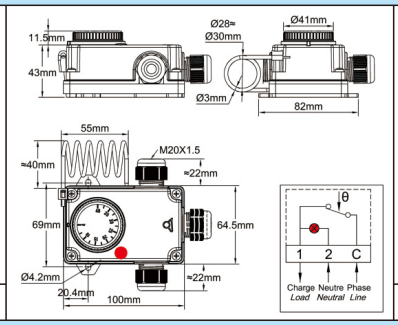
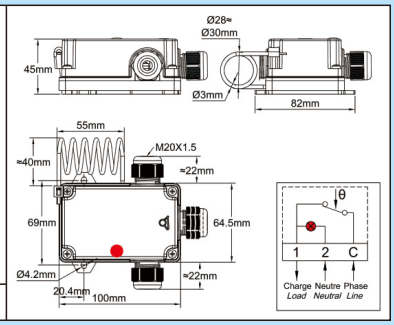
“Pigtail” bulb room thermostat, with built-in pilot light and 2 or 3 M20 cable glands

Enclosure	Type	Operation	Contact	Measurement	Ranges °C	Models
IP55	Control	Mechanical	SPNC	Ambient	+40°C / +4°C	Y0D8 & Y0D9
Material						
PC-ABS						

Y0D8: External adjustment



Y0D9: 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.

Main features

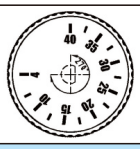
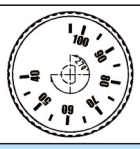
Housing: Reduced height, IP44, black PC-ABS fiberglass reinforced, UL94V0. High impact and UV resistance. 2 removable wall mounting lugs.
Cable input: M20 cable glands. Delivered with 2 or 3 cable glands. Special cable glands for oblong or flat heat tracing cables are available on request. Positioning 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 as an 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 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 3 cable glands*

Temperature ranges °C (°F)	Internal adjustment	External adjustment	Differential	Max temperature on bulb
4-40 (40-105)	Y0D9LD104040QB3J	Y0D8LD104040QB3J	1±0.5°C (1,8±1°F)	60°C (140°F)

*2 cable gland version: replace LD by KD in the reference
°F printing: replace last character (J) by K

Knob printings

°F Printing	°C Printing
40-105°F	4-40°C
	

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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