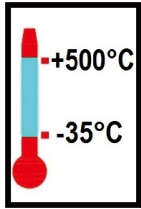

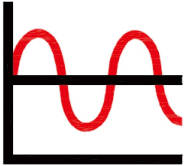
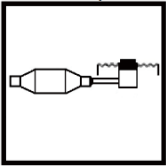


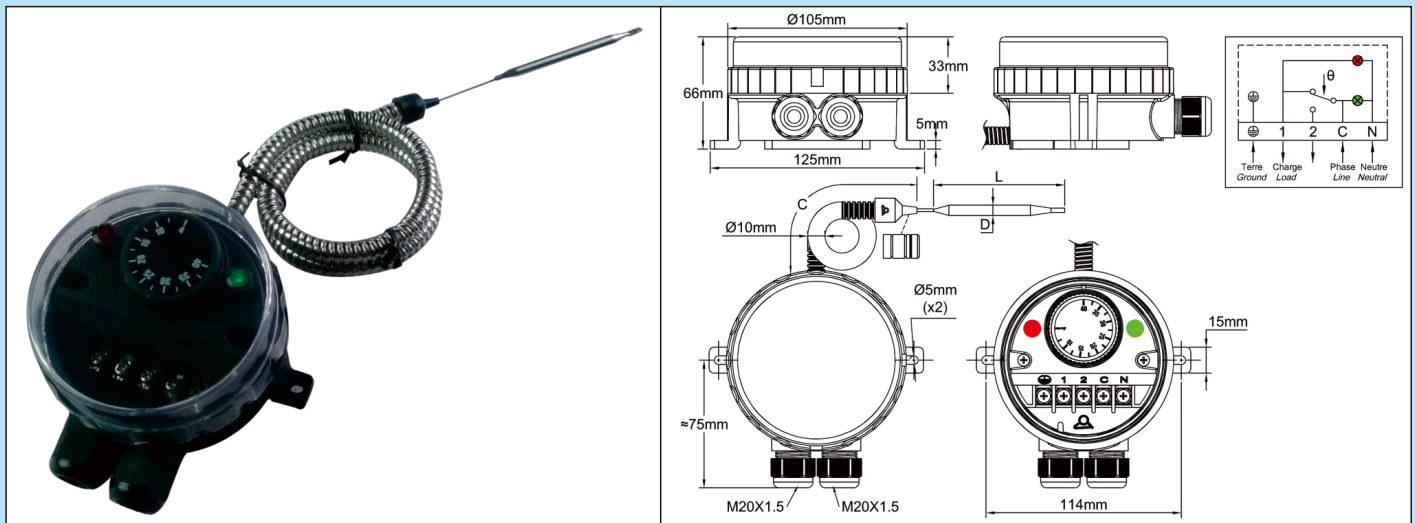


Bulb and capillary thermostats

Enclosure	Type	Operation	Contact	Measurement	Ranges °C	Models
IP66, IK10	Control	Mechanical	SPDT	Remote		
Material						
PA66 & PC						



Applications

-Equipment requesting a very strong resistance to water ingress. The transparent cover allows to visualize the set point and the 2 pilot lights

Remote control in usual industrial application and environment, not hazardous areas.

Housing: Protection class IP 66 upon EN 60529 (waterproof spray water under high pressure and sea splashes, totally dust tight). Body in black PA66, fiber glass reinforced. The transparent polycarbonate cover can be unscrewed by hand, but it is also possible to use a hook spanner. Mechanical impact resistance : IK10. High UV resistance.

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. °F printed knobs available as an option.

Action: Temperature control. On-Off action.

Sensing element: Liquid expansion bulb and capillary. The capillary is protected by a stainless steel corrugated pipe terminated by a silicone tip. A plastic cap plug provided as standard accessory allows locking the flexible metal conduit inside a pocket (See pockets in the accessories section).

Pilot lights: One pilot light visualizes the thermostat contact output position. The other visualizes the power supply input. Phase and neutral electrical line supply are mandatory for these pilot lights.

Set point adjustment ranges: -35+35°C (-30+95°F); -10+40°C (15-105°F); 4-40°C (40-105°F); 0-60°C (32-140°F); 0-90°C (32-195°F); 30-90°C (85-195°F); 30-110°C (85-230°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)

Cable input and output: Two M20 cable glands, built-in black PA66.

Electrical connections: Inside, on screw terminal connection block. It is possible to connect 2 wires 1.5mm² on each terminal.

Earthing: Internal screw terminal.

Mounting: Wall mounting, by 2 legs with holes for screws dia. 4 to 5 mm, 114 mm distance

Identification: Identification label on backside

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): 2.6A 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)

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

Bulb and capillary thermostats

(P2)

Main references

Temperature range °C (°F)	References	Capillary length (C, mm)	Bulb diameter (D, mm)	Bulb length (E, mm)	Differential °C (°F)	Max temperature on bulb °C (°F)
-35+35°C (-30+95°F)	YF9GNC35035156ZJ	1500	6	120±5	1,6±1°C (2,9±2°F)	60°C (140°F)
-10+40°C (15-105°F)	YF9GNC10040156ZJ	1500	6	107±5	1,5±1°C (2,7±2°F)	70°C (158°F)
4-40°C (40-105°F)	YF9GNC04040156ZJ	1500	6	120±5	1±0.5°C (1,8±1°F)	70°C (158°F)
0-60°C (32-140°F)	YF9GNC00060156ZJ	1500	6	86±5	2.5±1°C (4,5±1,8°F)	80°C (176°F)
0-90°C (32-195°F)	YF9GNC00090156ZJ	1500	6	98±5	2.5±1°C (4,5±1,8°F)	120°C (250°F)
30-90°C (85-195°F)	YF9GNC30090156ZJ	1500	6	98±5	2.5±1°C (4,5±1,8°F)	120°C (250°F)
30-110°C (85-230°F)	YF9GNC30110156ZJ	1500	6	86±5	2.5±1°C (4,5±1,8°F)	140°C (284°F)
50-200°C (120-390°F)	YF9GNC50200156ZJ	1500	6	65±5	4±2°C (7±3.6°F)	230°C (446°F)
50-300°C (120-570°F)	YF9GNC50300153ZJ	1500	3	145±5	10°C±2°C (18±3.6°F)	330°C (626°F)
100-400°C (210-750°F)	YF9GNCA0400153ZJ	1500	3	93±5	10°C±2°C (18±3.6°F)	430°C (800°F)
100-500°C (210-930°F)	YF9GNCA0500144ZJ	1400	4	235±5	10°C±2°C (18±3.6°F)	550°C (1000°F)

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

Knob printings

°C Printing					
0-10	-35+35°C	-10+40°C	4-40°C	0-60°C	0-90°C
30-90°C	30-110°C	50-200°C	50-300°C	100-400°C	100-500°C

°F Printing					
0-10	-30+95°F	15-105°F	40-105°F	32-140°F	32-195°F
85-195°F	85-230°F	120-390°F	120-570°F	210-750°F	210-930°F

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

