Humidity Switch
Programmable, 8 Amp Relay, 3-Digit Display

The microprocessor based Series HS Humidity Switch provides control for humidifying or dehumidifying. Relative humidity, output status, and error messaging can be viewed on the bright green LED. The switch features 9 user defined parameters including setpoint, hysteresis, control type, cycle time, and probe adjustment. Access to programming parameters can be locked for security purposes using the password protection feature. The Series HS includes a fitting clip for panel mounting, gasket, rear terminal cover, and instruction manual.

**SPECIFICATIONS**
- Relative Humidity Range: 10 to 100% RH.
- Input: 0 to 3V, humidity probe not included.
- Accuracy: THC-P: ±5% @ 20 to 80%; HS: ±1% RH.
- Display: 3-digit, green, 1/2˝ (12.7 mm) digits.
- Resolution: 1 digit.
- Temperature Limits: 32 to 158°F (0 to 70°C).
- Storage Temperature: -4 to 176°F (-20 to 80°C).
- Output: 8 A SPDT relay @ 250 VAC resistive.
- Horsepower Rating (HP): 1/3 HP.
- Control Type: ON/OFF.
- Power Requirements: 110 VAC or 230 VAC (depending on model).
- Memory Backup: Nonvolatile memory.
- Weight: 2.3 oz (65 g).
- Front Panel Rating: IP64.
- Agency Approvals: CE, cUR, UR.

**APPLICATIONS**
HS Digital Humidity Switches are suitable for industrial chillers, environmental chambers, walk-ins and freezers, heat sealers, beer and wine chillers, mug frosters, coolers, display cases and cabinets, meat and produce storage, floral preservation, refrigerated transportation, laboratories, food service equipment, ovens and dryers, green houses, museums, and tobacco preservation. Monitors humidity in ducts.

<table>
<thead>
<tr>
<th>Model</th>
<th>Input Sensor</th>
<th>Supply Voltage</th>
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</thead>
<tbody>
<tr>
<td>HS-311</td>
<td>0 to 3 V</td>
<td>110 VAC</td>
</tr>
<tr>
<td>HS-312</td>
<td>0 to 3 V</td>
<td>230 VAC</td>
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ACCESSORY
THC-P Humidity Probe, 0 to 3 V output, 4 ft (1.5 m) cable

**ACCESSORIES**
- THC-P, Humidity probe with 3V output & 4 ft (1.2 m) cable
- TS-5, Temperature probe, PVC with 5 ft (1.5 m) cable
- TS-6, Temperature probe, metal with 5 ft (1.5 m) cable
- TS-51, Temperature probe, PVC with 10 ft (3 m) cable
- TS-61, Temperature probe, metal with 10 ft (3 m) cable