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500

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Control/regulation



Enclosure internal thermostat

Especially suitable for controlling fan-and-filter units, heaters and heat exchangers, this thermostat can also be used as a signal generator for monitoring the enclosure internal temperature.

Rated operating voltage	Part No.
230/115/60/48/24 V (AC)	3110.000
60/48/24 V (DC)	

Technical specifications:

- Bi-metal controller as a temperature-sensitive element with thermal feedback.
- Contact population: Single-pole change-over contact as a quick-break contact.
- Permissible contact load:
 - Cat. 5 - 3 (heating), AC 10 (4)¹⁾ A, DC = max. 30 W
 - Cat. 5 - 4 (cooling), AC 5 (4)¹⁾ A, DC = max. 30 W
- ¹⁾ = inductive load at $\cos \varphi = 0.6$
- Setting range: +41° to +140° F (+5° to +60° C)
- Weight: approx. 3.7 oz (105 g)
- Dimensions: 3 x 3 x 1" (71 x 71 x 33.5 mm)
- Switching difference approx. 1 K ± 0.8 K.
- Flexible mounting on a vertical or horizontal 35 mm support rail to EN 50 022, and snap fastening in the TS/SE enclosure section or on the mounting panel using the supplied adaptor.

Accessories:

Mounting panel TS with integral top-hat rail, see page 665



Hygrostat

The hygrostat switches on the heater and/or fan when a preset relative humidity in the enclosure is exceeded. In this way, the relative humidity is raised above the dew point, and condensation on assemblies or electronic components is avoided.

Rated operating voltage	Part No.
24 - 230 V (AC), 24 - 75 V (DC)	3110.000

Technical specifications:

- Contact population: Single-pole change-over contact as a quick-break contact.
- Permissible contact load:
 - AC ~ 5 (0.2)¹⁾ A, DC = max. 20 W
- ¹⁾ = inductive load at $\cos \varphi = 0.6$
- Setting range: 50 - 100% relative humidity

- Weight: approx. 3.7 oz (105 g)
- Dimensions: 3 x 3 x 1" (71 x 71 x 33.5 mm)
- Switching hysteresis
- Flexible mounting on a vertical or horizontal 35 mm support rail to EN 50 022, and snap fastening in the TS/SE enclosure section or on the mounting panel using the supplied adaptor.

Accessories:

Mounting panel TS with integral top-hat rail, see page 665.



Bottom-mounted adaptor for enclosure internal thermostat 3110.000 and hygrostat 3118.000

Bottom-mounted adaptor with mounting option for screwed cable glands, for targeted cable infeed from appropriate equipment such as filter fan units and enclosure heaters. In conjunction with screwed cable glands, it is also suitable for use as strain relief.

Packs of	Part No.
1	3110.200