

Electronic temperature control, rod

Enclosure	Type	Operation	Contact	Measurement	Ranges °C	Models
IP65,IK10	Control	Electronic	SPNO or SPNC	Rod		Y1R2P & Y1S2P
Material						
Aluminum						

Y1S2P: External adjustment (With pilot light)	Y1R2P: Internal adjustment (Without pilot light)		

Applications

These rod thermostats with **electronic sensor** can be installed inside pockets as immersion thermostats in pipelines and containers, and for monitoring temperature in air ducts, in usual industrial applications and environments. (Not suitable for hazardous areas).

Very low differential. On-Off action

Internal adjustment is convenient for products that must not be frequently adjusted.

Housing: Aluminum, IP65, IK10. Grey RAL7032 epoxy painting. Stainless steel captive cover screws. Captive aluminum lid.

Operation: Microprocessor electronic control thermostat.

Adjustment ranges: -35-35°C (-30+95°F) ; 0-10°C (32-50°F) ; 4-40°C (40-105°F) ; 30-90°C (85-195°F) ; 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).

Set point adjustment: By °C printed knob. All types have an adjustable rotation limit system located inside the knob that allows reducing the set point adjustment span. Types with external adjustment have a transparent window. This device allows seeing the pilot light and the knob position. °F values are available as an option.

Sensing element: NTC or Pt100 sensor located at the end of a dia.8mm stainless steel rod. An increased diameter under the thermostat head allows mounting pockets, coolers or brackets (See pockets in the accessories section)

Cable input and output: Two M20 cable glands, Black PA66. Internal electrical connection on screw terminals. 2 phase power supply (Line+ Neutral, 220~250V, 50Hz~60Hz) are mandatory.

Earthing: Internal and external screw terminal.

Pilot light: Allow to visualize thermostat contact output position. Standard for all models with transparent window. Non Standard and on special request only for models with plain aluminum cover.

Identification: Metallic identification label, riveted.

Contact: SPST. 16A (2.6), 250VAC. Open or close on temperature rise. (Contact action can be set on the circuit board.) Products are shipped in standard with contact open on temperature rise action, for use in heating applications.

Electrical life: >100.000 cycles.

Minimum storage temperature: -35°C (-30°F)

Maximum ambient temperature: 60°C (140°F)

For more technical information see 2PE2N6 thermostat technical data sheet