

## Description

The zone thermistor temperature sensor/humidity sensor offers an array of humidity control solutions at an affordable price. The thin-film capacitive sensor elements provide high accuracy and performance. This wall mounted sensor features an attractive, yet discreet housing, with simple installation.

## Applications

- Managing energy systems
- HVAC economizer control
- Facilitating ASHRAE standards for environmental control

## Reduce Installation Costs with Combination Sensors

- Monitor humidity and temperature with a single device
- Semiconductor, temperature transmitter, or popular thermistor/RTD sensors available
- Housing is low-profile



*Compact room sensor can be surface or single-gang box mounted.*

## Specifications

**Part Number:** 150749

**Input Power:** 4-20mA version, loop powered 12-30VDC only, 30mA max.; 0-5V/0-10V versions, 12 (15 for 0-10V) to 30VDC/24VAC, 15mA max.

**HS Element:** Digitally profiled thin-film capacitive, non-removable

**Accuracy at 25°C from 10-90% RH:** ±3% or 5%

**Reset Rate:** 24 hours

**Stability:** ±1% @ 20°C (68°F) annually, for two years

**Operating Humidity Range:** 0 to 100% RH (non-condensing)

**Temperature Effect:** Voltage Versions:  $(0.0015 \times \%RH \times (T^{\circ}C - 25)) + (\%RH \times 0.0008 \times \text{abs}(T^{\circ}C - 25))$  mA Versions:  $(0.0013 \times \%RH \times (T^{\circ}C - 25))$

**Analog Output:** 4-20mA version: 2-wire, polarity insensitive, (clipped and capped);

**0-5V/0-10V versions:** 3-wire, observe polarity

**Scaling:** 0-100% RH

**Transmitter Models:** Digital 0-5V/0-10V output; accuracy ±1.3°C

**Range:** 50° - 95°F (10° - 35°C)

**Warranty:** 90 days

