

# Electronic Hygrostats for **Enclosures, DIN Rail Mounted**

012450-00 and 012459-00

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.

**Applications** 

### **Features**

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



C-more 8 other HM
Drives
Soft Starters
Motors & Gearbox
Steppers/ Servos
Motor Controls
Proximity Sensors
Photo Sensors
Limit Switches
Encoders
Current Sensors
Pressure Sensors
Temperat Sensors
Pushbutte Lights
Process
Relays/ Timers
Comm.

Automati Direct

Company Information

Systems Overview

Field I/O

Software

Programmable Controllers



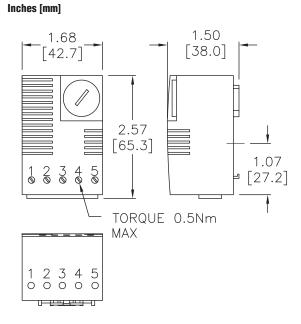




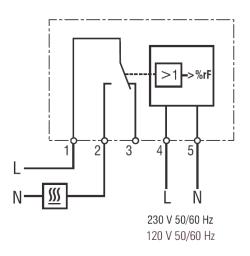
Part Number	Price	Operating Voltage	Setting Range
012450-00	<>	230 VAC, 50/60 Hz	40% to 90% RH
012459-00	<>	120 VAC, 50/60 Hz	40% to 90% RH

Electronic Hygrost	tats (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 <sup>2</sup> ); stranded wire (with wire end ferrule) - 16 AWG (1.5 mm <sup>2</sup> )		
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		

# **Dimensions:**



# Wiring Diagram



Enclosures

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