

Description

The Autani 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.

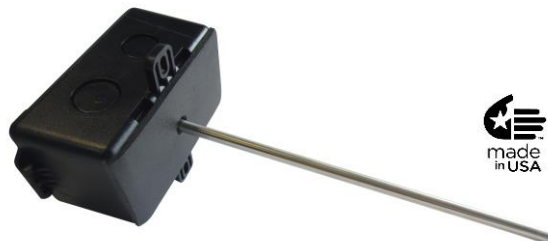
A thermistor type sensor, the Wireless Duct Temperature Sensor provides a predictable output over a specified temperature range to meet each manufacturer's required input values.

A part of Autani's *EnergyCenter* family of devices, the Wireless Duct Temperature Sensor uses the *autaniNet* wireless mesh network to communicate with other Autani devices to trigger changes in HVAC.

Applications

Wireless Duct Temperature Sensors are suitable for renovation, upgrade, and new construction projects.

- 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! *autaniNet* secure wireless 2.4GHz communications with Autani 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**

Specifications

SENSOR OUTPUT

- autaniNet messages for EnergyCenter

ENVIRONMENTAL

- Operating Temperature: 0° to 60°C
- Operating Humidity: 0 to 90% RH non-condensing
- Accuracy (0 to 70°C)
- +/-0.2°C (+/-0.36°F)

STABILITY

- +/- 0.13°C (0.23°F)

POWER DISSIPATION CONSTANT

- 3 mW / °C

INTERCHANGEABILITY

- +/- 0.2°C (+/-0.36°F)

RADIO NETWORK (*autaniNet*)

- IEEE 802.15.4-2003 2.4GHz ISM
- Range: Up to 2000' LOS transmit/ receive

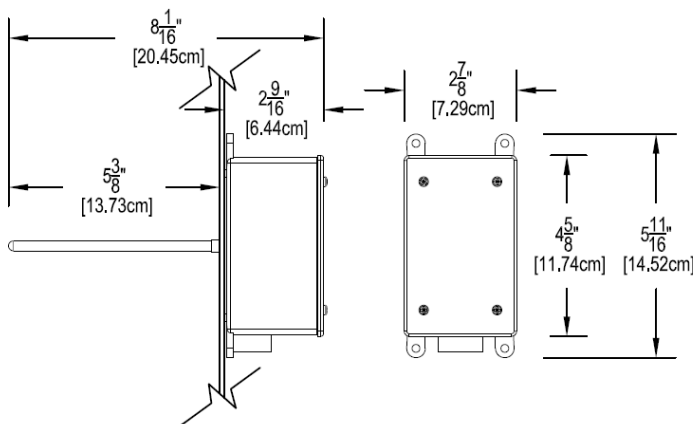
REGULATORY APPROVALS

- FCC ID: V8NZRB1000152
- IC: 7737A-ZRB1000152



Indoor use only

Dimensions



Ordering Information

SKU	Description
A01-01-0141-01	EnergyCenter Wireless Duct Temperature Sensor <i>Requires 24VDC power supply</i>
Optional Accessories	
Optional configurations for strap on, immersion, wall mount, and bullet probe are also available.	