

Project		Catalog #		Type	
Prepared by		Notes		Date	



## Greengate

### VNW-P-NeoSwitch

Passive Infrared/Single Level Wall Switch  
Vancancy Sensor (Ground Required)

#### Typical Applications

Private Offices • Small Conference Rooms • Lunch/Break Rooms •  
Small Classrooms • Small Restrooms (no stalls) • Small Lounges •  
Small Waiting Rooms • Small Closets • Small Storage Areas

#### Interactive Menu

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#### Product Certification



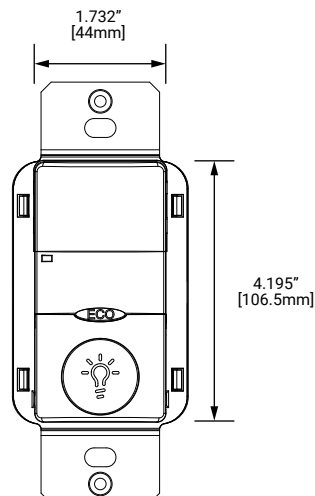
#### Product Features



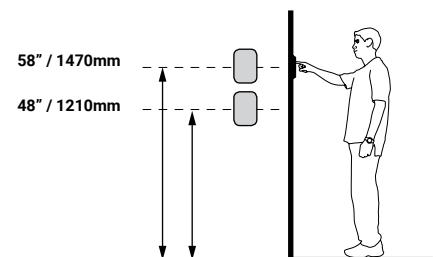
#### Top Product Features

- Air-gap switch ensures no leakage current to load
- Selectable built-in light level sensor
- Products tested to NEMA WD 7 - 2011 Occupancy Motion Sensors Standard
- Requires Manual On for activation
- LED Rated

#### Dimensional Details



#### Scale or Mounting Height



[additional product diagrams](#)

## Order Information

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

One single gang wallplate included.

### Catalog Number

Catalog Number	Ratings	Coverage	Voltage	Color
<b>VNW-P-1001-MV- * (*-W, V, G,R)</b>	Incandescent: 0-800W @ 120V Fluorescent: 0-1200W @ 120V Fluorescent: 0-2700W @ 277V Max Load/Relay	180°; 1000 sq. ft.	120/277 VAC, 50/60 Hz	W=White, V=Ivory, G=Gray, R=Red
				<b>Notes</b> 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 Dimensions:** 4.195" H x 1.732" W (106.55mm x 44mm)

**Product Housing Dimensions:** 2.618" H x 1.752" W x 1.9" D  
(66.5mm x 44.5mm x 48.26mm)

### 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:

120 VAC

- Incandescent / Tungsten max load: 6.7 amps, 800W, 50/60 Hz
- Fluorescent / Ballast max load: 10 amps, 1200W, 50/60 Hz
- Electronic Ballast (LED): 3A
- Motor Load: 1/4 HP @ 125 VAC

277VAC

- Fluorescent / Ballast max load: 9.8 amps, 2700W, 50/60 Hz
- Electronic Ballast (LED): 3A

#### Ballast compatibility:

- LED loads
- Magnetic and Electronic ballasts

### Hardware Specifications

#### LED Indicators:

- Red LED = PIR detection
- Green LED = acts as EcoMeter or night light locator

### Controls and Performance

#### Time delays:

- Self adjusting 15 seconds/test (10 min. Auto)
- Selectable 5, 15, 30 minutes

#### Coverage:

- Major motion: 36' x 30'
- Minor motion: 20' x 16'

#### Light sensing level:

- 0 to 200 foot candles

### Standards/Ratings

- cULus Listed
- FCC Compliant
- RoHS Compliant

### Warranty

Five year warranty standard

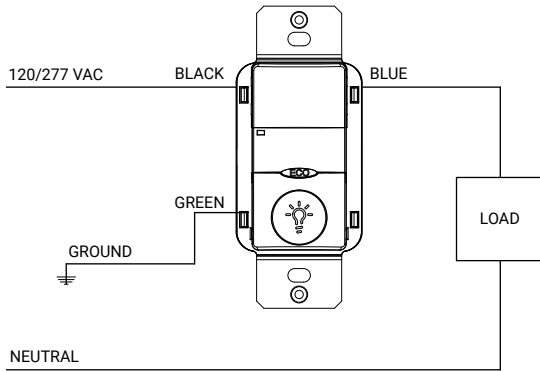
## Overview

The Passive Infrared Single Level Vacancy Sensing Wall Switch is a motion sensing lighting control and conventional wall switch all-in-one hat is used to for energy savings and convenience.

