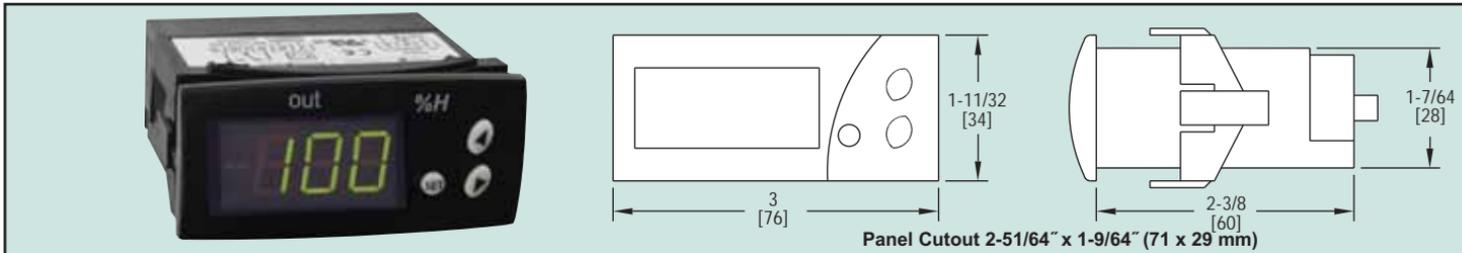




Series
HS

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: 0 to 100% RH.

Input: 0 to 3V, 0 to 1V or 4-20 mA (depending on model) humidity probe not included.

Accuracy: THC-P: $\pm 5\%$ @ 20 to 80%; HS: $\pm 1\%$ RH.

Display: 3-digit, green, 1/2" (12.7 mm) digits.

Resolution: 1 digit.

Temperature Limits: 32 to 158°F (0 to 70°C).

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.

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, UL, ULc.

Model	Input Sensor	Supply Voltage
HS-311	0 to 3 V	110 VAC
HS-312	0 to 3 V	230 VAC
HS-111	0 to 1 V	110 VAC
HS-112	0 to 1 V	230 VAC
HS-411	4 to 20 mA	110 VAC
HS-412	4 to 20 mA	230 VAC

ACCESSORY

THC-P Humidity Probe, 0 to 3 V output, 4 ft (1.5m) cable

AIR QUALITY

Humidity Switches