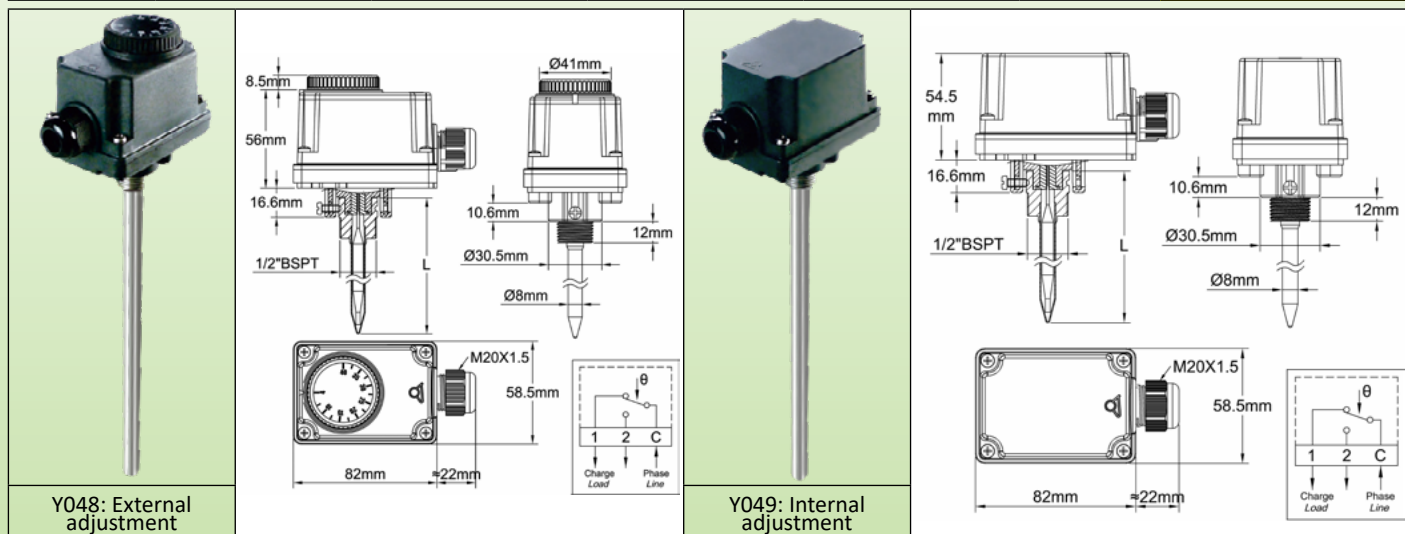




# Rod thermostats

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
IP44	Control	Mechanical	SPDT	Rod		<b>Y048</b> <b>Y049</b>
Material						
PC- ABS						



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

**Cable input:** One M20 cable gland.

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

**Sensing element:** Liquid filled bulb, located inside a backside mounted pocket in 304L stainless steel or nickel plated brass.

**Adjustment ranges:** -35+35°C (-30+95°F), 4-40°C (40-105°F), 30-90°C (85-195°F), 30-110°C (90-230°F)

**Rod length:** 90, 230, 300mm. Other length on request

**Electrical connections:** 3 screw terminal connection block

**Mounting:** by the 1/2" BSPT pocket fitting

**Contact:** SPDT

**Electrical rating, resistive loads:**

- Open on temperature rise contact (C-1)

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

20A 250V, 50 ~60Hz: ≥50000 cycles,

10A 400V, 50 ~60Hz: ≥50000 cycles.

- Close on temperature rise contact (C-2): 6A 250V, 50 ~60Hz: >100000 cycles

**Electrical rating, inductive loads:**

- Open on temperature rise contact (C-1): 6A 250V, 50 ~60Hz: >100000 cycles

- Close on temperature rise contact (C-2): 0.6A 250V, 50 ~60Hz: >100000 cycles.

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

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

**Option:** Short plastic pocket for swimming pool applications

For more technical information see 8G thermostat technical data sheet.

## Main references with external\* adjustment and nickel plated brass pocket

Temperature ranges °C (°F)	References with rod length L=90 mm	References with rod length L=230 mm	References in °C with rod length L=300 mm	Differential °C (°F)	Max temperature on rod °C (°F)
-35+35°C (-30+95°F)		Y048GB-35035N23J	Y048GB-35035N30J	1.6±1°C (2.9±2°F)	55 (130)
4-40°C (40-105°F)		Y048GB004040N23J	Y048GB004040N30J	1±0.5°C (1.8±1°F)	60 (140)
30-90°C (85-195°F)	Y048GB030090N09J	Y048GB030090N23J	Y048GB030090N30J	2.5±1°C (4.5±1.8°F)	120 (250)
30-110°C (90-230°F)	Y048GB030110N09J	Y048GB030110N23J	Y048GB030110N30J	2.5±1°C (4.5±1.8°F)	150 (300)

# Rod thermostats



## Main references with external\* adjustment and AISI 304 pocket

Temperature ranges °C (°F)	References with rod length L=90 mm	References with rod length L=230 mm	References in °C with rod length L=300 mm	Differential °C (°F)	Max temperature on rod
-35+35°C (-30+95°F)		Y048GB-35035I23J	Y048GB-35035I30J	1.6±1°C (2.9±2°F)	55 (130)
4-40°C (40-105°F)		Y048GB004040I23J	Y048GB004040I30J	1±0.5°C (1.8±1°F)	60 (140)
30-90°C (85-195°F)	Y048GB030090I09J	Y048GB030090I23J	Y048GB030090I30J	2.5±1°C (4.5±1.8°F)	120 (250)
30-110°C (90-230°F)	Y048GB030110I09J	Y048GB030110I23J	Y048GB030110I30J	2.5±1°C (4.5±1.8°F)	150 (300)

\* Internal adjustment: replace Y048 by Y049

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

## 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

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