



SensorStat Occupancy Sensor



BENEFITS

The SensorStat occupancy sensor is a passive infra-red (PIR) detector that evaluates both body temperature and motion to ensure accurate occupancy detection.

- Is designed to work within the SensorStat energy management network to supplement the occupancy detection of the SensorStat wireless thermostat.
- Includes an integrated photometer light level sensor to increase the accuracy of occupant detection in low-light conditions.
- Has an onboard microprocessor to store specific settings affecting its mode of operation. These advanced settings are software selectable and include a wide range of sensitivity options as well as motion filters to compensate for unavoidable site conditions such as convection currents, vibration, and frequency interference that can trigger false occupancy.
- Internal lens provides an overlapping coverage pattern, allowing a single sensor to cover a large area.
- Is compatible with third party ZigBee® devices, and is compliant with the ZigBee Home Automation (HA) Standards.
- PIR is directional: it can be aimed based on room design and mounting location.

SPECIFICATIONS

Part Number	
BT100201	SENSOR, OCCUPANCY
System Requirements	
Power	AA batteries (approximately 6 years of battery life)
Wired	3V Input
Dimensions	
Diameter with Cover	105.7mm
Depth with Cover	28mm
Occupancy Detection	
Type	Infrared (IR)
Range	See reverse
Field of View	20°
Rotation	0°-50°
Operational Temperature	
Min	35°F (2°C)
Max	120°F (49°C)

Interconnectivity

Internal Mesh Network Radio

Specification	ZigBee® IEEE 802.15.4
Radio Band	2.4 GHz ISM Band
Radio Power	+7 dBm
Radio Range	Up to 300 ft. (100 m) based on environment

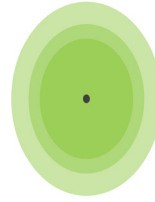
I/O Connections

Dry Contact Input	2 inputs
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Firmware Upgrades

Field Upgradable	
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Occupancy Detection



Overhead View

Occupancy Coverage Zone

0-12 ft. Extreme Sensitivity Zone

12-18 ft. Medium Motion Zone

18-30 ft. Larger Motion Zone

