Thermal Edge Inc.™

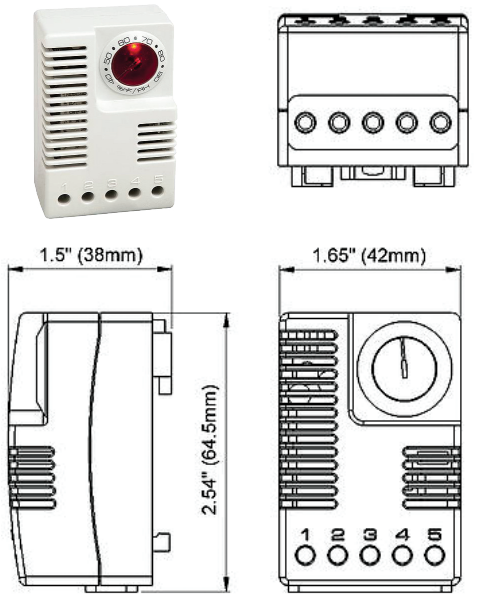
EFL 012

HYGROSTATS

ELECTRONIC HYGROSTAT

The electronic hygrostat is used for controlling heating and cooling equipment, filter fans or signal devices through the Relay DCM 010 or a similar device. The hygrostat registers the surrounding relative humidity and can switch a signal current via an internal relay with a potential free change-over contact. The LED integrated in the adjustment knob shows the closed status of the contact 1-2. When relative humidity drops contact 1-2 opens and the LED turns off. In currentless state (no supply voltage) contact 1-2 opens.

Switching Difference	5 %RH (± 1 % tolerance) at 77 °F (25 °C) and 50 %RH
Reaction Time	approx. 5 seconds
Contact Type	SPDT / change-over contact (relay)
Service Life	>100,000 cycles (at 10 mW)
Max. Switching Capacity (Relay Output)	0.5 A at DC 48 V
Min. Switching Load	DDC 10 mW (at 0.1 V, 100 mA or 1 mA, 10 V)
Optical Indicator	LED
Connection	5-pole terminal, clamping torque 0.5 Nm max.: solid/ stranded* wire - AWG 14 max. (2.5 mm²)
Mounting	clip for 35 mm DIN rail, EN 60715
Casing	plastic, UL 94V-0, light grey
Dimensions	2.54 x 1.65 x 1.5" (64.5 x 42 x 38 mm)
Weight	approx. 2.3 oz. (65 g)
Fitting Position	vertical
Operating/Storage Temperature	+32 to +140 °F / -4 to +158 °F
Operating/Storage Humidity	max. 95 % RH (non-condensing)
Protection Type	IP20



Dimentioned Drawings.

- Large setting range
- Compact design
- Small hysteresis
- Optical function display
- Signal application

When connecting with stranded wires, wire end ferrules must be used.

Part No.	Operating Voltage	Setting Range	Approvals
01245.2-00	DC 12-48 V (min. DC 10 V, max. DC 60 V)	40 to 90 %RH	UL File No. E164102 / EAC