Description

Autani Wireless Temperature Sensors feature an integrated wireless transceiver—eliminating the need for control wiring. Available in multiple configurations including bullet, strap, outdoor, and refrigerator, the sensor monitors and reports temperatures to the Autani *EnergyCenter* software. With wide sensing ranges and multiple mounting options, this sensor can support an array of temperature monitoring applications.

A thermistor type sensor, Autani's Wireless Temperature Sensors provide a predictable output over a specified temperature range to meet the customer's application specific input values.

A part of Autani's *EnergyCenter* family of devices, the Wireless Temperature Sensors use the *autaniNet* wireless mesh network to communicate with other Autani devices to trigger changes in HVAC, generate alerts of monitored conditions, or simply record values for required documentation.

Applications

Autani's Wireless 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 sensor 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**

autani
building controls

Specifications

SENSOR OUTPUT
- *autaniNet* messages for EnergyCenter

ENVIRONMENTAL (TRANSCEIVER)
- Operating Temperature: 0° to 50°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)

MEASUREMENT RANGE
- -40° to 150°C / -40° to 302°F

INTERCHANGEABILITY
- +/- 0.2°C (+/-0.36°F)

RADIO NETWORK *(autaniNet)*
- IEEE 802.15.4-2003 2.4GHz ISM
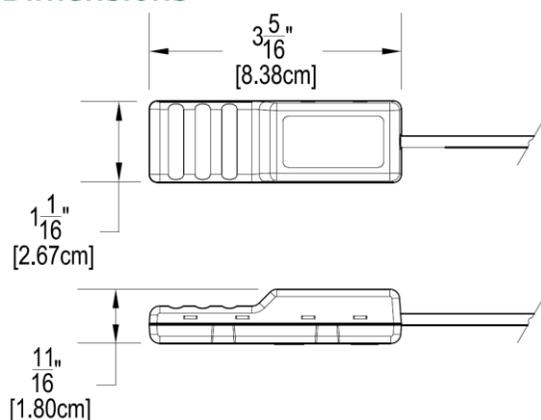- Range: Up to 2000' LOS transmit/ receive

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

Indoor use only

Dimensions

3 5/16 " [8.38cm]

1 1/16 " [2.67cm]

11/16 " [1.80cm]

Ordering Information

SKU	Description
A05-02-1106-01	Wireless Bullet Probe Temp Sensor
A01-02-1171-01	Wireless Strap-On Temp Sensor
A05-02-1105-01	Wireless Outdoor Temp Sensor
A05-02-1103-01	Wireless Refrigerator Temp Sensor
A05-02-1103-02	Wireless Refrigerator Temp Sensor with glycol bottle
A05-02-1104-01	Wireless Freezer Temp Sensor with glycol bottle
A01-01-0141-01	Wireless Duct Temp Sensor (requires 24v AC/DC power supply, by others)
A01-02-0141-31	Wireless Probe Temp Sensor, 8", NIST Certified
A01-28-0141-32	Wireless Probe Temp Sensor, 12", NIST Certified
A05-01-0120-01	Wireless Stack Temp Sensor Probe
A05-28-0121-01	Wireless Pressure Kit, +/- 0.1" Water Column Sensor, 10' Tube, Pickup Port
A05-02-1100-01	Wireless Humidity Sensor (+/-3% accuracy)
A05-02-1101-01	Wireless Differential Pressure Sensor, 0-2" – Filter Monitoring
A05-02-1102-01	Wireless Differential Pressure Sensor, 0-3" – Static Pressure
A01-02-1146-01	Wireless Wall Plate Temp Sensor