

Catalog #	Type
Project	
Comments	
Prepared by	Date

# OSW-P, 120/277V PIR/Single Level Wall Switch Sensor (Ground Required)



- Replaces single or multi-pole switches
- No neutral wire
- Integral Daylight Sensor
- Choice of Manual ON or Auto On operation
- Works with Incandescent, LED, Fluorescent, CFL, MLV, ELV or 1/2 HP motor load
- NEMA WD7 Standard robotic method utilized to verify coverage patterns

### Specifications:

**Technology:** Passive Infrared (PIR)

**Electrical Ratings:**

**120 VAC:**

- Incandescent/Magnetic Low Voltage/Magnetic Ballast – Max. load: 15A, 1800W, 60 Hz
- LED/Compact Fluorescent/Electronic Low Voltage/Electronic Ballast – Max. load: 10A, 1200W, 60 Hz

**Motor Load:** 1/2 HP @ 125 VAC

**277 VAC:**

- Magnetic Low Voltage/Magnetic Ballast/LED/Compact Fluorescent/Electronic Low Voltage/Electronic Ballast - Max. Load: 8A, 2200W, 60 Hz

**No Minimum Load Requirement**

**Time Delays:** selectable 5 seconds/test, 5 minutes (factory default), 10 and 30 minutes

**Coverage:** Major motion - 1000 sq. ft.  
Minor motion - 300 sq. ft.

**Light Level Sensing:** 0 to 200 foot-candles

**Operating Environment:**

- Temperature: 32° F – 104° F (0° C to 40° C)
- Relative Humidity: 20% to 90% non-condensing
- For indoor use only

**Housing:** Durable, injection molded housing. Resin complies with UL94V0

**Size:**

- Mounting Plate/Strap Dimensions: 4.2"H x 1.8"W (106.5 mm x 46 mm)
- Product Housing Dimensions: 2.87"H x 1.6"W x 1.42"D (72.8 mm x 40.7 mm x 36 mm)

**LED Indicators:** Green LED for PIR detection

**Warranty:** Five year

FCC Compliant

cULus Listed

RoHS Compliant 

Reinforced color matched tamper resistant lens



### Overview

The OSW-P-1001-MV Passive Infrared Single Level Occupancy Sensing Wall Switch is a motion sensing lighting control and conventional Wall Switch all-in-one that is used to for energy savings and convenience.

### Overview

OSW-P-1001-MV is designed to detect motion from a heat-emitting source (such as a person entering a room) within its field-of-view and automatically switch lights ON. These sensors have multi-segmented lenses. For units to sense motion, the person must cross between two segments. The distance between segments increases the farther you are from the sensor, so motion has to be larger the farther you are from the unit. PIR sensors are considered line-of-sight sensors, meaning that the sensor must be able to have a direct line-of-sight to the person making the motion. In Automatic On Mode, the lights turn ON when a person enters the room. In Manual On Mode, the lights are turned ON by pressing the Pushbutton. The sensor provides true multi-way ON/OFF control. When lights have been activated, the lights will remain on as long as one of the sensor(s) continue to detect motion. The occupant may manually turn OFF the lighting by pressing the ON/OFF button on any of the connected devices. If the room becomes vacant and the lights are ON, the lights will turn OFF when the unit that detected motion last times-out.

