Project		Catalog #		Type	
Prepared by		Notes		Date	

Greengate

VNLW-P Wall Switch with Vacancy Sensor

Wall Switch with Vacancy Sensor with a single 120/277 VAC Relay and Night Light (Neutral 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

Product Certification

Product Features

PIR Activated

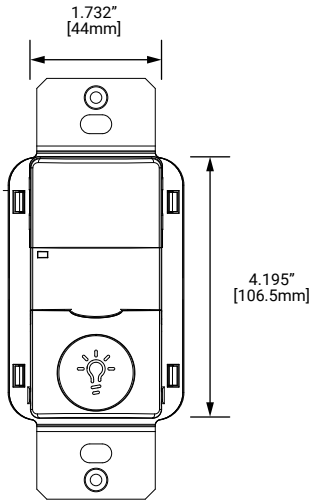
Self-Adjusting

California Title 20 Compliant

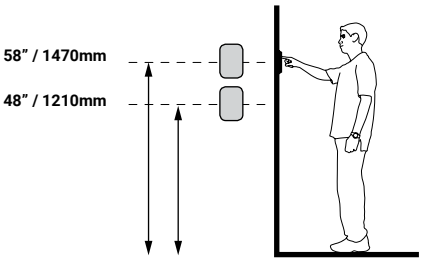
Top Product Features

- Amber LED night light illuminates when overhead lights are OFF
- Lighting control and wall switch all-in-one that is used for energy savings and convenience
- Air-gap switch ensures no leakage current to load
- NEMA WD7 Guide robotic method utilized to verify coverage patterns
- LED Rated

Dimensional Details



Scale or Mounting Height



additional product diagrams

Order Information

One single gang wallplate included.

Catalog Number

Catalog Number	Ratings	Coverage	Voltage	Color
VNLW-P-1001-MV-N- * (*-W, V, LA)	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, LV=Light Almond
				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 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

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, 50/60Hz
- Electronic Ballast (LED): 3A

Ballast compatibilty:

- LED loads
- Magnetic and Electronic ballasts

Hardware Specifications

LED Indicators:

- Red LED = PIR detection
- Amber LED = acts as night light locator

Controls and Performance

Time delays:

- Self adjusting 15 seconds/test, 1, 5, 15, 20, 30 minutes, 1 hour, 2 hours

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

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

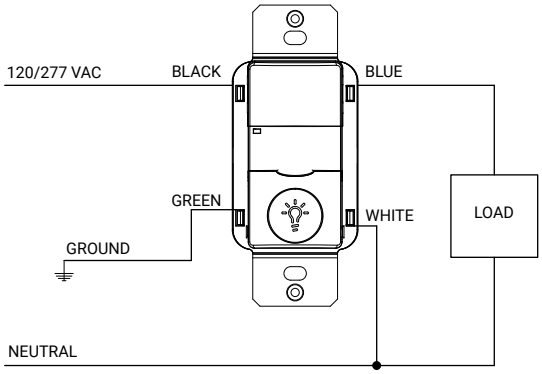
Five year warranty standard

Overview

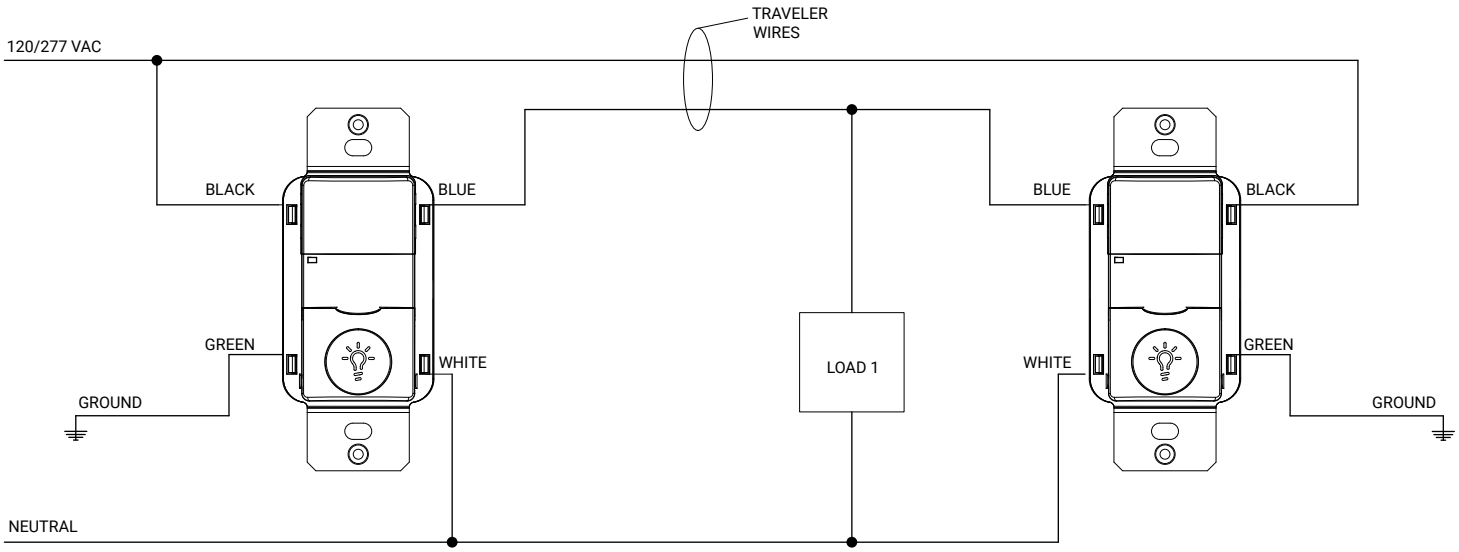
The VNLW-P-1001-MV-N uses Passive Infrared (PIR) sensor technology to monitor a room for occupancy and deliver maximum energy savings. In Automatic On Mode, the lights turn ON when a person enters the room. In Manual On Mode, the lights are turned ON by pressing the universally recognized light icon pushbutton.The unit ships in Manual ON Mode. The night light activates when the sensor turns the lights OFF. The sensor includes self-adaptive technology that continuously self-adjusts sensitivity and time delay in real-time, maximizing the potential energy savings that are available in the particular application. 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

