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 Specifications
<table>
<thead>
<tr>
<th>Part Number</th>
<th>Price</th>
<th>Operating Voltage</th>
<th>Setting Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>012450-00</td>
<td>$70.00</td>
<td>230VAC</td>
<td>40% to 90% RH</td>
</tr>
<tr>
<td>012459-00</td>
<td>$70.00</td>
<td>120VAC</td>
<td>40% to 90% RH</td>
</tr>
<tr>
<td>012460-00</td>
<td>$70.00</td>
<td>230VAC</td>
<td>65% RH preset</td>
</tr>
<tr>
<td>012469-00</td>
<td>$70.00</td>
<td>120VAC</td>
<td>65% RH preset</td>
</tr>
</tbody>
</table>

- Switching Difference: 5% RH at 77°F [25°C] and 50% RH
- Switching Tolerance: ±1% 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 @ AC 120V
  - 8A resistive / 1.6 A inductive @ AC 240V
  - 100W @ DC 24V
- Max. Inrush Current: AC 16A for 10 sec.
- Connection:
  - 5-pole terminal, 0.5 N m max. clamping torque
  - 14 AWG [2.5mm] max. solid wire
  - 16 AWG [1.5 mm2] max. stranded wire with wire end ferrule
- Housing: Plastic, UL 94V-0, light gray
- Mounting: Clip for 35mm 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: UL Recognized File No. E164102, CE, VDE, EAC, RoHS 2 compliant

Dimensions

Wiring Diagram