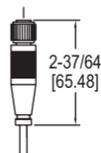
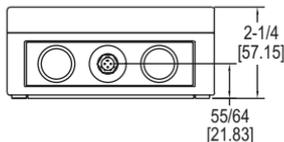
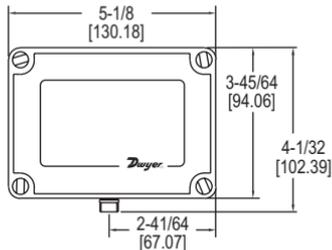




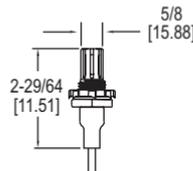
SERIES RH-R

# HUMIDITY/TEMPERATURE TRANSMITTER

## Remote Mount, Field Replaceable Sensor Filter, Up to 16' Cable



Electrical



Process

Probe connections

The **Series RH-R Humidity and Temperature Transmitter** is the ideal transmitter for those applications where space is limited. The compact sensor is protected by a removable filter. It can be mounted up to 16 feet away from the weatherproof base. The Series RH-R is ideal for environmental chambers, rubber bladder burst detection and air handler applications.

### FEATURES/BENEFITS

- Cable lengths from 4 to 16'
- Remote housing allows for flexibility sensing where space may be limited

### APPLICATIONS

- Process system monitoring
- Environmental chambers
- Air economizers

### SPECIFICATIONS

**Service:** Dry clean air.  
**Relative Humidity Range:** 0 to 100% RH.  
**Temperature Range:** -40 to 140°F (-40 to 60°C).  
**Accuracy:** ±2% @ 10-90%.  
**Temperature Limits:** -40 to 140°F (-40 to 60°C).  
**Storage Temperature:** -40 to 176°F (-40 to 80°C).  
**Compensated Temperature Range:** -4 to 140°F (-20 to 60°C).

**Power Requirements:** 10-35 VDC.  
**Output Signal:** 4-20 mA loop powered.  
**Response Time:** Less than 15 s.  
**Electrical Connections:** Terminal block.  
**Conduit Connection:** 1/2" NPT.  
**Process Connection:** 1/2 NPSM.  
**Drift:** < 1%/year.  
**RH Sensor:** Capacitance polymer  
**Cable Length:** Up to 16'.  
**Housing Material:** Polycarbonate, aluminum enclosure.  
**Enclosure Rating:** NEMA 4X (IP66).

### MODEL CHART

Model	Cable Length	Description	Output	Model	Cable Length	Description	Output
RHU-R004	4'	Humidity	Current	RHT-R004	4'	Humidity/temperature	Current
RHU-R008	8'	Humidity	Current	RHT-R008	8'	Humidity/temperature	Current
RHU-R012	12'	Humidity	Current	RHT-R012	12'	Humidity/temperature	Current
RHU-R016	16'	Humidity	Current	RHT-R016	16'	Humidity/temperature	Current