

# Rod thermostats, temperature control

(P2)

## Main references\*

Temperature range °C (°F)	Reference with external adjustment	Reference with internal adjustment	Rod length *(L, mm)	Rod diameter (D, mm)	Temperature sensing length (mm)	Differential °C (°F)	Max temperature on rod °C (°F)
-35+35°C (-30+95°F)	Y1S8G5035AO1023J	Y1R8G5035AO1023J	230	10	140	1,6±1°C (2,9±2°F)	60°C (140°F)
-35+35°C (-30+95°F)	Y1S8G5035AO1030J	Y1R8G5035AO1030J	300	10	140	1,6±1°C (2,9±2°F)	60°C (140°F)
-10+40°C (15-105°F)	Y1S8G0040AO1023J	Y1R8G0040AO1023J	230	10	140	1,5±1°C (2,7±2°F)	70°C (158°F)
-10+40°C (15-105°F)	Y1S8G0040AO1030J	Y1R8G0040AO1030J	300	10	140	1,5±1°C (2,7±2°F)	70°C (158°F)
4-40°C (40-105°F)	Y1S8G4040AO1023J	Y1R8G4040AO1023J	230	10	140	1±0,5°C (1,8±1°F)	70°C (158°F)
4-40°C (40-105°F)	Y1S8G4040AO1030J	Y1R8G4040AO1030J	300	10	140	1±0,5°C (1,8±1°F)	70°C (158°F)
4-40°C (40-105°F)	Y1S8G4040AO1045J	Y1R8G4040AO1045J	450	10	140	1±0,5°C (1,8±1°F)	70°C (158°F)
0-60°C (32-140°F)	Y1S8G0060AO1023J	Y1R8G0060AO1023J	230	10	87	2.5±1°C (4,5±1,8°F)	80°C (176°F)
0-60°C (32-140°F)	Y1S8G0060AO1030J	Y1R8G0060AO1030J	300	10	87	2.5±1°C (4,5±1,8°F)	80°C (176°F)
0-60°C (32-140°F)	Y1S8G0060AO1045J	Y1R8G0060AO1045J	450	10	87	2.5±1°C (4,5±1,8°F)	80°C (176°F)
0-60°C (32-140°F)	Y1S8G0060AO1060J	Y1R8G0060AO1060J	600	10	87	2.5±1°C (4,5±1,8°F)	80°C (176°F)
0-90°C (32-195°F)	Y1S8G0090AO1023J	Y1R8G0090AO1023J	230	10	87	2.5±1°C (4,5±1,8°F)	120°C (250°F)
0-90°C (32-195°F)	Y1S8G0090AO1030J	Y1R8G0090AO1030J	300	10	87	2.5±1°C (4,5±1,8°F)	120°C (250°F)
0-90°C (32-195°F)	Y1S8G0090AO1045J	Y1R8G0090AO1045J	450	10	87	2.5±1°C (4,5±1,8°F)	120°C (250°F)
0-90°C (32-195°F)	Y1S8G0090AO1060J	Y1R8G0090AO1060J	600	10	87	2.5±1°C (4,5±1,8°F)	120°C (250°F)
30-90°C (85-195°F)	Y1S8G3090AO1023J	Y1R8G3090AO1023J	230	10	87	2.5±1°C (4,5±1,8°F)	120°C (250°F)
30-90°C (85-195°F)	Y1S8G3090AO1030J	Y1R8G3090AO1030J	300	10	87	2.5±1°C (4,5±1,8°F)	120°C (250°F)
30-90°C (85-195°F)	Y1S8G3090AO1045J	Y1R8G3090AO1045J	450	10	87	2.5±1°C (4,5±1,8°F)	120°C (250°F)
30-90°C (85-195°F)	Y1S8G3090AO1060J	Y1R8G3090AO1060J	600	10	87	2.5±1°C (4,5±1,8°F)	120°C (250°F)
30-110°C (85-230°F)	Y1S8G3110AO1023J	Y1R8G3110AO1023J	230	10	83	2.5±1°C (4,5±1,8°F)	140°C (284°F)
30-110°C (85-230°F)	Y1S8G3110AO1030J	Y1R8G3110AO1030J	300	10	83	2.5±1°C (4,5±1,8°F)	140°C (284°F)
30-110°C (85-230°F)	Y1S8G3110AO1045J	Y1R8G3110AO1045J	450	10	83	2.5±1°C (4,5±1,8°F)	140°C (284°F)
30-110°C (85-230°F)	Y1S8G3110AO1060J	Y1R8G3110AO1060J	600	10	83	2.5±1°C (4,5±1,8°F)	140°C (284°F)
50-200°C (120-390°F)	Y1S8G5200AO1023J	Y1R8G5200AO1023J	230	10	59	4±2°C (7±3,6°F)	230°C (446°F)
50-200°C (120-390°F)	Y1S8G5200AO1030J	Y1R8G5200AO1030J	300	10	59	4±2°C (7±3,6°F)	230°C (446°F)
50-200°C (120-390°F)	Y1S8G5200AO1045J	Y1R8G5200AO1045J	450	10	59	4±2°C (7±3,6°F)	230°C (446°F)
50-200°C (120-390°F)	Y1S8G5200AO1060J	Y1R8G5200AO1060J	600	10	59	4±2°C (7±3,6°F)	230°C (446°F)
50-300°C (120-570°F)	Y1S8G5300AO0823J	Y1R8G5300AO0823J	230	8	165	10°C±2°C (18±3,6°F)	330°C (626°F)
50-300°C (120-570°F)	Y1S8G5300AO0830J	Y1R8G5300AO0830J	300	8	165	10°C±2°C (18±3,6°F)	330°C (626°F)
50-300°C (120-570°F)	Y1S8G5300AO0845J	Y1R8G5300AO0845J	450	8	165	10°C±2°C (18±3,6°F)	330°C (626°F)
50-300°C (120-570°F)	Y1S8G5300AO0860J	Y1R8G5300AO0860J	600	8	165	10°C±2°C (18±3,6°F)	330°C (626°F)
100-400°C (210-750°F)	Y1S8GA400AO0823J	Y1R8GA400AO0823J	230	8	165	10°C±2°C (18±3,6°F)	430°C (800°F)
100-400°C (210-750°F)	Y1S8GA400AO0830J	Y1R8GA400AO0830J	300	8	165	10°C±2°C (18±3,6°F)	430°C (800°F)
100-400°C (210-750°F)	Y1S8GA400AO0845J	Y1R8GA400AO0845J	450	8	165	10°C±2°C (18±3,6°F)	430°C (800°F)
100-400°C (210-750°F)	Y1S8GA400AO0860J	Y1R8GA400AO0860J	600	8	165	10°C±2°C (18±3,6°F)	430°C (800°F)
100-500°C (210-930°F)	Y1S8GA500AN0830J	Y1R8GA500AN0830J	300	8	250	10°C±2°C (18±3,6°F)	550°C (1000°F)
100-500°C (210-930°F)	Y1S8GA500AN0845J	Y1R8GA500AN0845J	450	8	250	10°C±2°C (18±3,6°F)	550°C (1000°F)
100-500°C (210-930°F)	Y1S8GA500AN0860J	Y1R8GA500AN0860J	600	8	250	10°C±2°C (18±3,6°F)	550°C (1000°F)

\*F printing: replace last character (J) by K

\*Above 200°C we recommend to use a rod cooler reference 66RF07015 or 66RF0701F12 between the rod and the enclosure (see accessories). Caution: This cooler reduces the usable rod length by 70mm

## 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