Temperature Sensors

Air/Duct Temperature Sensors are available in precision platinum, nickel, or balco RTDs and interchangeable NTC thermistors. Sensors are constructed with a hermetically sealed 304 SS sheath and are unaffected by high humidity, contamination, thermal shock or vibration. Flange mount sensors offer low profile mounting and quick installation directly into duct work. Rugged air/duct sensors are ideal for air handlers, fan coil units, ducts, furnaces, freezers, ovens and other through wall temperature sensing applications.

### Model Coding

**AD**

- **Installation**
  - 1 - Flange mount
  - 3" (175 mm) wire leads
  - 15.00
  - 2 - Flange mount
  - 6" (1.8 m) cable
  - 17.50
  - 5 - Flange mount with NEMA 4X housing
  - 24.00

- **Sensor Type**
  - 1 - Pt 100 Ω RTD
  - +1.25 +12.00
  - 2 - Pt 1000 Ω RTD
  - +1.25 +12.00
  - 3 - Ni 1000 Ω RTD
  - +1.25 +12.00
  - 4 - 1000 Ω Balco RTD
  - +4.50 +12.00
  - 5 - 10 kΩ Type 2 NTC Thermistor
  - +5.00 +21.00
  - 6 - 3 kΩ NTC Thermistor
  - +0.00 +0.00
  - 7 - 5 kΩ NTC Thermistor
  - +0.00 +0.00
  - 8 - 100 kΩ NTC Thermistor
  - +0.00 +0.00
  - 9 - 20 kΩ NTC Thermistor
  - +0.00 +0.00
  - A - 2252 Ω NTC Thermistor
  - +0.00 +0.00
  - B - 10 K Type 3 NTC Thermistor
  - +0.00 +0.00

- **Probe Length**
  - 04 - 4" (100 mm)
  - 06 - 6" (150 mm)
  - 08 - 8" (200 mm)
  - 12 - 12" (300 mm)

### SPECIFICATIONS

**Accuracy:**
- Platinum RTD: ±0.6% @ 32°F (0°C);
- Nickel RTD: ±0.5°F @ 32°F (0°C);
- Balco RTD: ±0.1% @ 32°F (0°C);
- Thermistors: ±0.38°F from 32 to 158°F (0 to 70°C).

**Operating Temperature:**
- -32 to 240°F (-35.5 to 115.5 °C).

**Probe Diameter:**
- 1/4" (6.3 mm).

**Cable Length:**
- 8" (housing models only).

**Probe Material:**
- 304 SS.