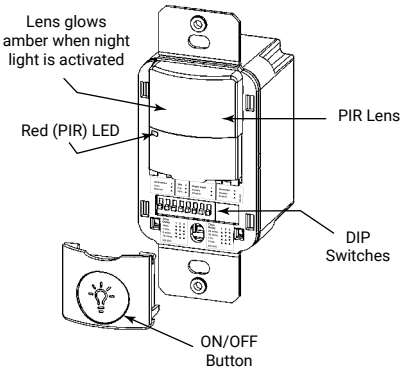
Single Level Switching



Three-way wiring diagram: Lights will turn OFF automatically when sensor that detected motion last, times out.



Controls

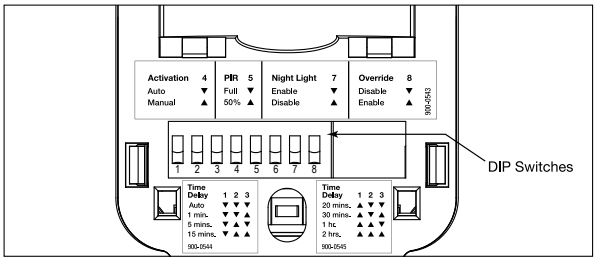


DIP Switch Legend

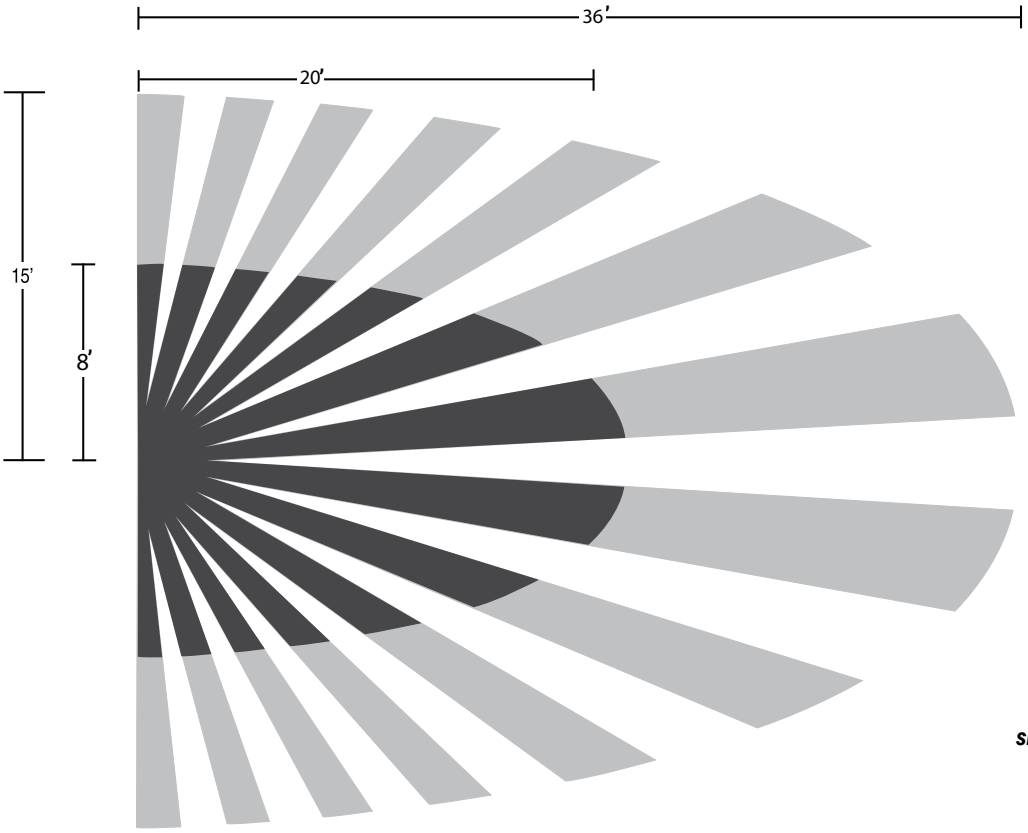
	Time Delay			Activation	PIR Sensitivity	Not Used	Night Light	Override
DIP Switch	1	2	3	4	5	6	7	8
Auto*	▼	▼	▼	Auto ▼	Full ▼	▼	Enable ▼	Disable ▼
1 Minute	▼	▼	▲	Manual ▲	50% ▲	▲	Disable ▲	Enable ▲
5 Minutes	▼	▲	▼					
15 Minutes	▼	▲	▲					
20 Minutes	▲	▼	▼					
30 Minutes	▲	▼	▲					
1 Hour	▲	▲	▼					
2 Hours	▲	▲	▲					

*Self-Adjusts to 10 min. user mode

Default =



Field of View



Minor Motion, IR

Major Motion, IR

Maximum coverage area may vary somewhat according to room shape and the presence of obstacles.

Control Systems

- Greengate

Cooper Lighting Solutions
1121 Highway 74 South
Peachtree City, GA 30269
P: 770-486-4800
www.cooperlighting.com

Cooper Lighting Solutions

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

image for reference only

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 inhousehold 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.**

⚠ 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.

COOPER Lighting Solutions

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