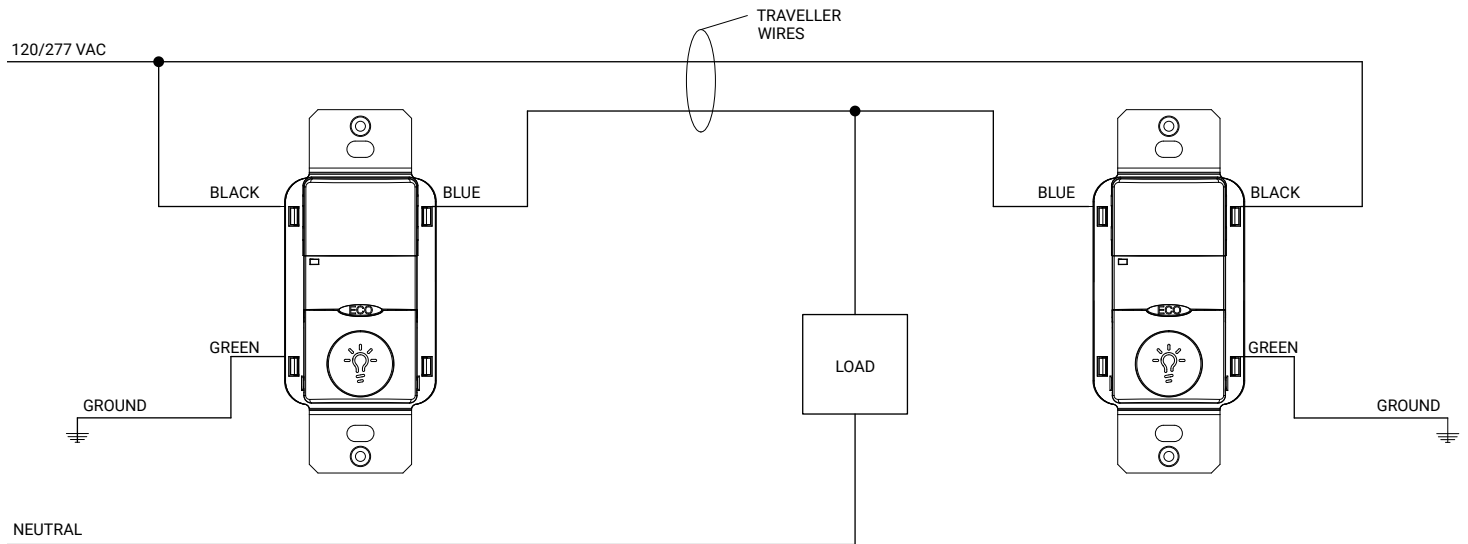
VNW-P-1001-MV uses Passive Infrared (PIR) sensor technology to monitor a room for occupancy and deliver maximum energy savings. The lights are turned ON by pressing the universally recognized light icon pushbutton. The sensor includes self-adaptive technology that continuously self-adjusts sensitivity and time delay in realtime, maximizing the potential energy savings that are available in the particular application. The EcoMeter provides a visual indicato of energy usage, increasing end user awareness and reminding individuals to take control of their lighting to maximize energy savings. 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.

## Wiring Diagrams

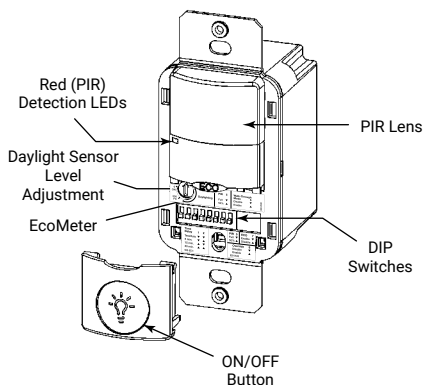
### Single Level Switching



### Single Level Three-Way Wiring Diagram: Lights will turn OFF automatically when sensor that detected motion last, times out.



