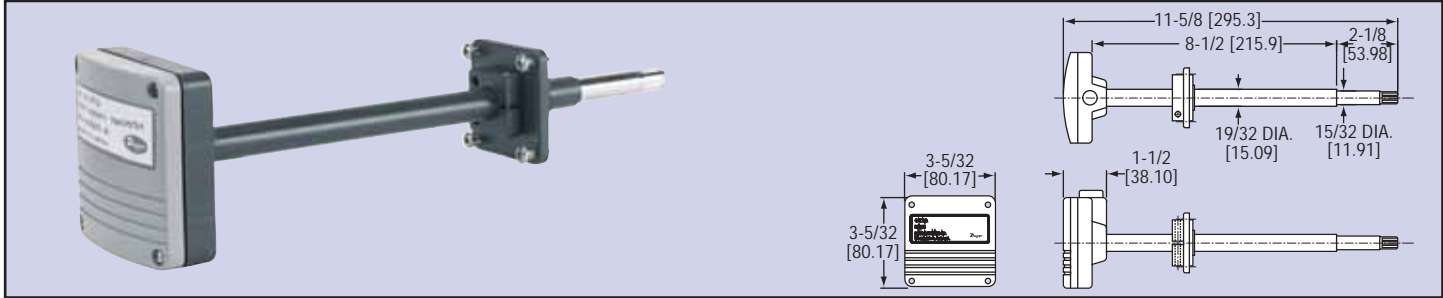




Series  
HT

# RH/Temperature Transmitter

Calibration-Free, 2-Wire Design, Duct or Wall Mount



**Monitor and control** relative humidity and temperature in building energy management systems with the Series HT Humidity/Temperature Transmitter. Designed for demanding HVAC/EMCS applications, the Series HT provides  $\pm 3\%$  RH accuracy and  $\pm 1\%$  stability per year. Routine calibration is not required with the fully interchangeable sensor. Two wire connections allow easy installation directly into air ducts or within a controlled area.

Model	Description
HT00*	Humidity Transmitter, wall mount
HT01	Humidity Transmitter, duct mount
HT10	Humidity/Temp Transmitter, wall mount
HT11	Humidity/Temp Transmitter, duct mount

\*Wall mount not shown

## ACCESSORY

HT5, Replacement sensor

## SPECIFICATIONS

**Relative Humidity Range:** 10 to 90% RH.

**Temperature Range:** Duct mount:  $-40$  to  $140^\circ\text{F}$  ( $-40$  to  $60^\circ\text{C}$ ), wall mount:  $23$  to  $131^\circ\text{F}$  ( $-5$  to  $55^\circ\text{C}$ ).

**Accuracy:**  $\pm 3\%$  RH @  $25^\circ\text{C}$ ;  $\pm 0.3^\circ\text{C}$  @  $25^\circ\text{C}$ .

**Temperature Limits:** Duct mount:  $14$  to  $140^\circ\text{F}$  ( $-10$  to  $60^\circ\text{C}$ ), wall mount:  $23$  to  $131^\circ\text{F}$  ( $-5$  to  $55^\circ\text{C}$ ).

**Storage Temperature:**  $-40$  to  $140^\circ\text{F}$  ( $-40$  to  $60^\circ\text{C}$ ).

**Operating Humidity Range:** Duct mount:  $0$  to  $100\%$  RH, wall mount:  $0$  to  $90\%$  RH.

**Power Requirements:**  $10$  to  $28$  VDC.

**Output Signal:**  $4$  to  $20$  mA.

**Response Time:**  $15$  seconds.

**Current Consumption:**  $4$  mA minimum.

**Conduit Connection:**  $1/2"$  NPT.

**Mounting Connection:**  $3/4"$  NPT.

**Drift:**  $\pm 2\%$  RH over 2 years.

**Temperature Sensor:** Pt  $1000\Omega$  RTD.

**RH Temperature Dependence:**

$< \pm 1.5\%$  RH from  $14$  to  $140^\circ\text{F}$  ( $-10$  to  $60^\circ\text{C}$ ).

**Temperature Dependence:**

$0.01^\circ\text{C}/^\circ\text{C}$ .

**Housing Material:** ABS plastic.

**Enclosure Rating:** Duct mount only/IP65.

**Weight:**  $0.6$  lb ( $0.3$  kg).

**Agency Approvals:** CE.