

APPLICATIONS:

Wireless Duct Temperature Sensors are suitable for renovation, upgrade, and new construction projects where individual fixture control and/or monitoring is desired.

- Private & Open Offices
- Corridors & Hallways
- Classrooms & Gymnasiums
- Warehouse Spaces & Manufacturing Areas
- Patient Care Rooms
- Transportation Terminals
- Retail & Grocery Stores

FEATURES:

- Compact temperature probe with wireless connectivity
- High accuracy and interchangeability over a wide temperature range
- No control wiring required! Specified Comfort's secure wireless 2.4GHz communications with Specified Comfort Manager and other network devices
- High resistance relative to Platinum RTDs creates a larger signal with the same measuring current, negating most lead wire resistance problems and eliminating the need for signal conditioners.
- Double-encapsulated sensing element to avoid sensor failures caused by moisture infiltration
- Designed & Made in the USA



DESCRIPTION:

The Specified Comfort Wireless Duct Temperature Sensor is a 24V, in-duct temperature probe featuring an integrated wireless transceiver—eliminating the need for control wiring. The sensor monitors supply and return air temperatures. It can also be used to sense temperature from ambient air.

A thermistor type sensor, the Wireless Duct Temperature Sensor provides a predictable output over a specified temperature range to meet each manufacturer's required input values.

The Wireless Duct Temperature Sensor uses the Specified Comfort's wireless mesh network to communicate with other Specified Comfort devices to trigger changes in HVAC.

SPECIFICATIONS:

SENSOR OUTPUT

Messages for Specified Comfort

ENVIRONMENTAL

Operating Temperature: 0° to 60°C

Operating Humidity: 0 to 90% RH noncondensing

ACCURACY (0 TO 70°C)

+/- 0.2oC (+/-0.36oF)

STABILITY

+/- 0.13oC (0.23oF)

POWER DISSIPATION CONSTANT

3 mW / oC

INTERCHANGEABILITY

+/- 0.2oC (+/-0.36oF)

RADIO NETWORK

IEEE 802.15.4-2003 2.4GHz ISM

Range: Approx. 10o0' LOS transmit/ receive
from any line powered Specified Comfort device

REGULATORY APPROVALS

FCC (V8NZRB1000141)

IC (7737A-ZRB1000141)

ORDERING INFORMATION:

SKU	Description
SC-EMS-DAS	Specified Comfort Wireless Duct Temperature Sensor

DIMENSIONS:

