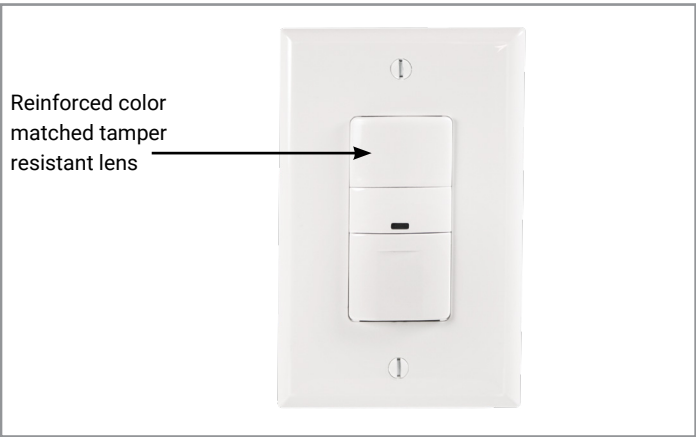


Project		Catalog #		Type	
Prepared by		Notes		Date	



Greengate

OSW-P-1001-MV 120/277V PIR

Single Level Wall Switch Sensor
(Ground Required)

Typical Applications
Office • Small Conference Rooms • Lunch/Break Rooms • Classrooms • Restrooms (No Stalls) • Lounges • Waiting Rooms • Closets • Storage Areas

- 
Interactive Menu
 - Order Information page 2
 - Additional Resources page 2
 - Wiring Diagrams page 3
 - Product Warranty

Product Certification



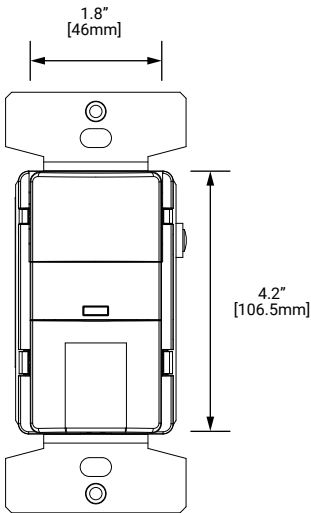
Product Features



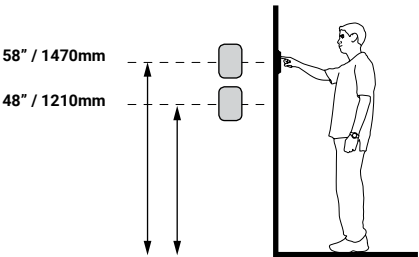
Top Product Features

- Replaces single or 3-way 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

Dimensional and Mounting Details



Scale or Mounting Height



 additional product diagrams

Order Information

SAMPLE ORDER NUMBER: **OSW-P-1001-MV-W**

One single gang wallplate included

Catalog Number

Catalog Number	Ratings	Coverage	Voltage	Color
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, 50/60 Hz	W=White, V=Ivory, LA=Light Almond, G=Gray, B=Black
				Notes Not all colors are available in stock and some color options may have extended lead times.

Product Specifications

Technology

- Passive Infrared (PIR)

Mechanical

Mounting Plate/Strap Dimensions: 4.2" H x 1.8" W (106.55mm x 46mm)

Product Housing Dimensions: 2.87" H x 1.6" W x 1.42" D (72.8mm x 40.7mm x 36mm)

Environment:

- Operating temperature:** 32°F to 104°F (0°C to 40°C)
- Relative humidity operating:** 20% to 90% non-condensing
- For indoor use only

Housing: Durable, injection molded housing. ABS resin complies with UL 94V-0

Mounting: Fits in a standard 3.5" deep back box Can be mounted in multiple gang back box Refer to NEC box calculation for properly sized mounting box

Electrical

Electrical ratings (per relay):

- 120 VAC
 - Incandescent / Magnetic Low Voltage/Magnetic Ballast – Max load: 15A, 800W, 50/60 Hz
 - LED / Compact Fluorescent / Electronic Low Voltage / Electronic Ballast – Max load: 10A, 1200W, 60 Hz
 - Motor Load: 1/2 HP @ 125 VAC
- 277VAC
 - Magnetic Low Voltage / Magnetic Ballast / LED / Compact Fluorescent / Electronic Low Voltage / Electronic Ballast - Max load: 8A, 2200W, 60 Hz

No Minimum Load Requirement

Hardware Specifications

LED Indicators:

- Red LED for Ultrasonic detection

Controls and Performance

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 sensing level:

- 0 to 200 foot candles

Standards/Ratings

- cULus Listed - Energy Management Equipment (UL916)
- FCC Compliant
- RoHS Compliant

Warning

- This product is not intended to be used in applications involving the use of ammonia-based or VOC cleaners.
- Use of ammonia-based or VOC cleaners on this device must be avoided. Prolonged use may cause loss of integrity and expose electrified components. If this occurs, turn OFF power to the unit and replace.
- For detailed cleaning guidelines please refer to: Controls Care and Maintenance instructions at the end of this document.

