Wireless Temperature Sensor

Features and highlights

- **Wireless**
  Saves installation costs and maintains integrity and look of existing décor.

- **Powerful**
  Offers long battery life, 100-foot range and enough unique settings to enable thousands of devices to work independently without interference.

Alerton's Wireless Temperature Sensor integrates seamlessly with the AZW-5000 Wireless System, then passes data to a wide range of VisualLogic® controllers and adds fully programmable building automation control without the need to open walls to run wires. There are two models of the Wireless Temperature Sensor: One sensor with a temperature setpoint knob and manual override (WTS-1050), and one sensor without setpoint or override (WTS-1000).

The Wireless Temperature Sensor meets a building owner's demand for energy efficient, accurate control without the time and cost of running wiring and conduit. With its flexible programming capabilities for building automation, the Wireless Temperature Sensor saves time and money while improving performance.

The Wireless Temperature Sensor is ideal for buildings whose décor cannot be scarred by cutting into walls, the Alerton Wireless Temperature Sensor provides precision control that saves time, reduces costs and preserves a building's appearance. Combined with Alerton's AZW-5000, BCM and a VisualLogic controller, the Wireless Temperature Sensor is a complete wireless networking solution.

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Technical data

- **Battery**   5 years with two AA Alkaline batteries (included); 7.5 years with two AA Lithium batteries.

- **Max. Dimensions**
  Receiver   5.5" (140mm)H x 3.2" (81mm)W x 2.2" (56mm)D.
  Sensor   4.68" (119mm)H x 3.0" (77mm)W x 1.16" (29mm)D.

- **Environmental**
  Wall Module Operating Temperature   45–99 deg. F (7–37 deg. C).
  Storage Temperature   -40–150 deg. F (-40–65.5 deg. C).
  Operating Humidity   5–95% RH (non-condensing).

- **Accuracy**   +/- 1 deg. F (+/- 0.5 deg. C) across 12–30 deg. C.

- **Transmission interval**   30 seconds.

- **Radio Frequency**   2.4 GHz (IEEE Std 802.15.4-2003 compliant)
  Open Range   100 feet.
  Typical Range   100 feet.
  Output power   16dBm.

- **Ratings**
  Part 15 of the FCC rules. Operation is subject to the following two conditions:

  1) This device may not cause harmful interference, and

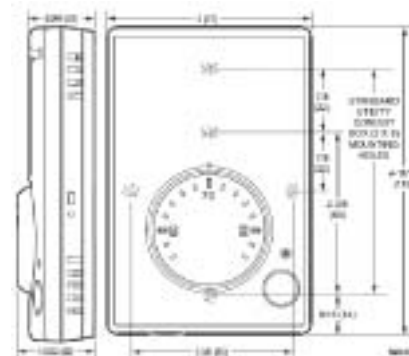 2) This device must accept any interference received, including interference that may cause undesired operation.

Fig.1 Sensor dimensions.

Ordering information

Item number	Description
WTS-1050	Wireless temperature sensor, temperature adjustment knob and manual override
WTS-1000	Wireless temperature sensor

Specifications subject to change without notice