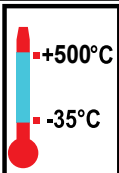
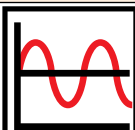
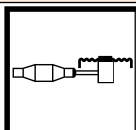
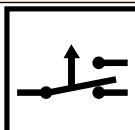
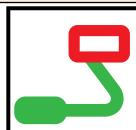
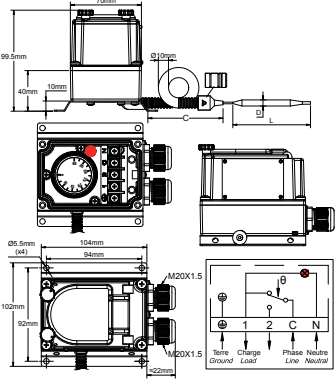
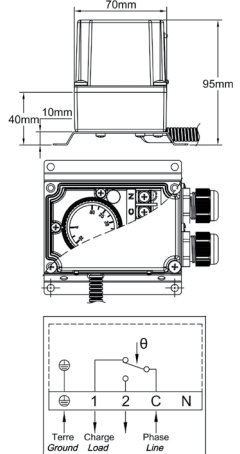


Bulb and capillary thermostats

Enclosure	Type	Operation	Contact	Measurement	Ranges °C	Models
IP65, IK10	Control	Mechanical	SPDT	Remote		Y1I8G, Y1G8G
Material						
Aluminum						

 Y1I8G: External adjustment (With pilot light)		 Y1G8G: Internal adjustment (Without pilot light)	
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Applications

Remote control in usual industrial applications and environments, not hazardous areas.
Internal adjustment is convenient for products that must not be frequently adjusted.

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

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)

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 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).

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 gland, Black PA66.

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

Identification: Metallic identification label, riveted.

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): 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.



Contact us

Web: www.ultimheat.com

Cat2-2-5-13

Bulb and capillary thermostats

Main references

Temperature range °C (°F)	Reference with external adjustment	Reference with internal adjustment	Capillary length (C, mm)	Bulb diameter (D, mm)	Bulb length (L, mm)	Differential °C (°F)	Max temperature on bulb °C (°F)
-35+35°C (-30+95°F)	Y1I8G5035AO6000J	Y1G8G5035AO6000J	1500	6	120±5	1.6±1°C (2.9±2°F)	60°C (140°F)
-10+40°C (15-105°F)	Y1I8G0040AO6000J	Y1G8G0040AO6000J	1500	6	107±5	1.5±1°C (2.7±2°F)	70°C (158°F)
4-40°C (40-105°F)	Y1I8G4040AO6000J	Y1G8G4040AO6000J	1500	6	120±5	1±0.5°C (1.8±1°F)	70°C (158°F)
0-60°C (32-140°F)	Y1I8G0060AO6000J	Y1G8G0060AO6000J	1500	6	86±5	2.5±1°C (4.5±1.8°F)	80°C (176°F)
0-90°C (32-195°F)	Y1I8G0090AO6000J	Y1G8G0090AO6000J	1500	6	98±5	2.5±1°C (4.5±1.8°F)	120°C (250°F)
30-90°C (85-195°F)	Y1I8G3090AO6000J	Y1G8G3090AO6000J	1500	6	98±5	2.5±1°C (4.5±1.8°F)	120°C (250°F)
30-110°C (85-230°F)	Y1I8G3110AO6000J	Y1G8G3110AO6000J	1500	6	86±5	2.5±1°C (4.5±1.8°F)	140°C (284°F)
50-200°C (120-390°F)	Y1I8G5200AO6000J	Y1G8G5200AO6000J	1500	6	65±5	4±2°C (7±3.6°F)	230°C (446°F)
50-300°C (120-570°F)	Y1I8G5300AO3000J	Y1G8G5300AO3000J	1500	3	145±5	10°C±2°C (18±3.6°F)	330°C (626°F)
100-400°C (210-750°F)	Y1I8GA400AO3000J	Y1G8GA400AO3000J	1500	3	93±5	10°C±2°C (18±3.6°F)	430°C (800°F)
100-500°C (210-930°F)	Y1I8GA500AN4000J	Y1G8GA500AN4000J	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°C	-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					
32-50°F	-30+90°F	15-105°F	40-105°F	30-140°F	30-195°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, features used on these data sheets are for guidance only and can be modified without prior advice

