

Manual reset electronic adjustable limiter, remote sensor

Enclosure	Type	Operation	Contact	Measurement	Ranges °C	Models
IP65, IK10	Limiter	Electronic	SPNO or SPNC	Remote		Y1I2L & Y1G2L
Material						
Aluminum						

Y1I2L: External adjustment and external reset (With pilot light)	Y1G2L: Internal adjustment and reset (Without pilot light)	

Applications

Temperature **high limit**, in usual industrial application and environment, non-hazardous areas.

Internal adjustment is convenient for products that must not be frequently adjusted.

Use of electronic sensor allows **measurement at long distances**, which is not possible with bulb and capillary types.

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.

Operation: Microprocessor manual reset electronic limiter, with adjustable set point.

Adjustment ranges: -35-35°C (-30+95°F); 0-10°C (32-50°F); 4-40°C (40-105°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 in option.

Reset: by push button switch beside the knob

Sensing element: NTC or Pt100 sensor. The sensor cable 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). Standard cable length 2m. Other lengths on request.

Cable input and output: Two M20 cable gland, Black PA66. Internal electrical connection on screw terminals. 2 phase power supply (Line+ Neutral, 220~250V, 50Hz~60Hz) are mandatory.

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.

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

Identification: Metallic identification label, riveted.

Contact: SPST. 16A (2.6), 250VAC. Open or close on temperature rise. Contact close on temperature rise model is used to switch on alarm. Contact open on temperature rise version is used to switch off heating.

Electrical life: >100.000 cycles.

Minimum Storage temperature: -35°C (-30°F)

Maximum ambient temperature: 60°C (140°F)

For more technical information see 2PE2N6 thermostat technical data sheet

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(P2)

Main references

Temperature adjustment ranges °C (°F)	Temperature sensor	Open on temperature rise contact		Close on temperature rise contact	
		References with external adjustment	References with internal adjustment	References with external adjustment	References with internal adjustment
-35+35°C (-30+95°F)	NTC (10KOhms @25°C)	Y1I2LN6F2350352J	Y1G2LN6F2350352J	Y1I2LN6G2350352J	Y1G2LN6G2350352J
0-10°C (32-50°F)	NTC (10KOhms @25°C)	Y1I2LN6F2000102J	Y1G2LN6F2000102J	Y1I2LN6G2000102J	Y1G2LN6G2000102J
4-40°C (40-105°F)	NTC (10KOhms @25°C)	Y1I2LN6F2040402J	Y1G2LN6F2040402J	Y1I2LN6G2040402J	Y1G2LN6G2040402J
30-90°C (85-195°F)	NTC (10KOhms @25°C)	Y1I2LN6F2300902J	Y1G2LN6F2300902J	Y1I2LN6G2300902J	Y1G2LN6G2300902J
30-110°C (85-230°F)	NTC (10KOhms @25°C)	Y1I2LN6F2301102J	Y1G2LN6F2301102J	Y1I2LN6G2301102J	Y1G2LN6G2301102J
50-200°C (120-390°F)	Pt100	Y1I2LP6F2502002J	Y1G2LP6F2502002J	Y1I2LP6F2502002J	Y1G2LP6F2502002J
50-300°C (120-570°F)	Pt100	Y1I2LP6F2503002J	Y1G2LP6F2503002J	Y1I2LP6F2503002J	Y1G2LP6F2503002J
100-400°C (210-750°F)	Pt100	Y1I2LP6F2A04002J	Y1G2LP6F2A04002J	Y1I2LP6F2A04002J	Y1G2LP6F2A04002J
100-500°C (210-930°F)	Pt100	Y1I2LP6F2A05002J	Y1G2LP6F2A05002J	Y1I2LP6F2A05002J	Y1G2LP6F2A05002J

°F printing: replace last character (J) by K
Character 15 gives the sensor cable length (2m)

Knob printings

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

°F Printing				
-30+95°F	32-50°F	40-105°F	85-195°F	85-230°F
120-390°F	120-570°F	210-750°F	210-930°F	