



Electronic Hygrostats for Enclosures, DIN Rail Mounted



012450-00 and 012459-00

Applications

The electronic hygrostats (humidistats) sense the relative humidity in an enclosure and turn on a heater at the set point. This helps prevent the formation of condensation in the enclosure. The integrated LED is lit when the connected device is in operation.

Features

- Adjustable relative humidity setpoints
- Compact design
- High switching capacity
- Visual function display
- DIN rail mounting

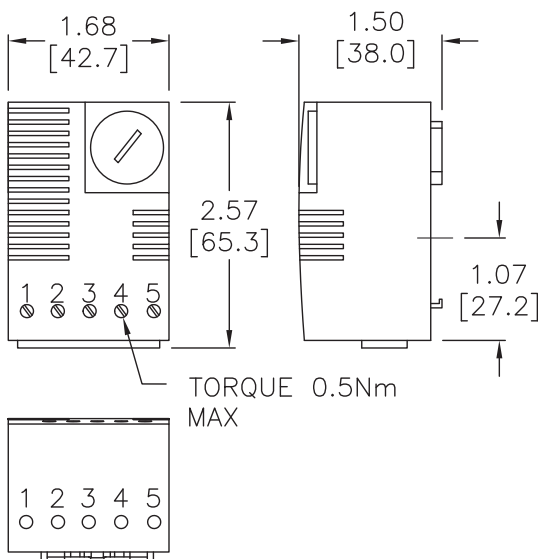


Electronic Hygrostats (DIN Rail Mounted) Specifications	
Switching Difference	5% RH (1% tolerance) - at 77°C (25°F) and 50% RH
Reaction Time	Approximately 5 seconds
Contact Type	SPDT / change-over contact (relay)
Service Life	50,000 cycles
Max. Switching Capacity (relay output)	8A resistive / 1.6 A inductive @ 120 VAC; 8A resistive / 1.6 A inductive @ 240 VAC; 4A @ 24 VDC
Max. Inrush Current	AC 16A for 10 sec.
Connection	5-pole terminal, clamping torque 0.5 N m max.; solid wire - 14 AWG max. (2.5 mm ²); stranded wire (with wire end ferrule) - 16 AWG (1.5 mm ²)
Housing	Plastic, UL 94V-0, light gray
Mounting	Clip for 35 mm DIN rail, EN 60715
Mounting Position	Vertical
Operating Temperature	32° to 140°F (0° to 60°C)
Storage Temperature	-4° to 176°F (-20° to 80°C)
Max. Storage Humidity	90% RH (non-condensing)
Weight	0.14 lb (65 g)
Protection Type	IP20
Approvals	CE, CSA-US #: 215952, RoHS compliant

Part Number	Price	Operating Voltage	Setting Range
012450-00	<-->	230 VAC, 50/60 Hz	40% to 90% RH
012459-00	<-->	120 VAC, 50/60 Hz	40% to 90% RH

Dimensions:

Inches [mm]



Wiring Diagram

