

# Wireless Temperature Sensor Kit

## Features and highlights

- **Wireless**  
Saves installation costs and maintains integrity and look of existing décor.
- **Universal**  
Seamless connectivity to controllers, Alerton and third-party; receiver duplicates inputs from a sensor when wired to the controller.
- **Convenient**  
Sensor and receiver are paired at the factory, enabling quick installation.
- **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 Kit integrates seamlessly with a wide range of controllers and adds fully programmable building automation control without the hassles of cutting walls and running wires. There are two models of the Wireless Temperature Sensor Kit: One with a temperature adjustment knob and manual override, and one without.

The Wireless Temperature Sensor Kit 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 kit saves time and money while improving performance.

The Wireless Temperature Sensor Kit ships with a matched receiver. These sensor-receiver kits are paired at the factory so you never have to worry about configuring the units. Ideal for buildings whose décor cannot be scarred by cutting into walls, the Alerton Wireless Temperature Sensor Kit provides precision control that saves time, reduces costs and preserves a building's appearance.

# Wireless Temperature Sensor Kit

## Technical data

- **Power** Receiver voltage: 20–30VAC/DC.
- **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).
  - Receiver Operating Temperature** -40–150 deg. F (-40–65.5 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.
  - Receiver Power Consumption** <0.5 VA.
- **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.

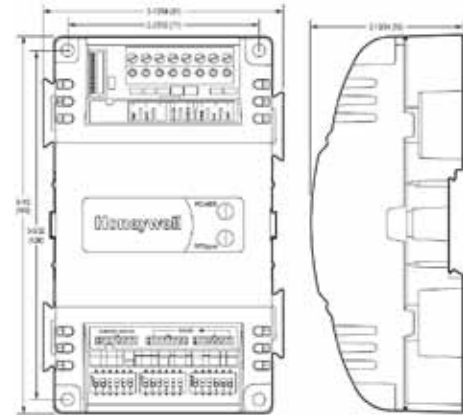


Fig.1 Receiver dimensions.

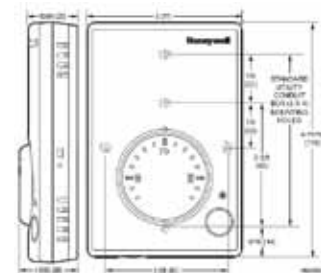


Fig. 2 Sensor dimensions.

## Ordering information

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

Specifications subject to change without notice