

### 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! WebComfort's secure wireless 2.4GHz communications with WebComfort 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 WebComfort 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 WebComfort's wireless mesh network to communicate with other Specified Comfort devices to trigger changes in HVAC.

### SPECIFICATIONS:

#### SENSOR OUTPUT

Messages for WebComfort

#### ENVIRONMENTAL

Operating Temperature: 0° to 60°C

Operating Humidity: 0 to 90% RH non-condensing

#### 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 WebComfort device

#### REGULATORY APPROVALS

FCC (V8NZRB1000141)

IC (7737A-ZRB1000141)

### ORDERING INFORMATION:

SKU	Description
WEB-DAS	WebComfort Wireless Duct Temperature Sensor

### DIMENSIONS:

