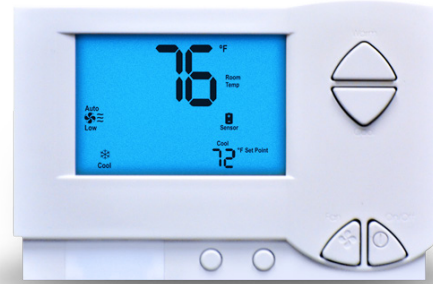




# SensorStat Wired Thermostat



## BENEFITS

The SensorStat wired thermostat is programmable with over 125 configurable settings used to control the efficiency of HVAC equipment. It provides compatibility across HVAC systems and is easily installed on packaged terminal air conditioners, fan coils, heat pumps, split systems and more.

Large internal data loggers measure over 40 runtime metrics for measurement, verification and detailed analytics. The SensorStat wired thermostat can be installed as a standalone thermostat or networked as a facility-wide building management system.

## SPECIFICATIONS

<b>Part Number</b>	
BT100110	THERMOSTAT, WIRED+
<b>System Requirements</b>	
Power	Line Voltage (18 to 277 V AC or DC) (24 VAC/VDC or 120 to 277 VAC)
<b>Dimensions</b>	
Height	4.0" (10.2 cm)
Width	6.0" (15.2 cm)
Depth	1.5" (3.8 cm)

### Display

Display Size	3" (7.62 cm)
Display Type	Liquid Crystal Display (LCD)

### Customization

Case Color	Any Pantone® color, including metallic finishes
Display Backlight	Blue or Orange
Soft Buttons	Select from °F/°C, Heat, Cool, Heat/Cool or Backlight

### Occupancy Detection

Type	Infrared (IR)
Range	See page 3

### Operational Temperature

Min	35°F (2°C)
Max	120°F (49°C)

### Operational Humidity

Min	10% Relative Humidity
Max	90% Relative Humidity

### Internal Humidity Sensor

Min	10% Relative Humidity
Max	90% Relative Humidity
Accuracy	± 2%

## Interconnectivity and Certifications

### Internal Mesh Network Radio

Specification	ZigBee® IEEE 802.15.4
Radio Band	2.4 GHz ISM
Radio Power	1 mW (0dBm)
Radio Range	Up to 300 ft. (100 m) based on environment

### I / O Connections

NTC Temperature Probe	2 Inputs
Current Transformer Input	2 Inputs
Dry Contact Input	4 Inputs
Analog Valve Control Output	2 Outputs, 0-10V, 4-20 mA

### Firmware Upgrades

Manually	With ESU using EcoSmart Data Cable & Laptop Computer
Over the Air	Via Onity gateway system commander

### Certifications

FCC	FCC ID: XV6PST6000
-----	--------------------

## HVAC and Electrical Specifications

### Compatible HVAC Units

Type	PTAC, Fan Coil, Split, 2 & 4 Pipe Valve
Other	Custom wiring & configuration available w/ request

### Maximum Current Draw

Output	6 Relay outputs, see IOM for more details
--------	---

### Functional Wattage

Max	2.5W
-----	------

## Optional Components

### High Power Mesh Network Radio w/External Antenna Port

Part Number	SENSORSTAT HIGH POWER RADIO
Specification	ZigBee 802.15.4
Radio Band	2.4 GHz ISM
Radio Power	1 mW (0dBm)
Radio Range	Up to 300 ft. (100 m) based on environment

### External Mesh Network Antenna

Allows radio communication in RF-obstructed locations

Part Number	SENSORSTAT FLEXIBLE ANTENNA
Required Hardware	Requires BT200108 Mesh Network Radio (allows connection for external antenna)

