

Wireless Temperature and Humidity 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 and Humidity Sensor integrates seamlessly with the AZW-5000 wireless system to make temperature and humidity data available to a wide range of VisualLogic® controllers. It is part of a fully programmable building automation system that does not require opening walls to run wires. There are two models of the Wireless Temperature and Humidity Sensor: one with a temperature setpoint knob and manual override (WTS-1050-H), and one without setpoint or override (WTS-1000-H).

The Wireless Temperature and Humidity Sensor meets a building owner's demand for energy efficient, accurate control without the time and cost of running wiring and conduit. The added flexibility of wireless sensors in building automation systems saves time and money while improving performance.

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

Technical data

- **Battery** 5 years with two AA Lithium batteries (included).
- **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.
+/- 3% RH (non-condensing).
- **Transmission interval** 30 seconds.
- **Radio**
 - Frequency** 2.4 GHz.
 - Compliance** IEEE Std 802.15.4-2003 compliant.
 - Open Range** 100 feet.
 - Typical Range** 100 feet.
 - Output power** WTS-1000-H, WTS-1050-H 16dBm.
WTS-1000-H-E, WTS-1050-H-E 12dBm.
- **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.

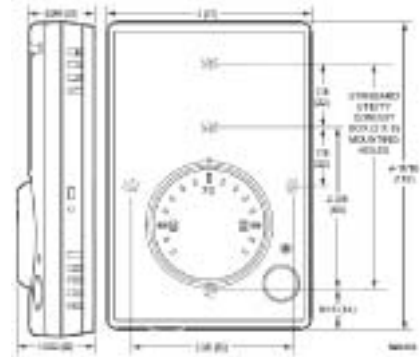


Fig.1 Sensor dimensions.