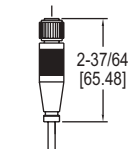
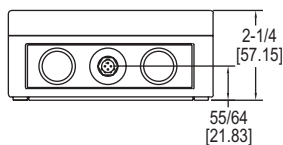
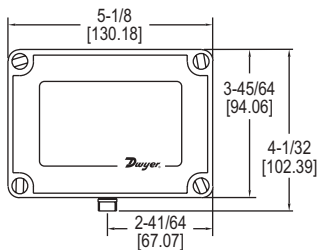
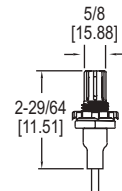


# HUMIDITY/TEMPERATURE TRANSMITTER

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.

## BENEFITS/FEATURES

- 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 |