



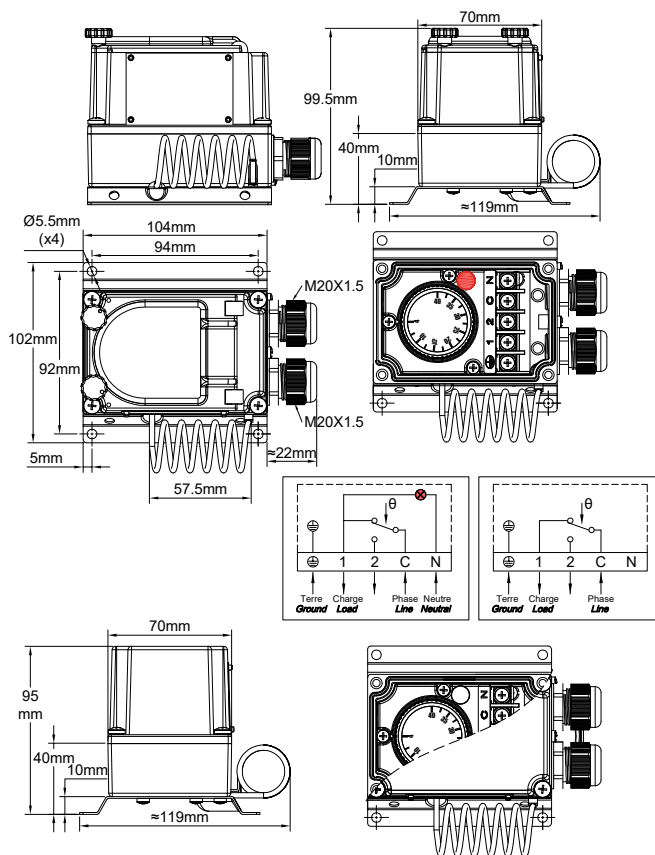
"Pigtail" bulb room thermostats with metal housing, for heat tracing

Enclosure	Type	Operation	Contact	Measurement	Ranges °C	Types
IP65, IK10	Control	Mechanical	SPDT	Ambient		Y1A8G & Y1B8G
Material						
Aluminum						

Y1B8G: External adjustment (With pilot light)



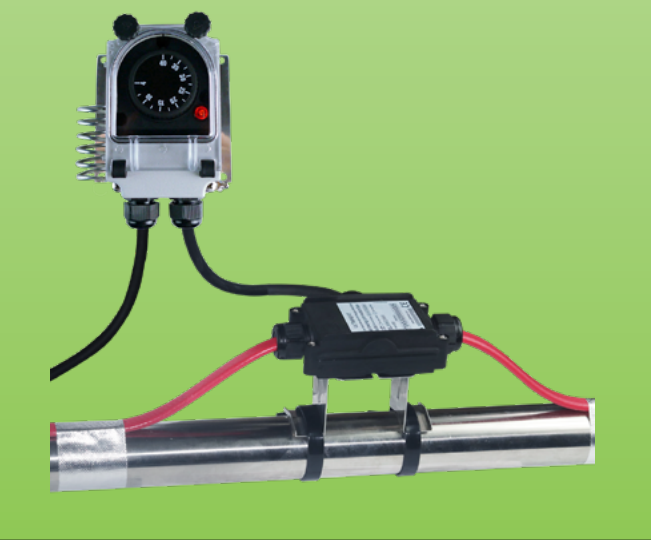
Y1A8G: Internal adjustment (Without pilot light)



Example of assembly on two heat tracing cables of one Y1B2P, in combination with Y29 connection box



Example of assembly on two heat tracing cables, with Y27 connection box, for steel pipe antifreeze protection



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“Pigtail” bulb room thermostats with metal housing, for heat tracing

Applications

- Heavy duty industrial environments. Robust and durable electromechanical system. Insensitive to voltage variations.
- Outdoor antifreeze temperature control of heaters and heat tracing cables.
- Wall mounting for indoor or outdoor temperature control of cold rooms.
- Temperature control of industrial or commercial premises.
- Green houses and livestock stables temperature control.

Housing: Aluminum, IP65, IK10. Mounted on a SUS304 stainless steel wall mounting plate which keeps the temperature sensing element away from the wall. Grey RAL7032 epoxy painting. Stainless steel captive cover screws. Captive aluminum lid.

Set point adjustment ranges: 4-40°C (40-105°F)

Set point adjustment: By °C printed knob. All types have an adjustable rotation limit system located inside the knob that allows reducing the set point adjustment span. Types with external adjustment have a transparent window. This device allows seeing the pilot light and the knob position. °F values are available as an option.

Action: Temperature control.

Sensing element: Liquid filled “pigtail” bulb, mounted on the side of plastic housing.

Electrical connections: Inside, on screw terminal connection block.

Earthing: Internal and external screw terminal.

Pilot light: Allow to visualize thermostat contact output position. Standard for all models with transparent window. Non standard and on special request only for models with plain aluminum cover.

Cable input and output: Two M20 cable glands, Black PA66.

Mounting: Wall mounting, by 4 holes for screws dia. 4 to 5 mm, 94 x 92 mm distance.

Identification: Metallic identification label, riveted.

Contact: SPDT

Electrical rating, resistive loads:
16A 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)

Options: Models with bulb and capillary for distant measurement

For more technical information about the thermostat used inside this housing, see 8G thermostat technical data sheet in the catalog number 1.

References principales

Temperature adjustment ranges °C (°F)	References with external adjustment	References with internal adjustment	Differential °C (°F)
4-40°C (40-105°F)	Y1B8G4040AQ30001J	Y1A8G4040AQ30001J	1.6±1°C (2.9±2°F)

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

Knob printings		Similar products (For more information these models, see the catalogue number 2, second edition)	
°F Printing	°C Printing	Y1R8G	Y1I8G
40-105°F	4-40°C	Thermostat with distant sensor and internal adjustment	Thermostat with distant sensor and adjustment under window

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