Warranty

Five year warranty standard

Overview

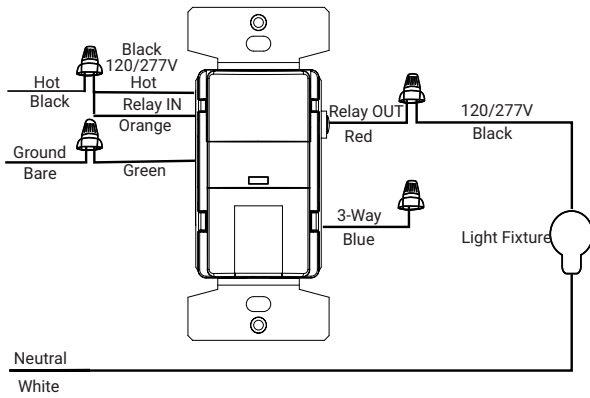
The OSW-P-1001-MV Passive Infrared Single Level or 3-way Occupancy Sensing Wall Switch is a motion sensing lighting control and conventional wall switch all-in-one that is used to for energy savings and convenience.

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.

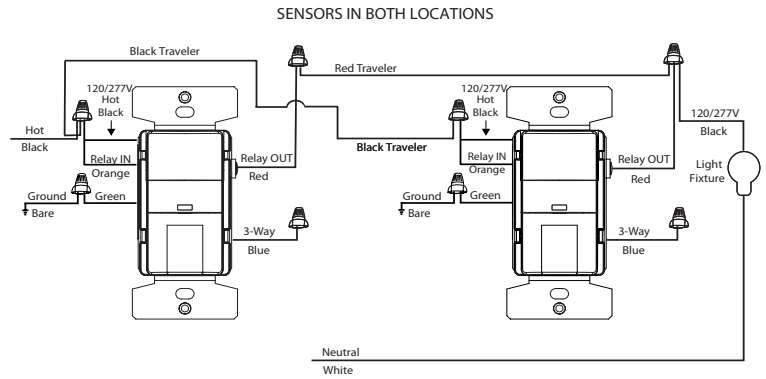
These sensors have multi-segmented lenses. For units to sense motion, the person must cross between two segments. The distance between segments increases the farther you are from the sensor, so motion has to be larger the farther you are from the unit. PIR sensors are considered line-of-sight sensors, 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.