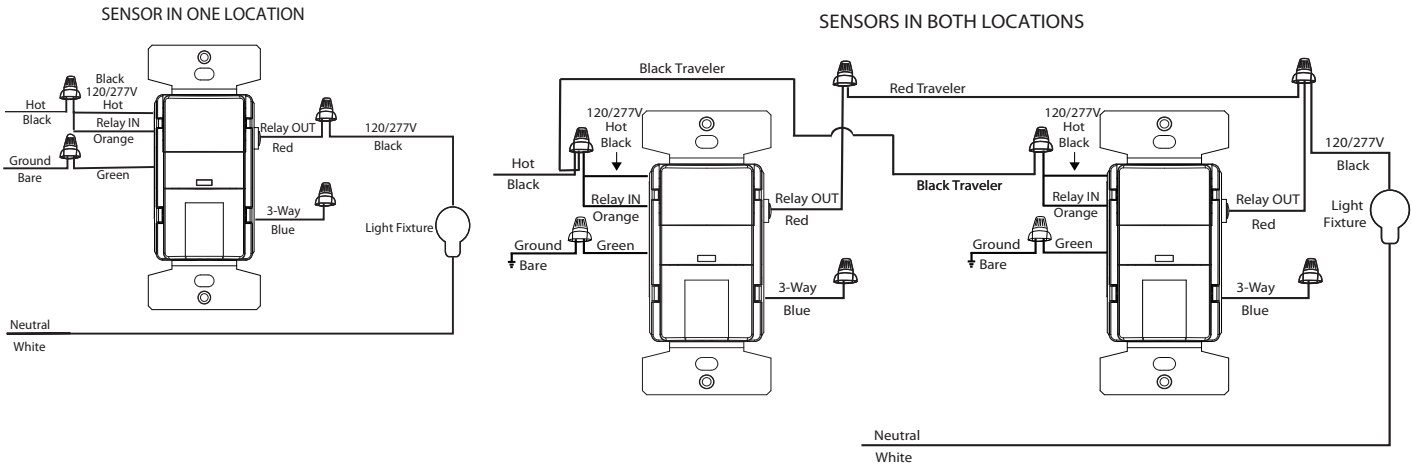
### Applications

private offices	small classrooms	small waiting rooms
small conference rooms	small restrooms (no stalls)	small closets
lunch/break rooms	small lounge rooms	small storage areas

### Ordering Wallplate not included

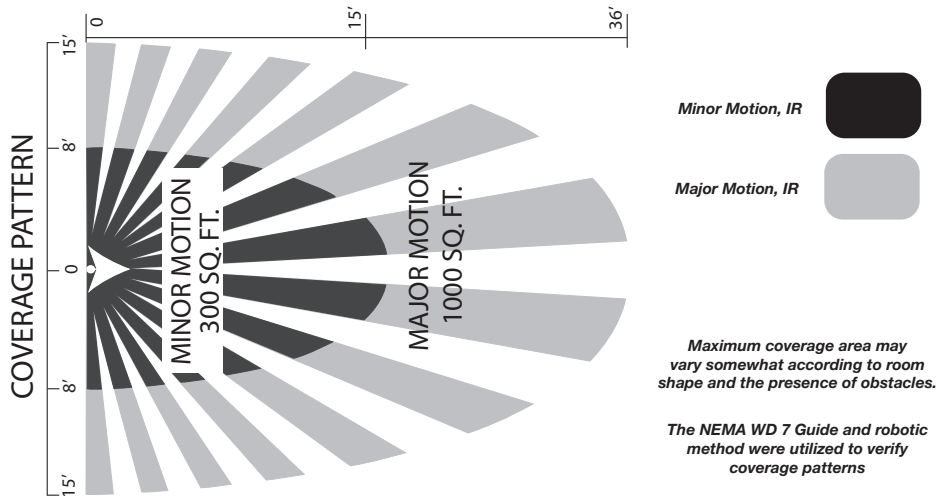
Catalog #	Ratings	Coverage	Voltage
OSW-P-1001-MV.* (* - W, V, LA, G, B)	Incandescent: 0 - 1800W @ 120V Fluorescent: 0 - 1200W @ 120V Fluorescent: 0 - 2200W @ 277V Max. Load/Relay	180°; 1000 sq ft	120/277 VAC; 60 Hz

\* White, Ivory, Light Almond, Gray, Black

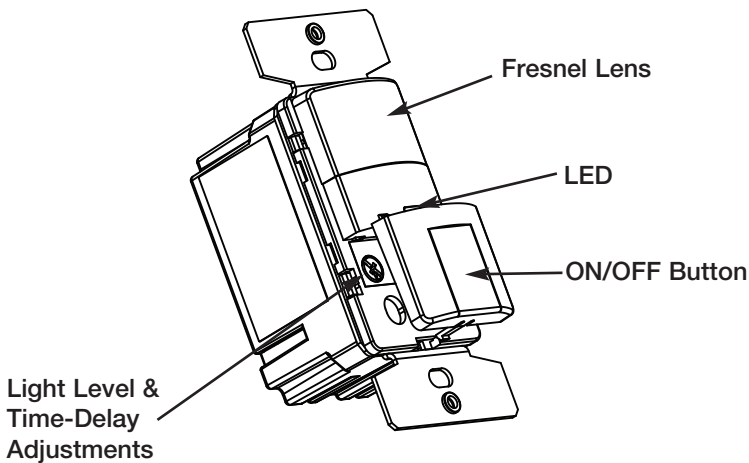


\*For additional wiring diagrams refer to Installation Instructions

## Coverage



## Controls



## Light Levels & Time-Delay Adjustments

