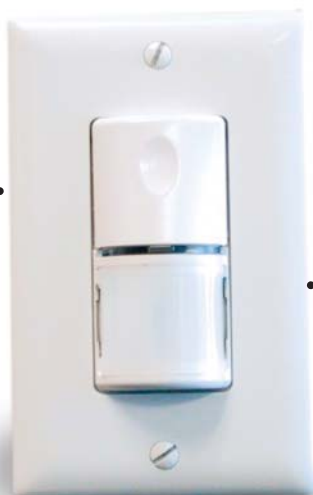




WS-200 Passive Infrared Wall Switch Sensor

180° coverage,
maximum of 900 ft²

Built-in light level sensor



Dual 120/277 VAC
operation

Terminal style wiring for
easy installation

Compatible with all
electronic ballasts

PROJECT

LOCATION/TYPE

Product Overview

Description

The WS-200 automatic wall switch sensors replace existing wall switches and fit behind standard decorator wall plates. They turn lighting on and off based on occupancy and ambient light levels.

Operation

The WS-200 utilizes advanced passive infrared technology to detect occupancy. Detection occurs when the WS senses the difference between infrared energy from a human body in motion and the background space. Lighting automatically turns on when occupancy is detected. After a user-specified length of time when no occupancy is detected, lighting automatically switches off. The sensors can also be used with multiple switches for multi-level lighting.

Light Level Sensor

The WS-200 features a built-in light level sensor. This feature holds lighting systems off when natural light levels are above the pre-set level. Once lights are switched on, the sensor will not switch them off even if daylight levels increase. Using the light level feature is optional and the setting is adjustable by the user.

Applications

The WS-200 has the flexibility to work in a variety of applications including offices, conference rooms, break rooms, and utility rooms. Energy savings for these areas can be as high as 60% since lighting will no longer remain on once the room is vacant. With a competitive price, low installation cost, and high energy savings, paybacks are usually well under two years.

Features

- ASIC technology reduces components and enhances reliability
- Pulse Count Processing eliminates false offs without reducing sensitivity
- Detection Signature Analysis eliminates false triggers; provides immunity to RFI and EMI
- Zero crossing circuitry reduces stress on the relay and results in increased sensor life
- Digital time delay adjustment from 30 seconds up to 30 minutes
- Adjustable unit sensitivity from 20% to 100%
- Integrated light level sensor holds lights off when natural light levels are above the pre-set level
- Custom, 2-level Fresnel lens enhances detection at the desktop level
- Screw terminal wiring system eliminates the need for wire nuts, making installation quicker
- Patented voltage drop protection
- For safety, there is no leakage to load in the off mode and sensor is safety grounded
- LED indicates occupancy detection

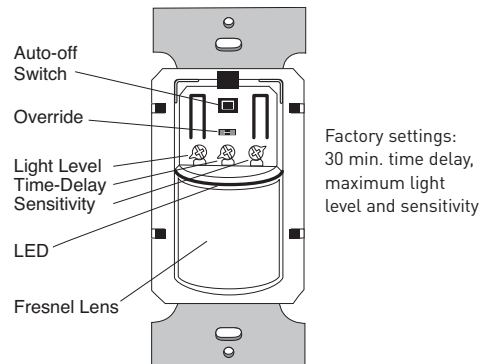


Specifications

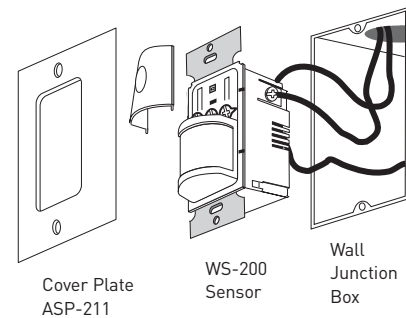
- 120/277 VAC
- Coverage of 180 degrees, maximum 900 ft²; 300 ft² for desktop activity
- Time delay adjustable from 30 seconds up to 30 minutes
- Adjustable unit sensitivity from 20% to 100%
- Adjustable light level setting of 2 to 200 footcandles (21.5 to 2,153 lux)
- Compatible with all electronic ballasts and PL lamp ballasts
- Dimensions: 2.6" x 1.7" x 2" (66.0mm x 43.1mm x 50.8mm) L x W x D
- UL and CUL listed; Five year warranty

Controls & Installation

Product Controls

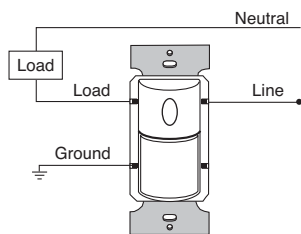


Installation

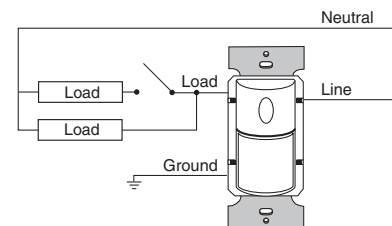


Wiring

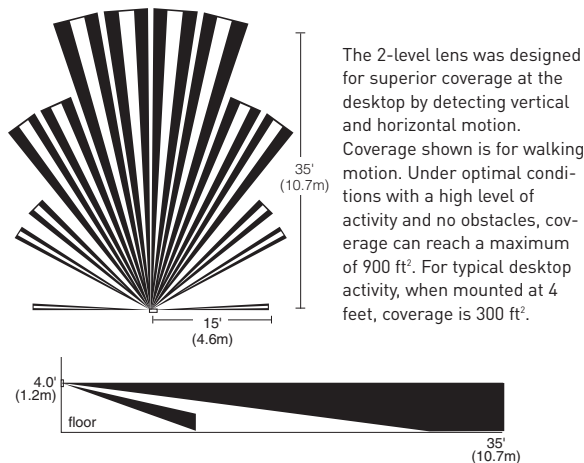
Single Level Lighting



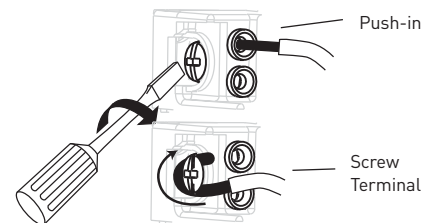
Manual Bi-level Lighting



Coverage & Wire Connection



Wire Connections



Wiring the sensor is quick and simple with the WS's terminal wiring screws.

Ordering Information

Catalog No.	Color	Voltage	Load Requirement	Coverage
<input type="checkbox"/> WS-200-W	White	120 VAC; 60 Hz or 277 VAC; 60 Hz	0-800 Watt Ballast or 0-1200 Watt Ballast	180°, up to 900 ft ² [83.6 m ²]
<input type="checkbox"/> WS-200-A	Lt. Almond			
<input type="checkbox"/> WS-200-I	Ivory			
<input type="checkbox"/> WS-200-G	Grey			
<input type="checkbox"/> WS-200-B	Black			

Pub. No. 13905

One ASP-211 single-gang cover plate included. Order ASP-422 for blank 2-gang cover plate, ASP-432 for 2-gang cover plate with switch option (specify color). *Models for 220-240 VAC (WS-230) and 347 VAC (WS-347) are available.