



## SERIES RHPLC | WALL MOUNT HUMIDITY/TEMPERATURE TRANSMITTER



### FEATURES/BENEFITS

- 2% or 3% accuracy models
- Humidity only or temperature and humidity combo
- Wide selection of passive thermistor or RTD temperature sensors

### APPLICATIONS

- Air economizers
- Room comfort monitoring

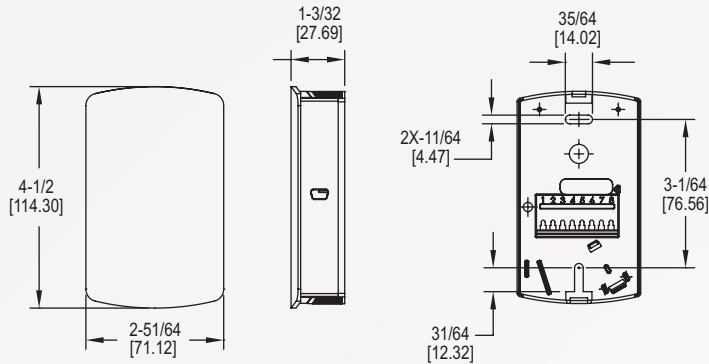
### DESCRIPTION

The **Series RHPLC Wall Mount Humidity/Temperature Transmitter** is a compact economical sensor for the building automation marketplace. The stylish housing is well vented to provide air flow across the sensor to improve measurement accuracy. Each unit utilizes a capacitive polymer sensing element to deliver a proportional analog output. A combination humidity and temperature model can be configured with current, voltage, RTD, or thermistor output. A wide selection of passive RTD or thermistor sensors are available in this series.

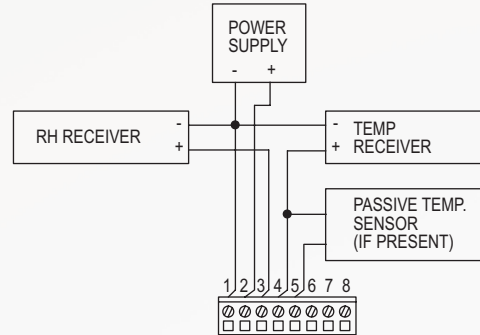
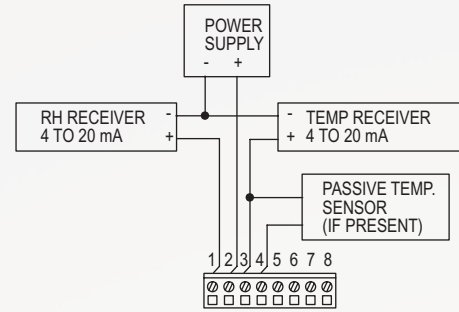
### SPECIFICATIONS

<b>Sensor</b>	Capacitive polymer.
<b>Relative Humidity Range</b>	0 -100% RH.
<b>RH Accuracy</b>	±2% 10 to 90% RH @ 25°C for 2% accuracy units; ±3% 20 to 80% RH @ 25°C for 3% accuracy units.
<b>RH Hysteresis</b>	±0.8%.
<b>RH Repeatability</b>	±0.1% Typical.
<b>Temperature Output Range</b>	-40 to 140°F (-40 to 60°C).
<b>Accuracy Passive Thermistor Temperature Sensor</b>	± 0.36°F @ 77°F (± 0.2°C @ 25°C).
<b>Accuracy RTD Temperature Sensor</b>	DIN Class B; ± 0.3°C @ 0°C (± 0.54°F @ 77°F)
<b>Accuracy Current/Voltage Temperature Output</b>	± 0.9°F @ 72°F (± 0.3°C @ 25°C).
<b>Temperature Limits</b>	Operating: -40 to 140°F (-40 to 60°C); Storage: -40 to 176°F (-40 to 80°C).
<b>Power Requirements</b>	10 to 35 VDC for 4 to 20 mA or 0 to 5 VDC output; 15 to 35 VDC for 0 to 10 VDC output; 10 to 29 VAC for 0 to 5 VDC output; 15 to 29 VAC for 0 to 10 VDC output.
<b>Response Time</b>	8 s (τ63).
<b>Electrical Connections</b>	Screw terminal block.
<b>Drift</b>	<0.25% RH/year.
<b>Enclosure Material</b>	Polycarbonate.
<b>Weight</b>	4.4 oz (125 g).
<b>Agency Approval</b>	CE.

## DIMENSIONS

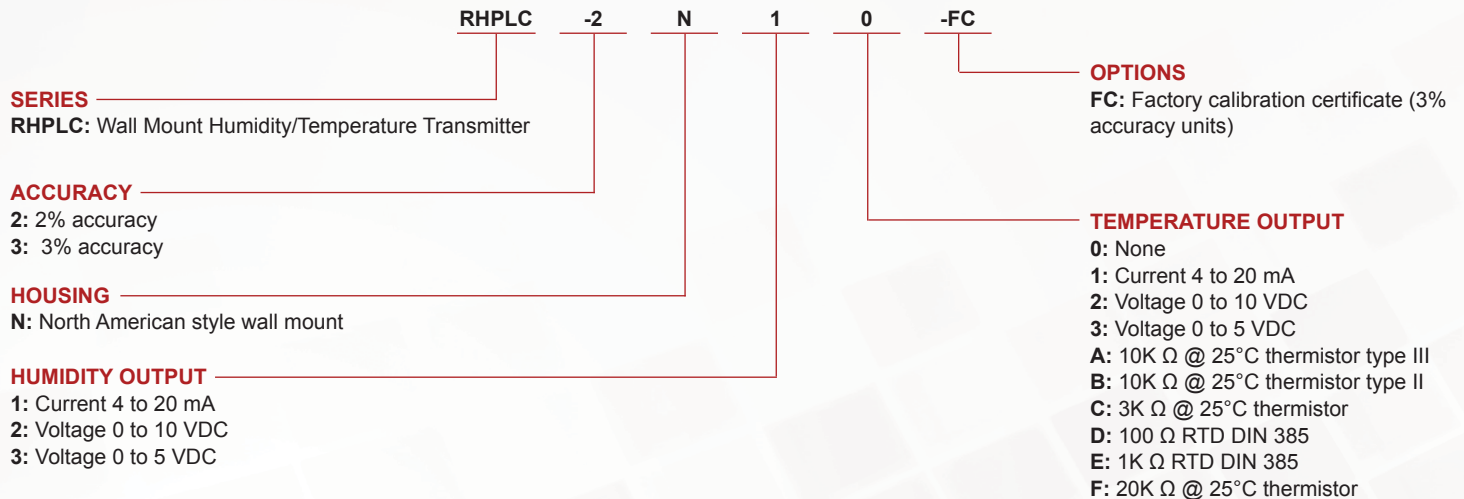


## WIRING DIAGRAMS



## HOW TO ORDER

Use the **bold** characters from the chart below to construct a product code.



**ORDER ONLINE TODAY!**

**Product/SeriesRHPLC**



**DWYER INSTRUMENTS, INC.**