

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

| Enclosure | Type | Operation | Contact | Measurement | Ranges °C | Models |
|-------------------------------|---------|------------|---------|-------------------------------|-----------|--------------------------------|
| IP55 | Control | Mechanical | SPNC | Rod | | Y0B8 & Y0B9 |
| Material | | | | | | |
| PC-ABS | | | | | | |
| Y0B8: External adjustment | | | | Y0B9: 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 1.5mm² 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

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 | | Y0B8LD135035N23J | Y0B8LD135035N30J | 3±2 (5.5±4) | 55°C (130°F) |
| 4-40°C (40-105°F) | External | | Y0B8LD104040N23J | Y0B8LD104040N30J | 2.5±1.5 (4.5±2.5) | 60°C (140°F) |
| 30-90°C (85-195°F) | External | Y0B8LD130090N09J | Y0B8LD130090N23J | Y0B8LD130090N30J | 4±3 (7±5.5) | 120°C (250°F) |
| 30-110°C (90-230°F) | External | Y0B8LD130110N09J | Y0B8LD130110N23J | Y0B8LD130110N30J | 5±3 (9±7) | 150°C (300°F) |
| -35+35°C (-30+95°F) | Internal | | Y0B9LD135035N23J | Y0B9LD135035N30J | 3±2 (5.5±4) | 55°C (130°F) |
| 4-40°C (40-105°F) | Internal | | Y0B9LD104040N23J | Y0B9LD104040N30J | 2.5±1.5 (4.5±2.5) | 60°C (140°F) |
| 30-90°C (85-195°F) | Internal | Y0B9LD130090N09J | Y0B9LD130090N23J | Y0B9LD130090N30J | 4±3 (7±5.5) | 120°C (250°F) |
| 30-110°C (90-230°F) | Internal | Y0B9LD130110N09J | Y0B9LD130110N23J | Y0B9LD130110N30J | 5±3 (9±7) | 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+95°F | 40-105°F | 85-195°F | 85-230°F |
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