HTX01 WALL MOUNT

HTX02 DUCT MOUNT

Product Features

- *Low Cost*
- *On-Board Zero And Span Adjustments*
- *Rugged design using Solid State Sensors*
- *High Accuracy (± 3% over 0 to 90% RH Standard)*
- *2 Wire, Loop powered Operation (4-20 mA Output)*
- *Temperature Compensated Humidity Measurement*
- *Factory Calibrated (0 - 100% RH Standard, Custom Ranges Available)*
- *Integrated Loop powered Temperature Transmitter Available*

Description

The INTEMPCO HTX series humidity transmitters offer high accuracy, low cost humidity, and temperature measurement that can withstand tough industrial and HVAC applications. The rugged solid state sensor has high chemical contamination resistance and handles extreme ventilation conditions, like swimming pool environments, with ease. Even water immersion of the sensor will not damage it!
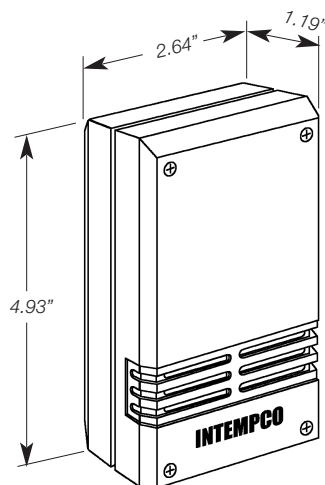
Overview

The HTX series humidity / temperature transmitters are designed for use in energy management, environmental and process control industries. They utilize a polymer based humidity sensor, among the most stable available. The accuracy is ±3% over 0 - 90% RH. Thermistor or RTD output option is also available.

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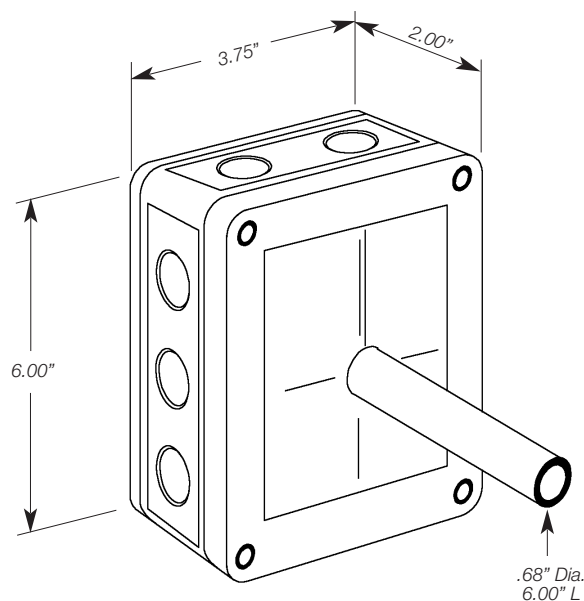## Humidity Transmitter

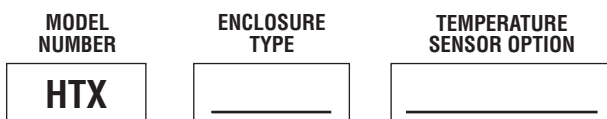|	
Power Input	12 - 36 VDC
Humidity Output	4-20mA two-wire
Humidity Accuracy	±3% RH Max. Over 0-90% RH at 25°C.
Humidity Stability	±1% RH Typical at 50% RH in 5 Years.
Time Constant	50 sec. in air at 10ft/sec.
Operating Environment	-23°C to 85°C (-10°F to 185°F) non-condensing
Storage Environment	-50°C to 85°C (-58°F to 185°F) non-condensing
Recommended R load	100 ohm @12 VDC 500 ohm @ 24 VDC

Temperature Transmitter

Power Input	12 - 36 VDC
Temperature Output	4-20mA two-wire
Temperature Accuracy	±0.3°C (0.5°F) at room Temp. or ±0.15°C (0.25°F) Special
Temperature Stability	±0.1°C Typical at room Temp. per 5 years
Time Constant	50 sec. in air at 10ft/sec.
Operating Environment	-23°C to 85°C (-10°F to 185°F) non-condensing
Storage Environment	-50°C to 85°C (-58°F to 185°F) non-condensing
Recommended R load	100 ohm @12 VDC 500 ohm @ 24 VDC

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MODEL NUMBER	ENCLOSURE TYPE	TEMPERATURE SENSOR OPTION
HTX	_____	_____

Enclosure Type	CODE
Wall Mount, Executive	01
Wall Mount, Space	01A
Duct Mount, NEMA 4	02
Duct Mount, General	02A

CODE	Temperature Sensor Option
0	None
A	4-20mA, 0-50°C
B	4-20mA, SPECIFY RANGE
C	Pt 100 ohm DIN 43760
D	1000 ohm DIN 43760
E	10,000 ohm THERMISTOR
F	3,000 ohm THERMISTOR
G	THERMISTOR, OTHER SPECIFY