



DESCRIPTION

The **WS Series** Occupancy Sensor is a decorator style automatic wall switch with an attractive, low profile design. It replaces a standard wall switch to turn lighting on when a room is occupied and off when the room is vacant. The **WS Series** has advanced passive infrared (PIR) technology and a two-level lens to sense when a room is occupied. It also contains an adjustable light level sensor to keep lights off when ambient light is adequate.

FEATURES

- **Advanced PIR technology**
- **Shallow housing and flying leads for quick installation**
- **Adjustable time delay**
- **Integrated light level sensor**
- **Adjustable unit sensitivity**
- **No minimum load requirement**
- **No leakage to load in off mode**
- **Voltage drop protection**
- **Compatible with all ballasts and incandescent lighting**
- **Five year warranty**
- **Includes single gang cover plate**



OPERATION	
<p>The WS Series uses advanced PIR technology to detect occupancy. Detection occurs when the unit senses the difference between infrared emissions from a human body and the background space. The WS Series utilizes a custom-made Fresnel lens to achieve 180-degree detection coverage (up to 900 ft²/83.61m²) and automatically turns lights on each time the controlled area is entered. The WS Series features a built-in light-level sensor, adjustable from 2 to 200 footcandles, that holds lights off in the auto mode when natural light levels are above the preset light level. The WS Series has an adjustable time delay for turning the lights off when no occupancy is detected, and it also has an adjustable sensitivity setting.</p>	

SPECIFICATIONS			
Supply Voltage	120/ 277 VAC +/- 10%	Dimensions	2.6" x 1.7" x 1.55" (166.0 x 4.31 x 39.4 mm)
Contactors Ballast	0-800W @ 120 VAC 0-1200W @ 277 VAC	Additional Specifications	Switch positions Auto/Off (on/off during override)
Contactors Tungsten	Up to 800W @ 120 VAC	Approvals	UL and cUL listed, File #E101196
Ambient Light Coverage Pattern	From 2 to 200 fc Major motion 35' x 30' Minor motion 20' x 15'	Weight	0.35 lb (0.16 kg)
Time Delay Adjust	Digital time delay from 30 sec to 30 min.	Warranty	5 years
Operating Temperature	32° to 98°F (0° to 36°C)		



LIGHTING CONTROLS

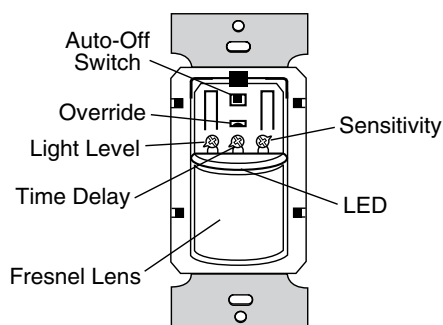
WATTSTOPPER OCCUPANCY SENSOR WS SERIES

INSTALLATION

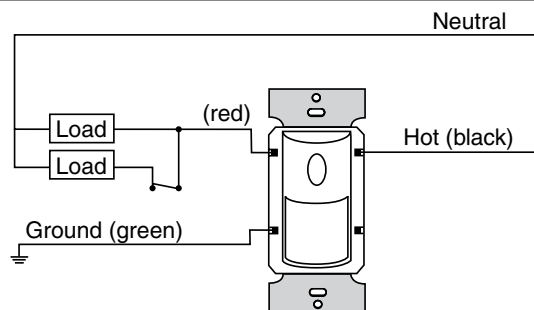
Turn off the power at the circuit breaker before installing the sensor to prevent electrical shock or equipment damage. All wiring must comply with local codes and ordinances.

1. Place the auto/off switch in the off position.
2. Connect the existing wire leads to the appropriate WS Series with UL-listed wire connectors. Red connects to the load, black to the line, and green to the ground. Do not allow bare wire to show below the connector. The ground wire must be tightly secured to ground for the unit to operate properly.
3. Attach the sensor to the wall box with the two mounting screws provided, and install the cover.
4. Set the auto/off switch to auto, and turn the circuit breaker on. After a 10-30 second delay, the lights will turn on. This delay is due to the initial power-up of the sensor and only occurs during installation.
5. Make all time delay, ambient light, and sensitivity adjustments after a two-minute warm-up. Override Function: In the event it is necessary to leave the lights on or there is a unit failure, remove the blue override pin. This will turn the auto/off switch to a standard on/off switch (functions like a standard toggle switch).

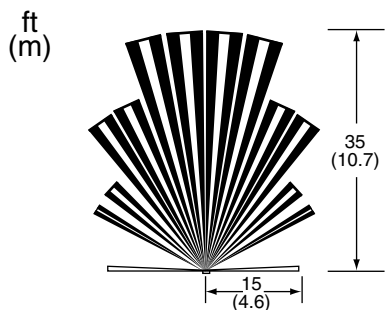
WIRING



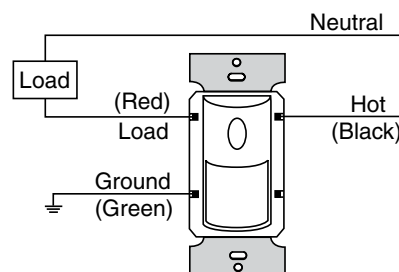
Controls



Multiple Bi-level Lighting



Coverage Pattern



Single-level Lighting

ORDERING INFORMATION

MODEL	DESCRIPTION
WS-250	120/277 VAC 0-800W ballast occupancy sensor - For 240 or 347VAC Contact Kele
COLOR	
I-P	Ivory
LA-P	Light Almond
W-P	White
G-P	Gray -Special Order
B-P	Black- Special Order

WS-250 - W-P **Example: WS-250-W-P** White occupancy sensor
P = Plate Included