

General Description & Applications

The HS-50-S humidity sensor can be used with any Emerson Control Products humidity controllers, alarms or indicators. The unit can also be used as a standalone humidity sensor with output. This unit is designed for indoor use.

Specifications

Power requirements: 5 to 12 VDC standard

Sensor range: 10 to 100% RH

Ambient operating temperature range: 32° to 140° F, 0° to 60° C

Output: 0 to 1.00 VDC, 500mV at 50% RH, nominal, varies 10mV/% RH

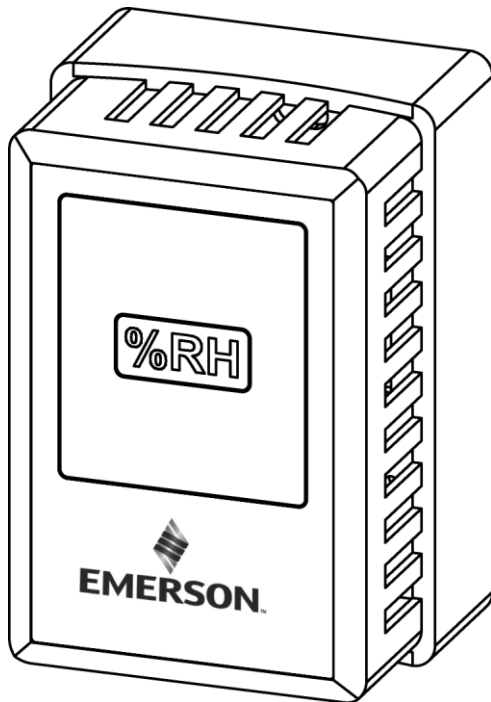
Accuracy: ± 3% between 10 and 90% RH

Connection: 36" three conductor 26AWG, can be extended up to 1000 ft.

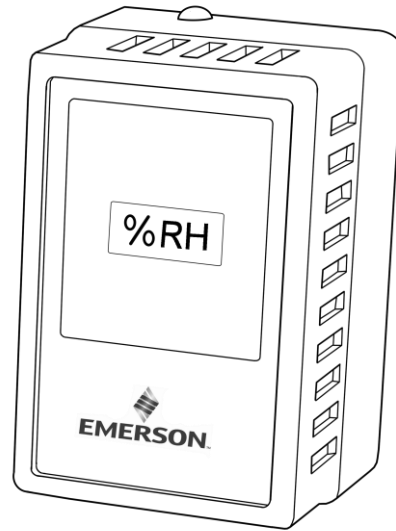
Warning: Chemicals such as chlorine, ammonia, alcohol or strong salts may damage sensors. Emerson Control Products cannot be responsible for performance in harsh conditions. All testing in specific applications must be done by customer.

Dimensions & Wiring

Case Dimensions: 2.25" wide x 3.25 high x 1.80 deep



HS-50-S Humidity Sensor



Ordering Information

The following part numbers are generally stocked and ready for shipment.

<u>Model</u>	<u>Style</u>
HS-50-S	Indoor Sensor

Custom Design & Modifications

In addition to standard models, Emerson Control Products specializes in complete custom design and manufacture of electronic controls. Modifications of our standard controls are also available. Please contact our Customer Service department to arrange for a consultation of your specific project and application.

Warranty

Emerson Control Products warrants its products to be free from defects in material and workmanship under normal use for one year and is not responsible for consequential damages or installation costs of any nature. Exposure to contaminants and extreme environmental conditions such as moisture, temperature, chemicals, etc. may cause the unit to degrade or fail. Emerson Control Products accepts no liability for product applications or customer application testing.

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