

# Rod thermostats, with built-in pilot light and 2 or 3 M20 cable glands, stainless steel or nickel plated brass pocket

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

Enclosure	Type	Operation	Contact	Measurement	Ranges °C	Models
IP55	Control	Mechanical	SPNC	Rod		<b>YOB8</b> <b>YOB9</b>
Material						
PC- ABS						

YOB8: External adjustment		YOB9: Internal adjustment	

## Applications

Ambient temperature control in professional premises where good protection against liquid splashes or dust is requested.

Output with 2 or 3 cable glands, allowing direct connection of heat tracing cables for freeze protection.

**Housing:** Reduced height, IP44, black PC-ABS fiberglass reinforced, UL94V0. High impact and UV resistance. 2 removable wall mounting lugs.

**Cable input:** M20 cable glands. Delivered with 2 or 3 cable glands. **Special cable glands for oblong or flat heat tracing cables are available on request.** Positioning the cable glands allows variations in the mounting position

**Set point adjustment:** By °C printed knob for external adjustment models, by screw driver and printed dial on internal adjustment models. °F values available in option

**Sensing element:** Liquid filled "pigtail" bulb, mounted on the side of plastic housing

**Adjustment ranges:** 4-40°C (40-105°F).

**Electrical connections:** On screw terminals. (It is possible to connect 2 wires 1.5mm<sup>2</sup> on each terminal). **One main terminal and 3 auxiliary terminals are available for neutral connection. This allows, for example, connecting two heat trace heaters.**

**Mounting:** Wall mounting, by two side lugs with holes for dia. 4mm screws, 69 mm distance.

**Contact:** SPNC (open on temperature rise).

**Pilot light:** Neon, 230V, standard in red, parallel connection on the load

**Electrical rating, resistive loads:**

16A 250V, 50 ~60Hz: >100000 cycles,

20A 250V, 50 ~60Hz: ≥50000 cycles,

10A 400V, 50 ~60Hz: ≥50000 cycles.

**Electrical rating, inductive loads:**

6A 250V, 50 ~60Hz: >100000 cycles

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

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

For more technical information see 8G thermostat technical data sheet



Contact us

Web: [www.ultimheat.com](http://www.ultimheat.com)

Cat2-2-6-5

# Rod thermostats, with built-in pilot light and 2 or 3 M20 cable glands, stainless steel or nickel plated brass pocket

## Main references with nickel plated brass pocket and 3 cable glands\*

Temperature ranges °C (°F)	Adjustment	References in °C with rod length L=90 mm**	References in °C with rod length L=230 mm**	References in °C with rod length L=300 mm**	Differential Differential °C (°F)	Max temperature on rod
-35+35°C (-30+95°F)	External		YOB8LD135035N23J	YOB8LD135035N30J	3±2°C (5.5±4°F)	55°C (130°F)
4-40°C (40-105°F)	External		YOB8LD104040N23J	YOB8LD104040N30J	2.5±1.5°C (4.5±2.5°F)	60°C (140°F)
30-90°C (85-195°F)	External	YOB8LD130090N09J	YOB8LD130090N23J	YOB8LD130090N30J	4±3°C (7±5.5°F)	120°C (250°F)
30-110°C (90-230°F)	External	YOB8LD130110N09J	YOB8LD130110N23J	YOB8LD130110N30J	5±3°C (9±7°F)	150°C (300°F)
-35+35°C (-30+95°F)	Internal		YOB9LD135035N23J	YOB9LD135035N30J	3±2°C (5.5±4°F)	55°C (130°F)
4-40°C (40-105°F)	Internal		YOB9LD104040N23J	YOB9LD104040N30J	2.5±1.5°C (4.5±2.5°F)	60°C (140°F)
30-90°C (85-195°F)	Internal	YOB8LD130090N09J	YOB9LD130090N23J	YOB9LD130090N30J	4±3°C (7±5.5°F)	120°C (250°F)
30-110°C (90-230°F)	Internal	YOB8LD130110N09J	YOB9LD130110N23J	YOB9LD130110N30J	5±3°C (9±7°F)	150°C (300°F)

\* 2 cable gland version: replace LD by KD in the reference

°F printing: replace last character (J) by K

\*\* AISI 304 pocket: replace N by I in the reference

## Knob printings

°C Printing				°F Printing			
-35+35°C	4-40°C	30-90°C	30-110°C	-30+90°F	40-105°F	85-195°F	85-230°F

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

