: Adjustable, by potentiometer with front access, from 0.5°C to 5.5°C (0.9 to 10°F) for temperature ranges 30-110°C (85-230°F); and 50-200°C (120-390°F), and 1 to 10°C (1,8 to 18°F) for other temperature ranges. Accuracy: +/-1% of scale (Pt100 sensor tolerances not included). Control or manual reset colorities can be calculated with a maining of the mining of the mining of the manual reset colorities can be calculated by a subset of the mining of the m

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.

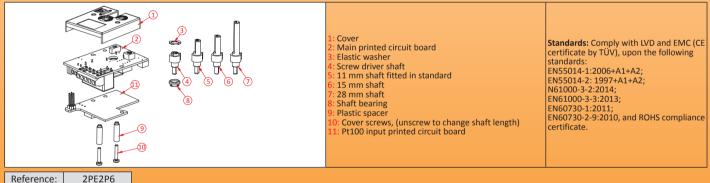
Relay action: Heating or cooling, open or close on temperature rise output relay action can be selected by a dip switch with access from front side.

Ambient: -20+50°C, 10-85% RH. Power: <2W

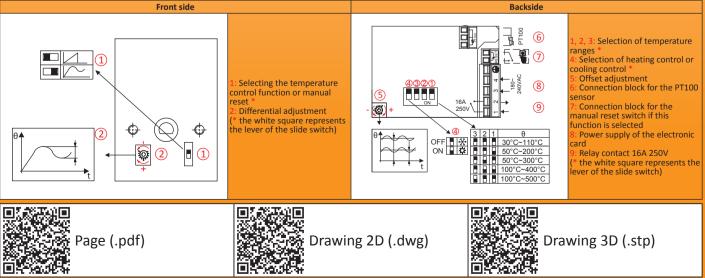
Electrical connections:

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 thermostat is shipped 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.

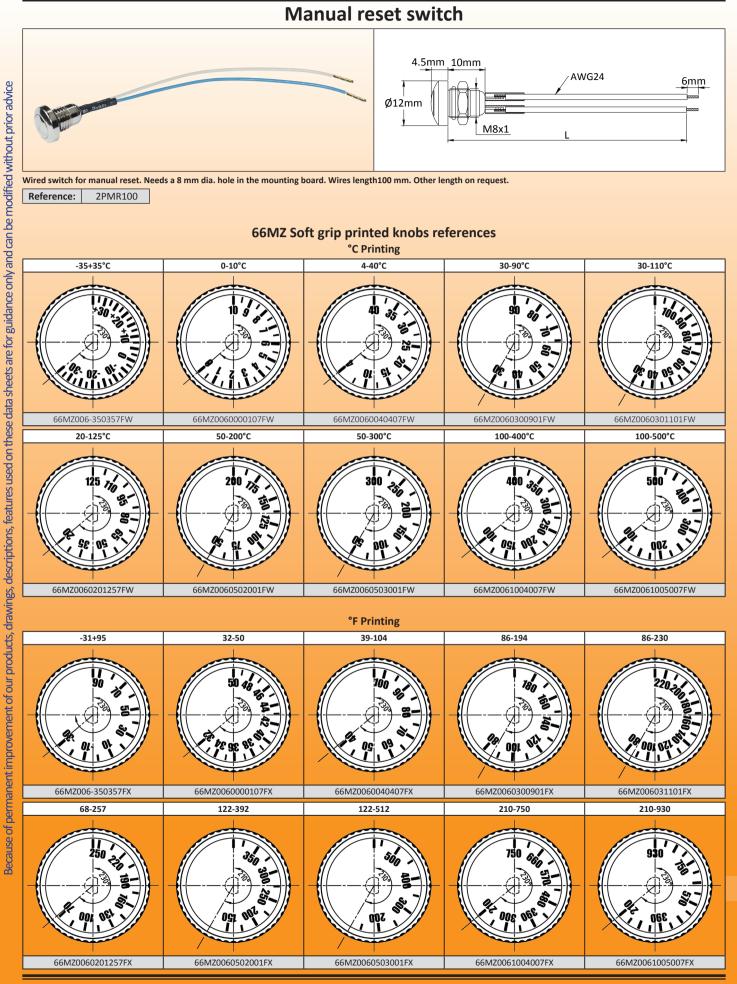


Parameters adjustment

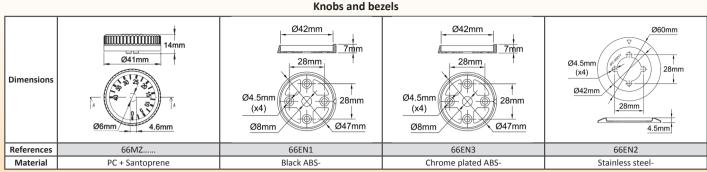


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Accessories for 2PE2N6 and 2PE2P6 (Must be ordered separately, not included in the electronic thermostat)

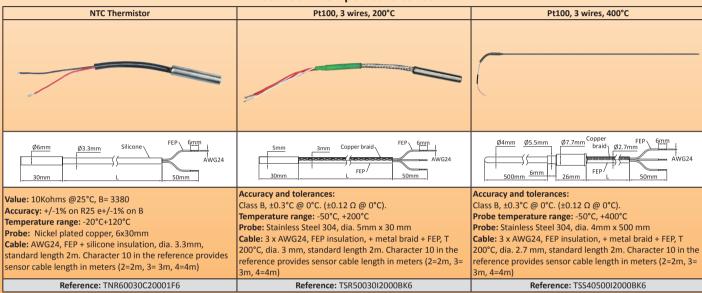


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Many other knobs are available, see last section of catalogue 1

Standard temperature sensors







Drawing 2D (.dwg)

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