



Technical Specifications PIR Wall Switch – WSP200, OS300S, OSR300S

Pass & Seymour



Typical Specifications

Wall switch occupancy sensors shall be cULus Listed, and California Title 24 Compliant as provided by Pass & Seymour/Legrand. Sensors shall be self-contained and fit in a standard wall box. Sensors shall be capable of detecting changes in the infrared background caused by motion. Sensors shall be capable of switching incandescent and fluorescent lighting loads on and off. Sensors shall use optics that operate with a 180° field of view. The wall switch occupancy sensor shall be equipped with controls to adjust sensitivity and ambient light threshold. The sensor shall also offer a time-delay adjustment from 30 seconds to 30 minutes, as well as an override. Conforms to NEMA WD-1 and WD-6.

Catalog Number	Description
□ WSP200	Passive Infrared Wall Switch
□ OS300S	Self-Adaptive Passive Infrared Occupancy/Vacancy Sensor
□ OSR300S	Dual-Relay Self-Adaptive Passive Infrared Occupancy/Vacancy Sensor

Performance

Electrical

Supply Voltage	120/277 Volt AC 60 Hz
Maximum Load	800W Incandescent/Fluorescent at 120V 1/4 HP 1200W Fluorescent at 277V
Minimum Load	None
AC Switching	WSP200, OS300S: Normally Open Relay, Zero Crossing Circuitry OSR300S: 2 Normally Open Relays, Zero Crossing Circuitry

Sensor

Technology	WSP200: Passive Infrared OS300S, OSR300S: Self-Adaptive Passive Infrared
Time Delay	WSP200: Adjustable 30 sec. to 30 min. OS300S, OSR300S: Adjustable 5 min. to 30 min.
Light Level Adjustment	WSP200: Adjustable from full daylight to 10 foot-candles OS300S, OSR300S: 8-180 fcs
Sensitivity Adjustment	WSP200: 20% to 100% OS300S, OSR300S: Self-Adaptive and Fixed Low
Spectral Response	WSP200: 6 to 14 μm OS300S: 7 to 14 μm OSR300S: 8 to 14 μm
Field of View	Horizontal: 180° Vertical: 2° and 8.6° down from the center
Indicator Light	Red LED flashes when motion is detected
Lens Type	Two-tier lens
Walk-through Mode	WSP200: No; OS300S, OSR300S: Yes
Audible Alert	WSP200: No; OS300S, OSR300S: Yes
Test Mode	WSP200: No; OS300S, OSR300S: Yes

Environmental

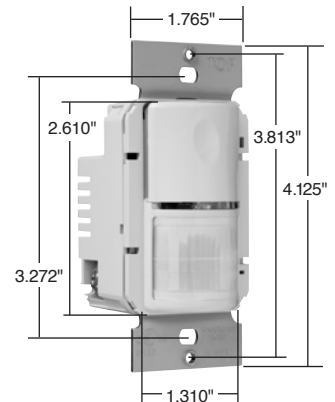
Temperature Range	0°C to 35°C
Non-condensing Relative Humidity	20 to 90%

Mechanical

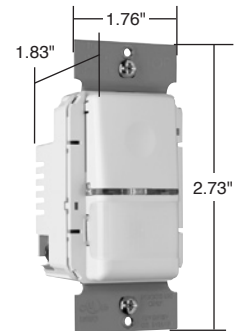
Enclosure Material	Thermoplastic, UV-resistant plastic
Color(s)	WSP200: Ivory, White, Gray, Light Almond OS300S, OSR300S: Ivory, White, Gray, Light Almond

Third Party Compliance

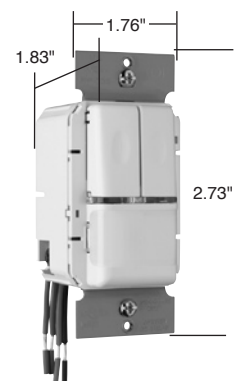
cULus Listed – UL508 and C22.2 No. 14
California Title 24 Compliant



WSP200-LA



OS300SW



OSR300SW

Wiring Diagrams on Pages M-8, M-9, and M-10.

Project	
Location/Type	