

Bulb and capillary thermostats, with 2 built-in pilot lights

Enclosure	Type	Operation	Contact	Measurement	Ranges °C	Models
IP55	Control	Mechanical	SPNC	Remote		Y2D, Y2M
Material PC - ABS						

Y2D: External adjustment		Y2M: Internal adjustment	

Housing: PC-ABS, fiberglass reinforced, UL94V0. High impact and UV resistance, with waterproof gasket on thermostat shaft for external adjustment types. Internal adjustment types have a PC transparent cover, to visualize the pilot lights and the set point adjustment.

Cable input: M20 cable gland, Black PA66, for cables from 6 to 12mm dia.

Set point adjustment: By °C printed knob for external adjustment models, by screw driver and printed dial on internal adjustment models. External adjustment types have an adjustable rotation limit system located inside the knob that allows reducing the set point adjustment span. °F values are available in option.

Sensing element: Liquid filled bulb, distance measurement with capillary.

Temperature 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), 50-200°C (120-390°F), 50-300°C (120-570°F), 100-400°C (210-750°F), 100-500°C (210-930°F).

Capillary length: 1.5 m

Pilot lights: Allow to visualize the power supply and thermostat contact position (230V Phase and Neutral power supply is mandatory for pilot lights)

Electrical connections: On screw terminals. (It is possible to connect 2 wires 1.5mm² on each terminal). **In option, an auxiliary connection block can be added, providing 3 neutral terminals.**

Mounting: Wall mounting, by two side lugs with holes for dia. 4mm screws, on a 59 × 60mm diagonal.

Contact: SPNC (open on temperature rise).

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 ask 8G thermostat technical data sheet.

Main references

Temperature ranges °C (°F)	External adjustment	Internal adjustment	Bulb diameter (D, mm)	Bulb length (L, mm)	Differential °C (°F)	Max temperature on bulb °C (°F)
-35+35°C (-30+95°F)	Y2D8GD035035AO6J	Y2M8GD035035AO6J	6	98	1.6±1 (2.9±2)	55 (130)
4-40°C (40-105°F)	Y2D8GD004040AO6J	Y2M8GD004040AO6J	6	140	1±0.5 (1.8±1)	60 (140)
30-90°C (85-195°F)	Y2D8GD030090AO6J	Y2M8GD030090AO6J	6	87	2.5±1 (4.5±1.8)	120 (250)
30-110°C (90-230°F)	Y2D8GD030110AO6J	Y2M8GD030110AO6J	6	93	2.5±1 (4.5±1.8)	150 (300)
50-200°C (120-390°F)	Y2D8GD050200AO6J	Y2M8GD050200AO6J	6	59	4±2 (7±3.6)	250 (480)
50-300°C (120-570°F)	Y2D8GD050300AO3J	Y2M8GD050300AO3J	3	145	10±5 (18±9)	350 (660)
100-400°C (210-750°F)	Y2D8GD0A0400AO3J	Y2M8GD0A0400AO3J	3	93	10±5 (18±9)	430 (800)
100-500°C (210-930°F)	Y2D8GD0A0500AO4J	Y2M8GD0A0500AO4J	4	235	10±5 (18±9)	550 (1000)

Version with auxiliary 3 way neutral terminal: replace D0 by D1 in the reference

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



Contact us

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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

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Knob printings

°C Printing							
-35+35°C	4-40°C	30-90°C	30-110°C	50-200°C	50-300°C	100-400°C	100-500°C
°F Printing							
-30+95°F	40-105°F	85-195°F	90-230°F	120-390°F	120-570°F	210-750°F	210-930°F

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