Wiring Diagrams

Single Level Switching

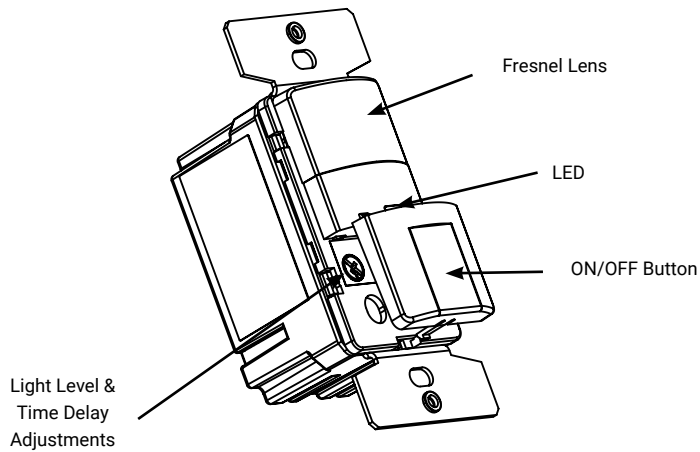


Three-way wiring

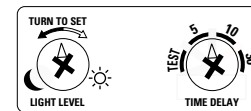


*For additional wiring diagrams refer to installation instructions

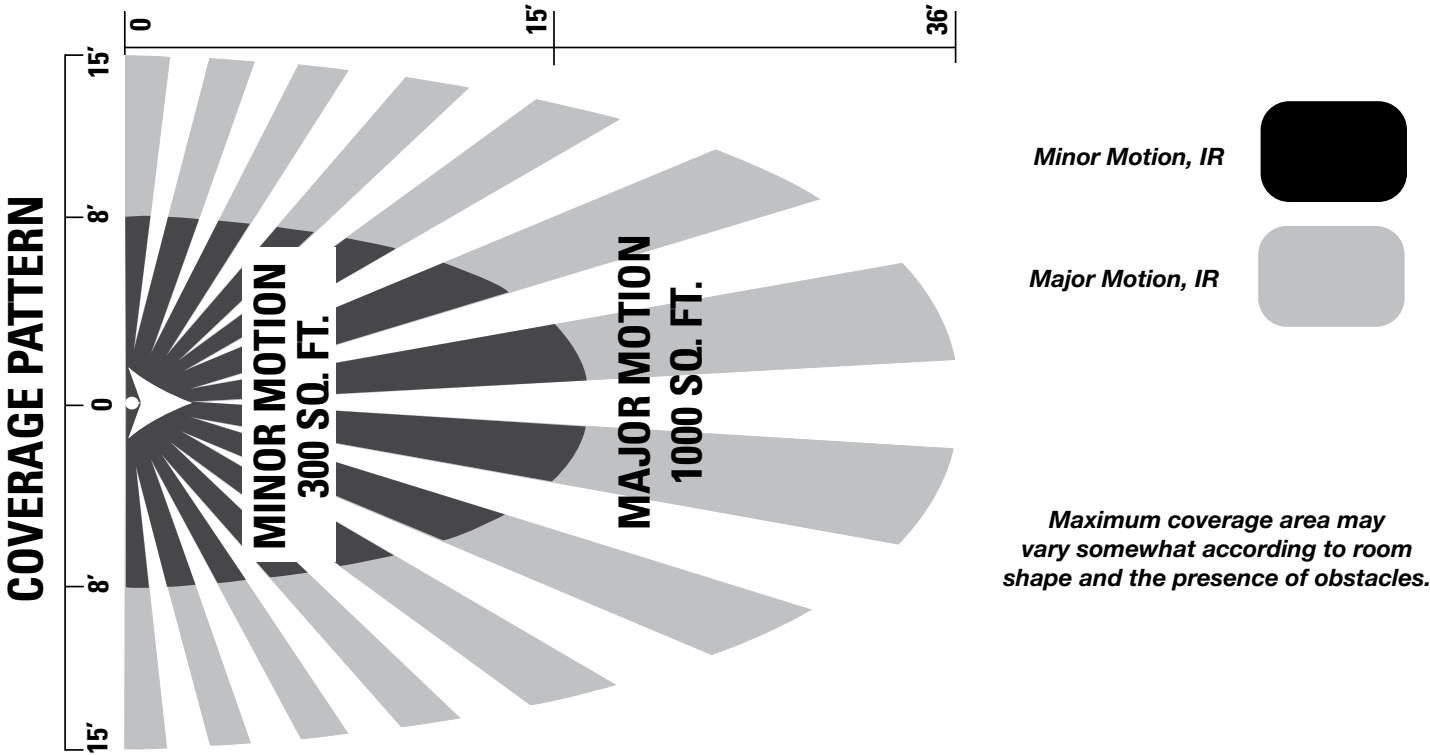
Controls



Light Levels & Time Delay Adjustments



Field of View



 **Control Systems**
• Greengate



Cooper Lighting Solutions has developed recommended guidelines for cleaning our products that will not impact the operation or finish of the product.

Recommended cleaning tips:

- **Never spray any fluids directly into the device.**
- **Use of ammonia-based or VOC cleaners on this device must be avoided.** Prolonged use may cause loss of integrity and expose electrified components. If this occurs, turn OFF power to the unit and replace.
- **Use a damp rag or single-use wipe** to avoid excess liquid penetrating the device.
- Be sure to wipe up remaining excess liquid after cleaning.
- Ensure the cleaning agent used does not have harsh chemicals such as bleach, ammonia, highly alkaline or concentrated acids (such as hydrochloric acid that can be found in household cleaners such as toilet bowl cleaners, bathroom tile and porcelain cleaners) as they could damage the device, causing them to become brittle and discolored.
- Cooper Lighting Solutions recommends the use of a mild liquid detergent and water to clean the devices. Single use wipes (e.g. Lysol brand or equivalent) are acceptable to use for cleaning the devices, however the single-use wipes **cannot contain bleach, ammonia, highly alkaline or concentrated acids.**

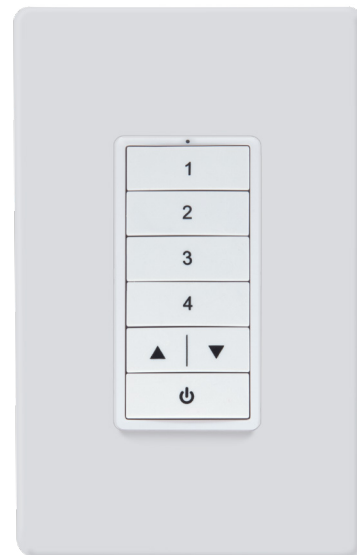


image for
reference only



WARNING

This product is not intended for use in applications involving the use of ammonia-based or VOC cleaners.

Prolonged use may cause loss of integrity and expose electrified components.

If this occurs, turn OFF power to the unit and replace.

Recommended cleaning instructions:

- **Never spray any fluids directly into the device.**
- Apply the mild liquid detergent to a damp cloth or paper towel. Single use wipes (e.g. Lysol brand or equivalent) are acceptable to use for cleaning the devices, however single-use wipes cannot contain bleach, ammonia, highly alkaline or concentrated acids.
- If excess liquid is present, remove by wringing out the cloth or paper towel to avoid liquid penetration into the device.
- Clean the Cooper Lighting Solutions device by wiping over the surface with the damp cloth.
- Remove an excess liquid remaining on the device with a dry cloth or paper towel.