## Controls

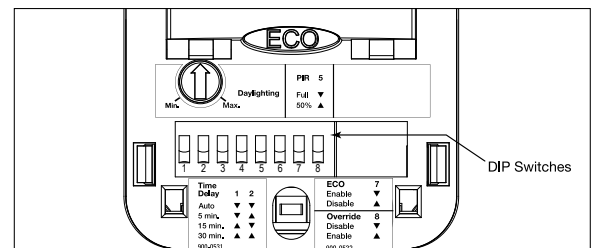


### DIP Switch Legend

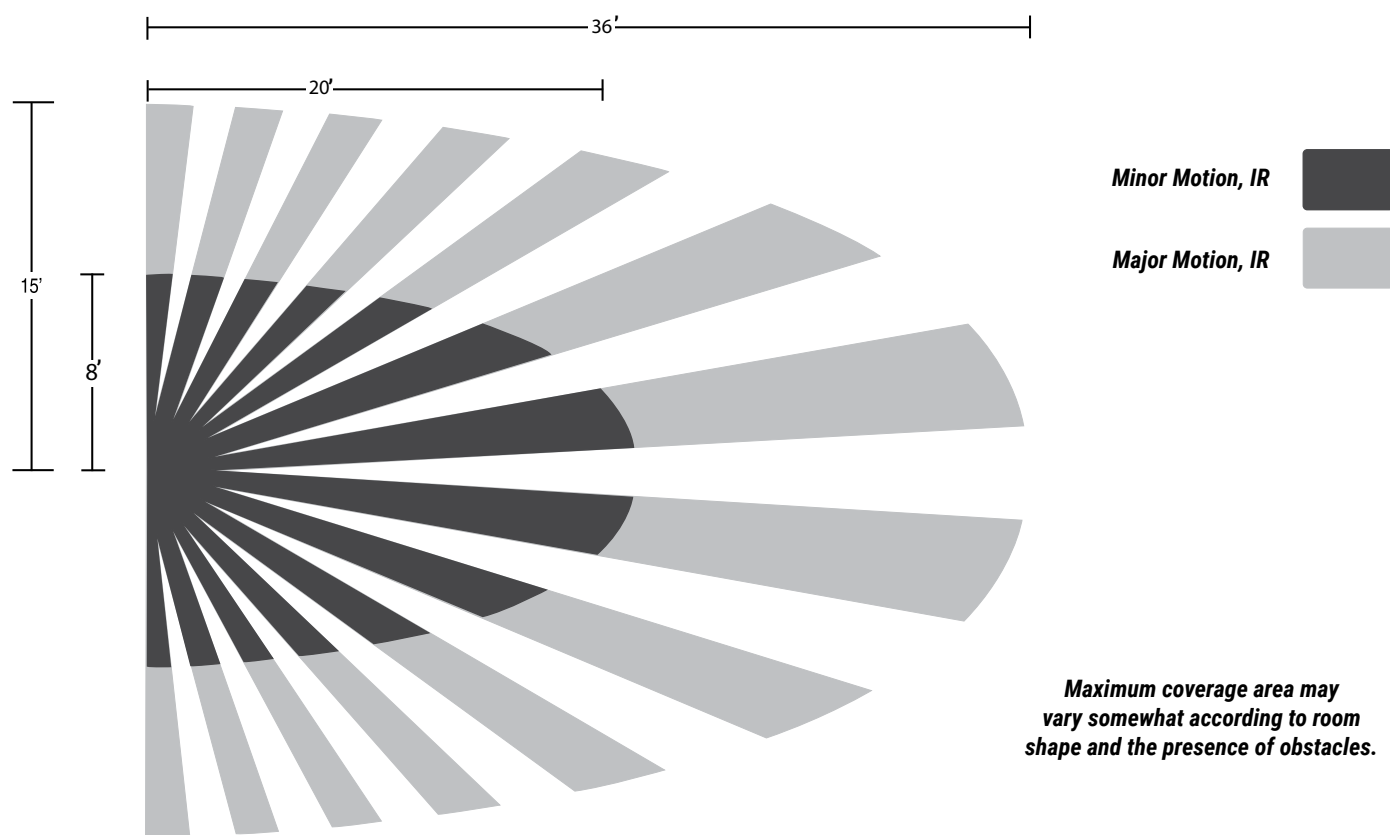
	Time Delay		Not Used	Not Used	PIR Sensitivity	Not Used	EcoMeter	Override
DIP Switch	1	2	3	4	5	6	7	8
Auto*	▼	▼			Full	▼	Enable	Disable
5 Minutes	▼	▲			50%	▲	Disable	Enable
15 Minutes	▲	▼						
30 Minutes	▲	▲						

\*Self-Adjusts to 10 min. user mode

Default = ☐



## Field of View



## Control Systems

- Greengate