### External NTC Temperature Probe

Min	-35°F (2°C)*
Max	370°F (187.78°C)*

\*standard range; other range options are available

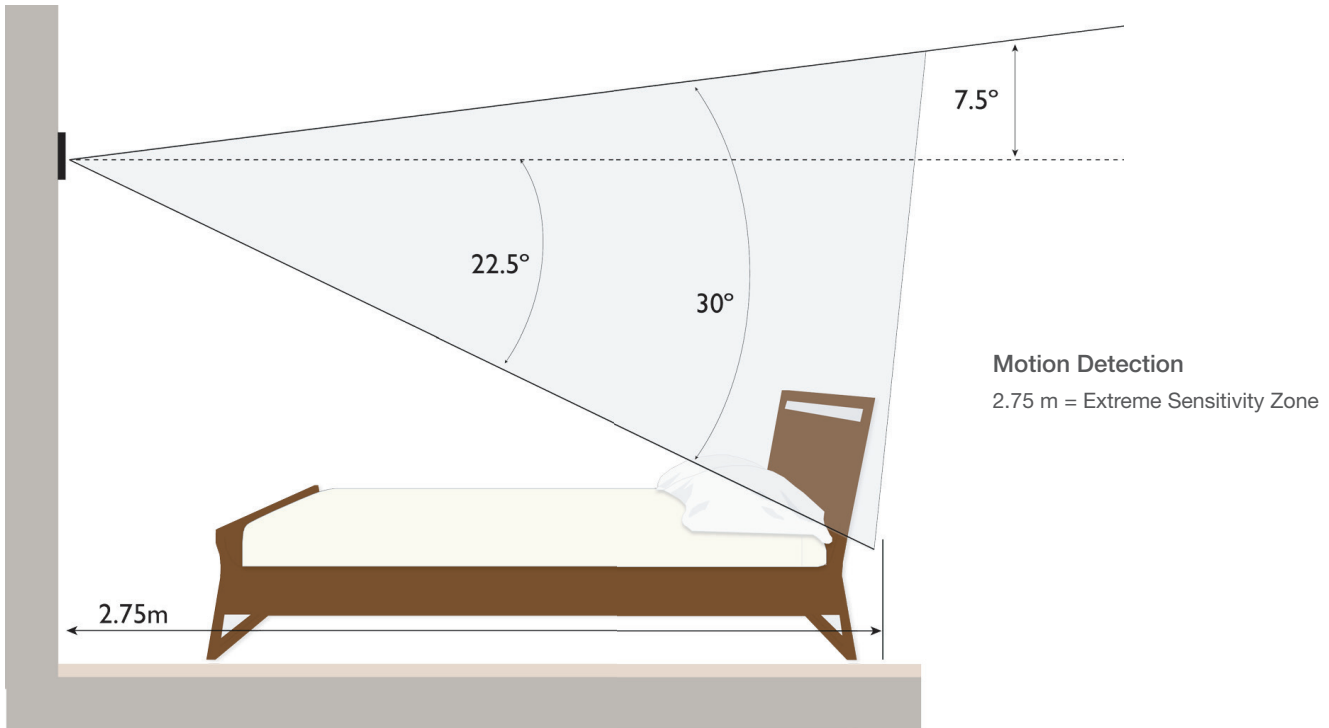
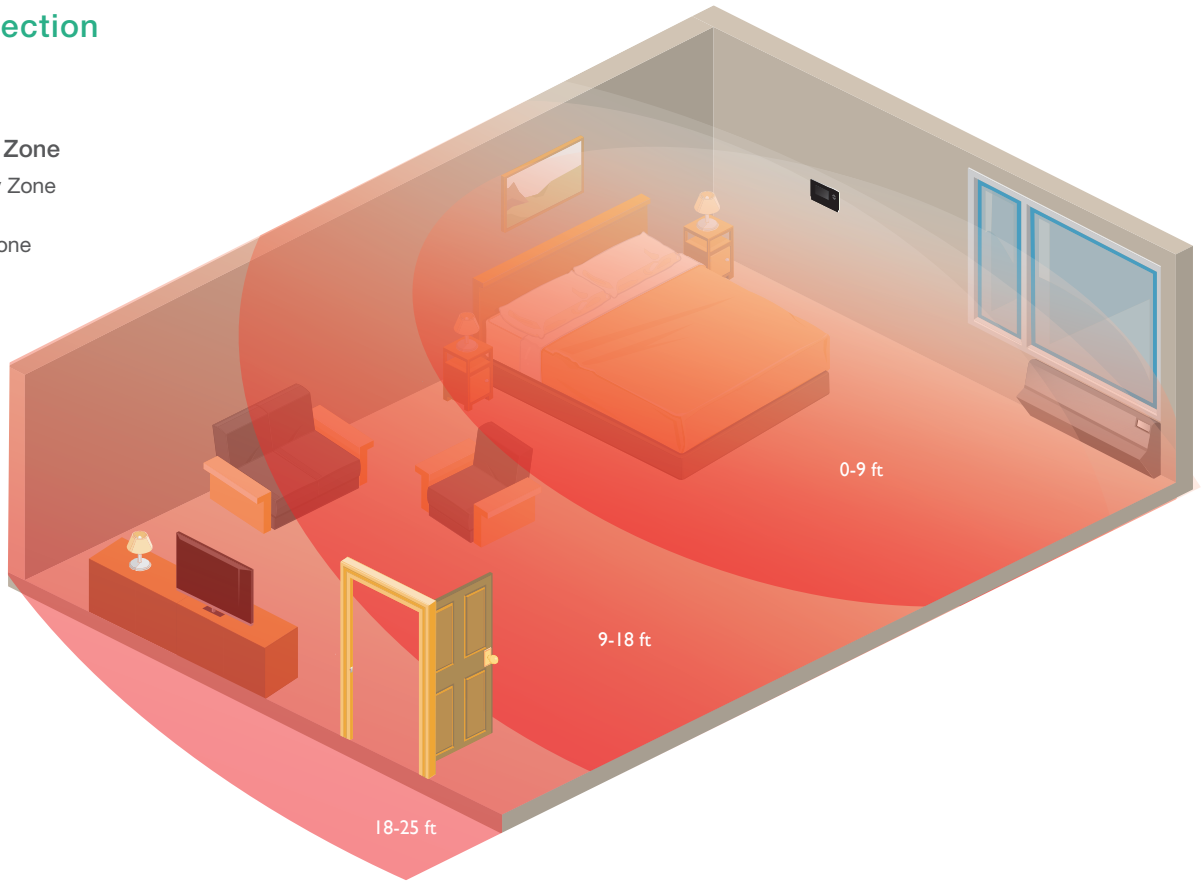
# Occupancy Detection

## Occupancy Coverage Zone

0-9 ft. Extreme Sensitivity Zone

9-18 ft. Medium Zone

18-25 ft. Larger Motion Zone



©2018 Onity Inc. All rights reserved. Onity is a part of UTC Climate, Controls & Security, a unit of United Technologies Corporation. Zigbee is a registered trademark of the Zigbee Alliance.

12/2018