

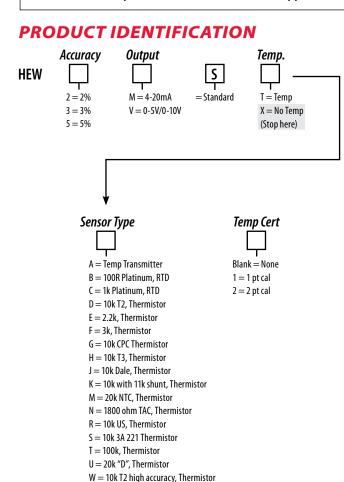
HEW SERIES





NOTICE

- This product is not intended for life or safety applications.
- Do not install this product in hazardous or classified locations.
- Read and understand the instructions before installing this product.
- Turn off all power supplying equipment before working on it.
- The installer is responsible for conformance to all applicable codes.



HEW SERIES

Economy Wall Mount Humidity Sensor

Installer's Specifications

Input Power:

put r o r r c r r		
Input Power, Voltage Versi	on	12-24 VDC or 24 VAC
Input Power, mA Version		12-24 VDC
AC Voltage Tolerance		±10%
AC Frequency		50-60 Hz
Max. Inrush Current After 1 msec (mA version)		25 mA
Output Power:		
mA Output		4-20 mA, 2-wire, polarity insensitive
mA Max. Loop Resistance	500 Ω at 24 VDC	input voltage; 250 Ω at 12 VDC input voltage
Voltage Output		0-5 V or 0-10 V (jumper selectable)
Voltage Min. Load Resistar		5 kΩ
Voltage Min. Sinking Curre	nt	0.2 mA
Humidity:		<u>.</u>
HS Element		profiled thin-film capacitive, non-removable
Accuracy	±2%, 3% c	or 5% (10-90% RH, 20° to 30°C (68° to 86°F))
Temperature Effect (Outside 20° to 30°C)		≤0.1% RH per °C
Response Time (to 90% change at 20°C)		110 sec
Annual Drift		≤1%
Output Scaling		0-100% RH
Temperature:		
Active Output Accuracy		±0.5°C
Active Output Temperature Scaling		10° to 35°C (50° to 95°F)
Resistive Temperature Accuracy		see thermistor table
Self-Heating Error (Resistiv	ve Temperature Only)	$\leq \pm 0.5$ °C at 20° to 30°C (68° to 86°F);
	≤	±0.75°C outside of 20° to 30°C (68° to 86°F)
Operating Environment:		
Operating Temperature		0° to 50°C (32° to 122°F)
Operating Humidity	0-100% RH (non-cor	idensing) (Unit will recover from saturation)
Housing:		
Material		ABS plastic with UL V-0, 5VB Flame Class
Mounting Holes		US and European junction box

EMC Conformance: EN61000-6-3:2007+A1:2011 Class B, EN61326-1:2006 Class B; EN61000-6-1:2007

1-year limited warranty.

QUICK INSTALL



Observe precautions for handling static sensitive devices to avoid damage to the circuitry that is not covered under the factory warranty.

- 1. Mount the backplate on the wall in an appropriate location. Place so that the "Install This End Up" statement on the board is in the upper right corner.
- 2. Wire the unit as shown (see Wiring section).
- 3. Attach the front plate.

Z = 10k E1, Thermistor

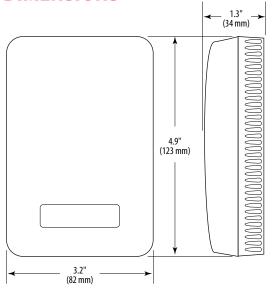
Y = 10k T3 high accuracy, Thermistor



OPERATION

The HEW series economy wall mount humidity sensors measure the levels of RH and temperature (if equipped) in the air inside a room. HEWs are warranted to meet accuracy specifications for 1 year. To maintain accurate functionality, keep all pickup vents clear and free of dust, debris, etc.

DIMENSIONS



INSTALLATION

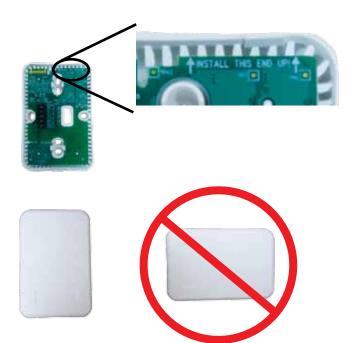


Observe precautions for handling static sensitive devices to avoid damage to the circuitry that is not covered under the factory warranty.

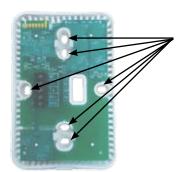
 Remove the cover by pressing the tab on the bottom of the sensor while pulling outward on the bottom edge of the



2. Position the sensor vertically on the wall, 4½ feet (1.5 m) above the floor. Place so that the "Install This End Up" statement on the board is in the upper right corner.



3. Mount the backplate onto the wall using the screws provided.

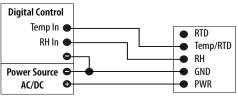


Six screwholes available; use a minimum of two for secure mounting.

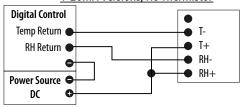


4. Wire the backplate.

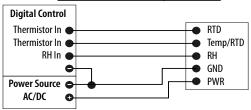
0-5V/0-10V Versions, No Thermistor



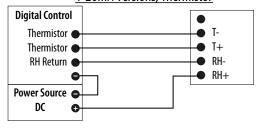
4-20mA Versions, No Thermistor



0-5V/0-10V Versions, Thermistor



4-20mA Versions, Thermistor



5. Install the cover and snap into place.

