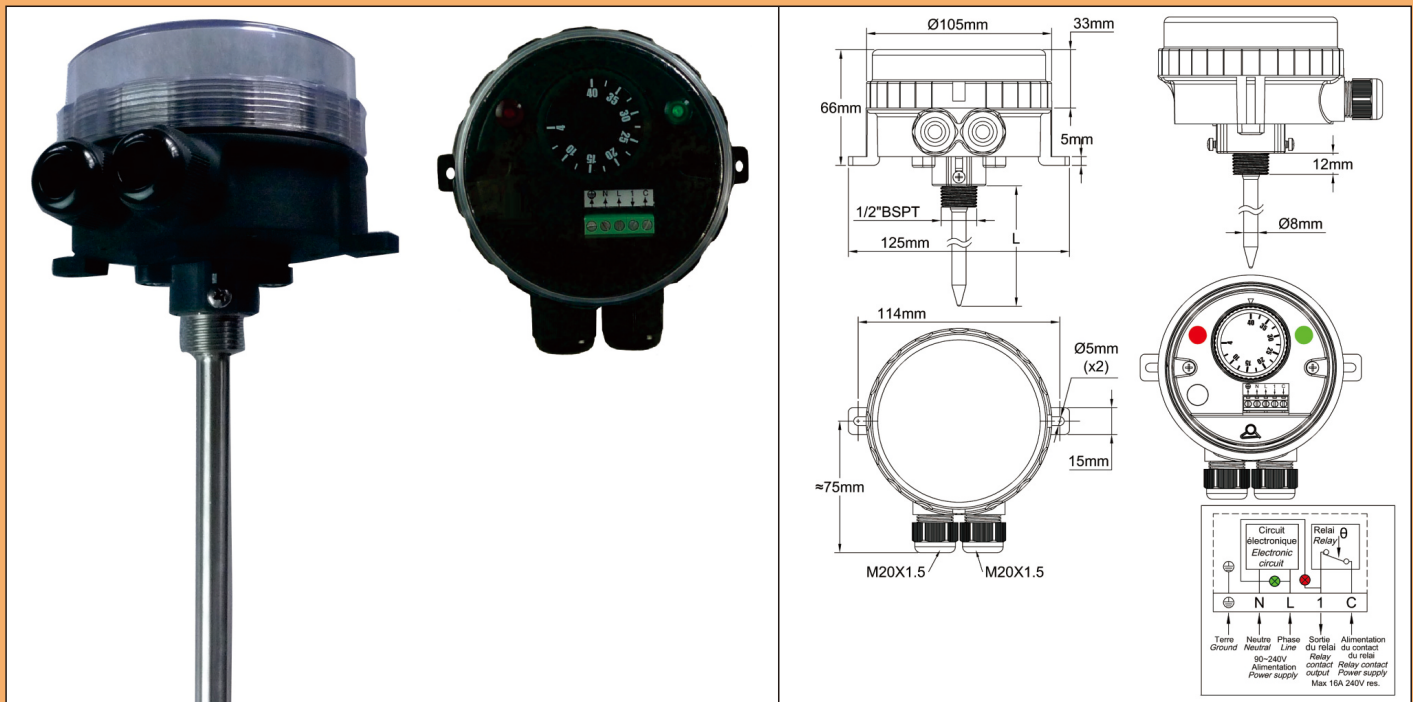


# Electronic thermostats, rod sensor

Enclosure	Type	Operation	Contact	Measurement	Ranges °C	Models
IP66,IK10	Control	Electronic	SPNO or SPNC	Probe		<b>YF42NC &amp; YF44NC</b>
Material						
PA66 & PC						



## Applications

**-Equipment requesting a very strong resistance to water ingress. The transparent cover allows to visualize the set point and the 2 pilot lights**

Temperature control with reduced differential, on-off action, in usual industrial application and environment, not hazardous areas. These **electronic** rod thermostats are installed inside pockets as immersion thermostats in pipelines and containers, and for monitoring temperature in air ducts. (Not suitable for hazardous areas).

**-Very small differential**

**Housing:** Protection class IP 66 upon EN 60529 (waterproof spray water under high pressure and sea splashes, totally dust tight). Body in black PA66, fiber glass reinforced. The transparent polycarbonate cover can be unscrewed by hand, but it is also possible to use a hook spanner. Mechanical impact resistance : IK10. High UV resistance.

**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. °F printed knobs available as an option.

**Operation:** Microprocessor electronic thermostat, on-off action  
Set point adjustment ranges: 4-40°C (40-105°F); 30-90°C (85-195°F); 30-110°C (85-230°F).

**Differential:** Differential is preset at the minimum value, but can be increased with a potentiometer located under the set point adjustment knob.

**Sensing element:** Dia. 5mm NTC sensor (10KOhms @25°C), inside nickel plated brass pocket. Thread ½" BSPT. Tube outside diameter 8mm. Maximum temperature on the probe: 120°C (250°F). Located at the bottom of the housing, 2 screws are used to secure standard pockets. (See the compatible brass pockets range in the accessories section).

**Pilot lights:** One pilot light visualizes the thermostat contact output position. The other visualizes the power supply input. Phase and line 230V power supply is mandatory for these pilot lights.

**Cable input and output:** Two M20 cable glands, built-in black PA66.

**Electrical connections:** Inside, on screw terminal connection block. It is possible to connect 2 wires 1.5mm<sup>2</sup> on each terminal.

**Earthing:** Internal screw terminal.

**Mounting:** By the pocket thread or by 2 legs with holes for screws dia. 4 to 5 mm, 114 mm distance.

**Identification:** Identification label on backside.

**Contact:** SPST. 16A (2.6), 250VAC. Open or close on temperature rise. Model with contact closing on temperature rise is used for refrigeration. Version with contact opening on temperature rise is used for heating.

**Electrical life:** >100.000 cycles.

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

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

For more technical information ask 2PE2N6 thermostat technical data sheet.