

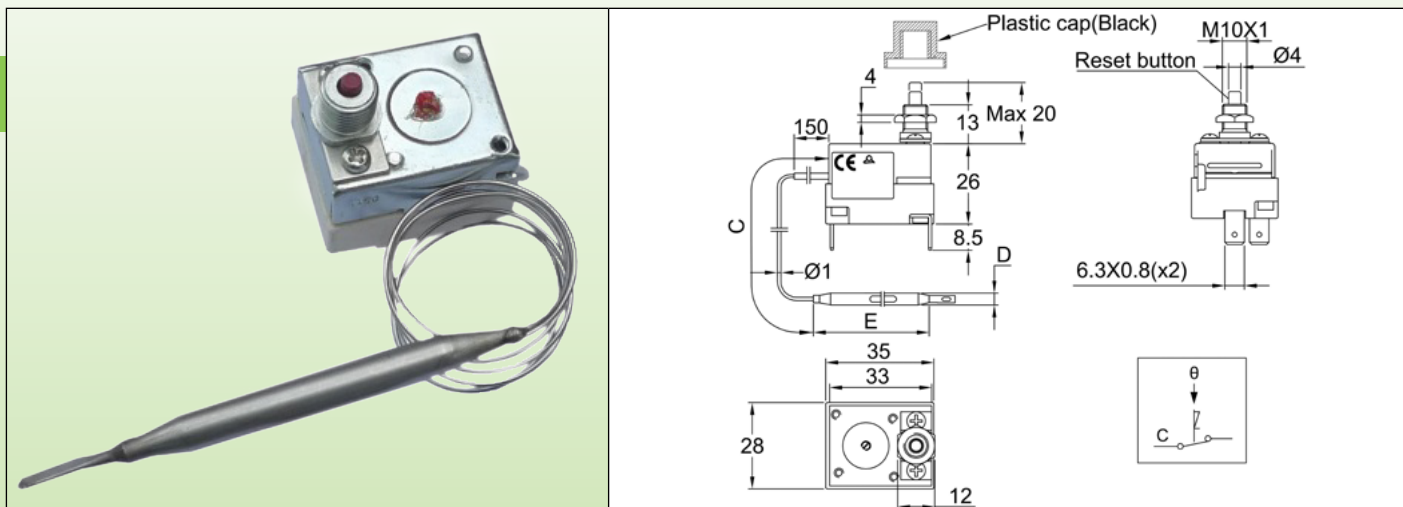


Manual reset and thermal cut-out

SPNC manual reset high limit, fail safe.

Type 8L

Dimensions



Technical features

Applications: Protection against the overheating of the heaters due to an abnormal rise of the liquid temperature due to a flow failure. The mounting of the bulbs can be made inside standard dia. 8.5mm pockets, or in an additional thermowell added on request. The thermostat body can be installed in a protective cover of the heating elements outputs, or remotely in a separate control cabinet. They are resettable after tripping, but prior full audit of the circuit is essential to find the cause of overheating and correct it before restarting.

Housing dimensions: 43 × 35 × 29mm (without terminals).

Bulb and capillary: Stainless steel, capillary length 250mm or 1500mm, 150mm long PVC sleeve on capillary. Capillary minimum bending radius 5mm.

Temperature sensing element: Liquid filled bulb and capillary.

Terminals: 6.35 × 0.8 quick connect terminals (M4 screws also available on request).

Adjustment: Fixed setting, sealed.

Manual reset: Fail safe, fixed setting, front access reset button.

Fail safe contact action by low temperature: Temperatures under -10°C (14°F) will trigger the manual reset.

Mounting: Front bushing , M10 × 1 thread

Rating: 16A 250/ 400VAC

Contacts: SPST (snap action contact)

Max ambient temperature on body: 150°C (302°F)

Main references

Reference	Calibration Temperature (°C/ °F)	Minimum resettable temperature (°C/ °F)	Capillary length (mm)	Bulb diameter (mm)	Bulb length (mm)	Max temperature on bulb (°C/ °F)
8L0070105AO61001	70±8°C/ 158±14.4°F	52°C/ 125.6°F	1500	6	77	105°C/ 239°F
8L0080105AA61001	70±8°C/ 158±14.4°F	52°C/ 125.6°F	250	6	77	105°C/ 239°F
8L0080105AO61001	80±8°C/ 176±14.4°F	52°C/ 125.6°F	1500	6	77	105°C/ 239°F
8L0080105AA61001	80±8°C/ 176±14.4°F	52°C/ 125.6°F	250	6	77	105°C/ 239°F
8L0090115AO61001	90±8°C/ 194±14.4°F	60°C/ 140°F	1500	6	77	115°C/ 239°F
8L0090115AA61001	90±8°C/ 194±14.4°F	60°C/ 140°F	250	6	77	115°C/ 239°F
8L0100120AO61001	100±8°C/ 212±14.4°F	70°C/ 158°F	1500	6	77	120°C/ 248°F
8L0100120AA61001	100±8°C/ 212±14.4°F	70°C/ 158°F	250	6	77	120°C/ 248°F
8L0110135AO61001	110±8°C/ 230±14.4°F	75°C/ 167°F	1500	6	77	135°C/ 275°F
8L0110135AA61001	110±8°C/ 230±14.4°F	75°C/ 167°F	250	6	77	135°C/ 275°F
8L0120145AO61001	120±8°C/ 248±14.4°F	75°C/ 167°F	1500	6	77	145°C/ 293°F
8L0120145AA61001	120±8°C/ 248±14.4°F	75°C/ 167°F	250	6	77	145°C/ 293°F
8L0130155AO61001	130±8°C/ 266±14.4°F	80°C/ 176°F	1500	6	74	155°C/ 311°F
8L0130155AA61001	130±8°C/ 266±14.4°F	80°C/ 176°F	250	6	74	155°C/ 311°F
8L0150175AO61001	150±8°C/ 302±14.4°F	95°C/ 203°F	1500	6	74	175°C/ 347°F
8L0150175AA61001	150±8°C/ 302±14.4°F	95°C/ 203°F	250	6	74	175°C/ 347°F