

Fixed setting manual reset bulb and capillary limiter

Enclosure	Type	Operation	Contact	Measurement	Ranges °C	Models
IP65 IK10	Manual reset	Mechanical	SPNC	Bulb and Capillary		Y118L & Y1G8L
Material						
Aluminum						



**Y118L: External manual reset
(With pilot light)**

**Y1G8L: Internal manual reset
(Without pilot light)**

Applications

- Remote control in usual industrial applications and environments, not hazardous areas, for use as **high limit safety**.
- **Sealed temperature set point**
- Internal reset is convenient for products that must not be frequently reset.

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

Action: Fail safe manual reset high temperature limit.

Set point calibration value: 80±8°C (176±15°F), 90±8°C (194±15°F), 110±8°C (230±15°F), 130±8°C (266±15°F), 150±8°C (302±15°F), 175±8°C (347±15°F), 220±11°C (428±20°F), 270±13°C (518±23°F), 300±15°C (572±27°F). Other calibration temperature on request, between 30°C and 320°C (85°F and 610°F)

Temperature adjustment: Fixed setting, sealed, no access to user.

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. Possibility to connect two wires 1.5mm² on each terminal.

Pilot light: Allows to visualize limiter contact output position. Standard for all models with transparent window. Non-standard and on special request only for models with plain aluminum cover. (230V, 2 phase power supply, is mandatory for the pilot light)

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

Earthing: Internal and external screw terminal.

Cable output: M16 cable gland, PA66, for cables up to 10 mm dia.

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

Identification: Metallic identification label, riveted. Set point calibration is printed in °C and °F beside the manual reset button.

Contact: Single pole, open on temperature rise (SPNC)

Electrical rating: 16A res. 250/400VAC

-Electrical life > **6.000 cycles**.

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

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

For more technical information ask 8L limiter technical data sheet (catalog 1)

Main references

Calibration temperature °C (°F)	References with external adjustment	References with internal adjustment	Minimum resettable temperature °C (°F)	Capillary length (C, mm)	Bulb diameter (D, mm)	Bulb length (L, mm)	Max temperature on bulb °C (°F)
80±8°C (176±15°F)	Y118L0080105AO6D	Y1G8L0080105AO6D	52°C (126°F)	1500	6	77	105°C (221°F)
90±8°C (194±15°F)	Y118L0090115AO6D	Y1G8L0090115AO6D	60°C (140°F)	1500	6	77	115°C (239°F)
110±8°C (230±15°F)	Y118L0110135AO6D	Y1G8L0110135AO6D	75°C (167°F)	1500	6	77	135°C (275°F)
130±8°C (266±15°F)	Y118L0130155AO6D	Y1G8L0130155AO6D	80°C (176°F)	1500	6	74	155°C (311°F)
150±8°C (302±15°F)	Y118L0150175AO6D	Y1G8L0150175AO6D	95°C (203°F)	1500	6	74	175°C (347°F)
175±8°C (347±15°F)	Y118L0175200AO4D	Y1G8L0175200AO4D	115°C (239°F)	1500	4	95	200°C (392°F)
220±11°C (428±20°F)	Y118L0220245AO4D	Y1G8L0220245AO4D	140°C (284°F)	1500	4	90	245°C (473°F)
270±13°C (518±23°F)	Y118L0270295AO4D	Y1G8L0270295AO4D	160°C (320°F)	1500	4	85	295°C (563°F)
300±15°C (572±27°F)	Y118L0300325AO4D	Y1G8L0300325AO4D	160°C (320°F)	1500	4	82	325°C (617°F)