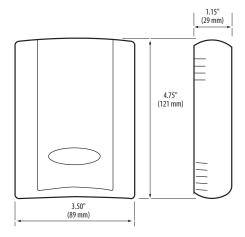
HW SERIES



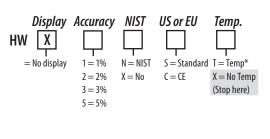
NOTICE

- 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.

DIMENSIONS



PRODUCT IDENTIFICATION



^{*} In order for unit to display both temperature and RH, a transmitter model must be ordered.

HW SERIES

Digital RH & RH/T Thermistor/RTD/Temp Transmitter (Non-Display Model)

Installer's Specifications

HS Element	Digitally profiled thin-film capacitive (32 bit mathematics)			
	U.S. Patent 5,844,138			
Accuracy at 25°C from 10-80%	RH** Multi-point calibration; NIST traceable			
	±2%, 3%, or 5% models			
	±1% at 12-60% RH in voltage output mode			
	±1% at 20-40% RH in mA output mode			
	\pm 1% at 12-60% RH in mA output mode with temp transmitter			
Reset Rate*	24 hours			
Stability	$\pm 1\%@20^{\circ}$ C (68°F) annually, for two years			
Hysteresis	1.5% (typical)			
Linearity	Included in Accuracy spec.			
Operating Humidity Range	0 to 100% RH			
Operating Temperature Range	10°C to 35°C (50°F to 95°F)			
Temperature Coefficient	$\pm 0.1\%$ RH/°C above or below 25°C (typical)			
Analog Output	4-20 mA mode: 2-wire, polarity insensitive			
	0-5V/0—10 V mode: 3-wire, observe polarity			
Scaling	0-100% RH			
Input Power	4-20 mA mode: loop powered 12-30 VDC only, 30 mA max.			
	0-5V/0-10 V mode: 12-30 VDC/24 VAC, 15 mA max.			
Optional Temperature Output:				
Transmitter Models Digit	al $4-20$ m $4/0-5/0-10$ V output accuracy $+0.5$ °C ($+0.9$ °E) typical			

Transmitter Models	Digital, 4-20mA/0-5/0-10V output, accuracy ± 0.5 °C (± 0.9 °F) typical
RTD Models	Customer specified thermistor or RTD
Conformance	EMC EN 50081-1, EN 50082-1, EN 61000-4-4, EN 61000-4-5,
	EN 61000-4-3.ENV 50204. EN 61000-4-6

One side of transformer secondary is connected to signal common. Isolation transformer or dedicated power supply may be required. To conform to EMC standards, shielded cabling and technical information is available from the factory upon request or is available on our website: www.veris.com

- * Reset Rate is the time required to recover to 50% RH after exposure to 90% RH for 24 hours.
- ** Specified accuracy with 24VDC supplied power with rising humidity.

RTD/Thermistors in wall packages are not compensated for internal heating of product.

QUICK INSTALL

- 1. Select a mounting location away from ventilation sources. The sensor should be mounted on a vertical wall, about 4 ½ feet above the floor.
- 2. Affix the backplate to the wall.
- 3. Wire the device. Refer to wiring diagrams on page 2.
- 4. Install Cover.

Sensor	Type [Temp. Cal. Cert.	Option	<i>Value</i>
A = Transmitter: 10°-35°C (50°-95°F) or 0°-50°C (32°-122°F) (switchable) B = 100R Platinum, RTD C = 1k Platinum, RTD D = 10k T2, Thermistor E = 2.2k, Thermistor F = 3k, Thermistor G = 10k CPC, Thermistor H = 10k T3, Thermistor	J = 10k Dale, Thermistor K = 10k with 11k shunt, Thermis M = 20k NTC, Thermistor N = 1800 ohm TAC, Thermistor Q = 1uA/C, Linitemp R = 10k US, Thermistor S = 10k 3A 221 T = 100k, Thermistor U = 20k, "D" Thermistor	X = No Cert. 1 = 1 pt cal. tor 2 = 2 pt cal.	1 = Pushbutton Override 2 = Setpoint Slider 3 = Pushbutton Override and Setpoint Slider	A = 1k F = 10k G = 20k K = 50k M = 100k

INSTALLATION

1. Remove the cover by pressing the tab at the top of the sensor while pulling outward from the top of the cover.



2. Remove the backplate by unfastening the sensor from the bottom of the backplate and pivoting the sensor outward.



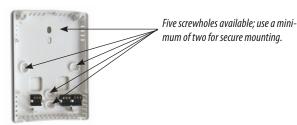
3. Punch out openings in the backplate.



4. Position the sensor vertically on the wall, $4\frac{1}{2}$ feet above the floor.

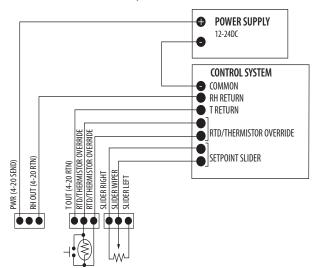


5. Mount the backplate onto the wall using the screws provided.

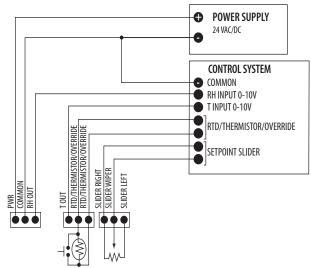


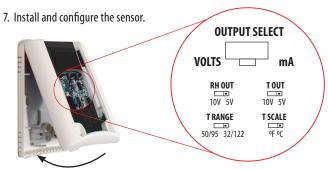
6. Wire the backplate.

Current Output (2-Wire, 4-20mA)



Voltage Output (3-Wire, 0-10V)





8. Install the cover and snap into place.



WARNING: Output select must be correct before applying power.