Manuals+ — User Manuals Simplified.

COOPER Lighting Solutions OSW-P-0801-120-W Single Level 120V Wall Switch Sensor

COOPER Lighting Solutions OSW-P-0801-120-W Single Level 120V Wall Switch Sensor Owner's Manual

Contents

COOPER
Lighting Solutions

COOPER Lighting Solutions OSW-P-0801-120-W Single Level 120V Wall Switch Sensor

Product Information

Specifications

- Model: OSW-P 0-10V PIR / Single Level 120V Wall Switch Sensor
- Voltage: 120 VAC 60 Hz
- Load Ratings: 0-600W incandescent, CFL, MLV, ELV lighting load or 1/6 HP motor load
- Color Options: White (W), Ivory (V), Light Almond (LV), Gray (G), Black (B)
- Warranty: Five years

Product Features

- Passive Infrared Single or 3-way Occupancy Sensing Wall Switch
- Motion sensing lighting control and conventional wall switch combined
- Energy-saving and convenient
- PIR Activated
- California Title 20 Compliant

Dimensional Details

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

Product Usage Instructions

Installation

1. Ensure power is OFF before installation.
2. Follow the provided wiring diagrams for single-pole or 3-way installations.
3. Mount the wall switch sensor securely on the wall.
4. Connect the appropriate wires as per the wiring diagram.
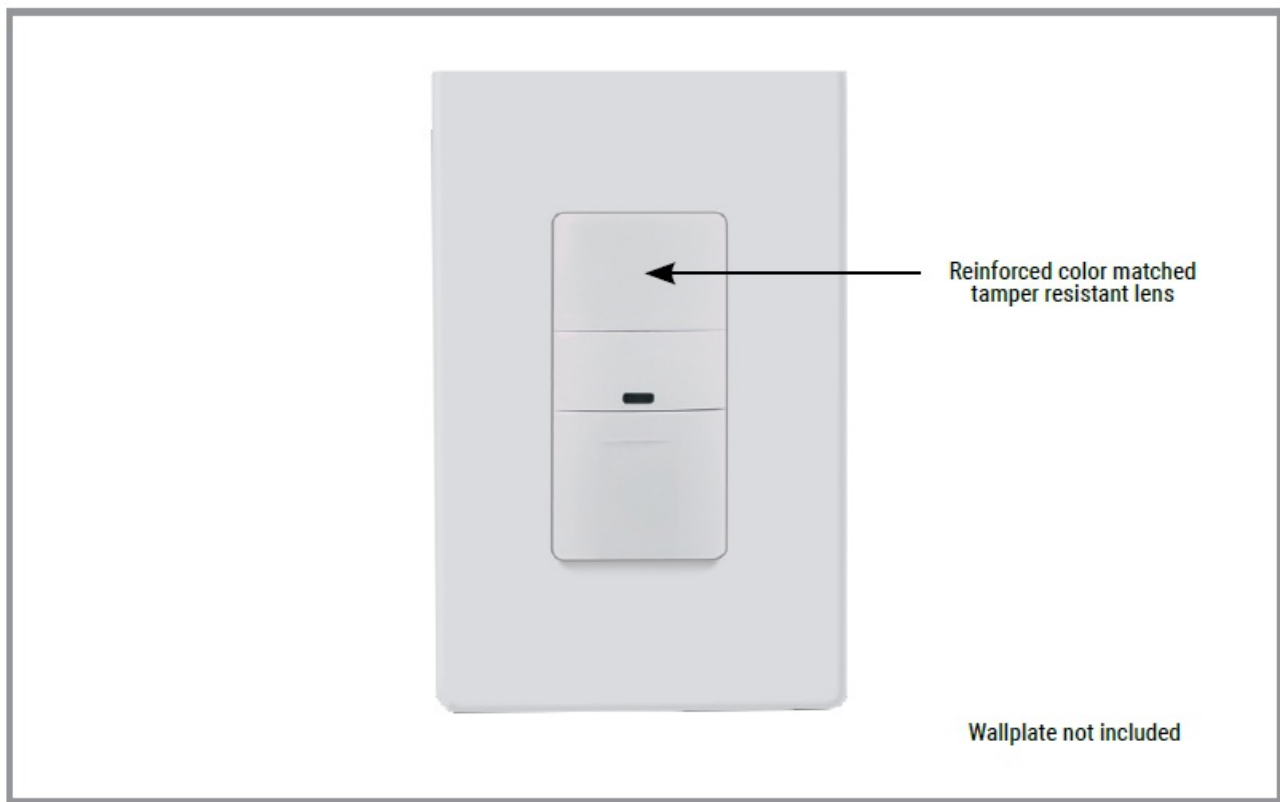5. Install a wallplate if not included.

Operation

1. The wall switch sensor combines motion sensing with conventional switch operation.
2. Adjust light level and time delay settings as needed.
3. The PIR sensor activates the switch based on occupancy detection.

Frequently Asked Questions (FAQ)

- **Q: What is the warranty period for the product?**
  A: The product comes with a standard five-year warranty.
- **Q: Can I use this product with a ceiling fan?**
  A: The product is rated for use with lighting loads or small motor loads up to 1/6 HP, so it may not be suitable for a ceiling fan.

Project		Catalog #		Type	
Prepared by		Notes		Date	

Reinforced color matched tamper resistant lens

Wallplate not included

Greengate

- OSW-P 0-10V PIR / Single Level 120V Wall Switch Sensor (Ground Required)
- Passive Infrared Single 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.
- **Typical Applications**
  Small Office
    - Residential office, restrooms, rooms & hallways
    - Vending rooms

Product Certification

Product Features

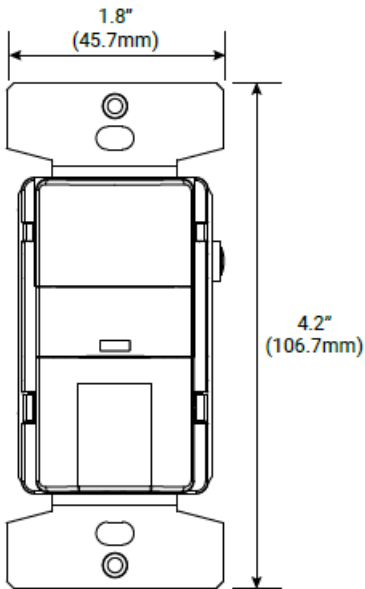PIR Activated

California Title 20 Compliant
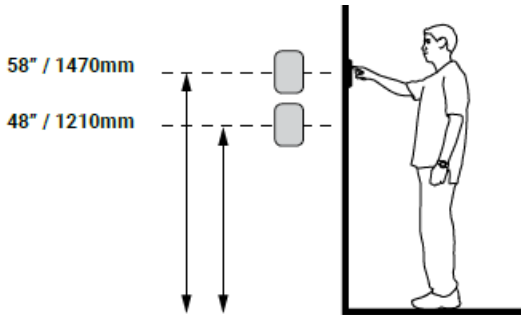
Top Product Features

- Replaces single or 3-way switches

- No neutral wire
- Adjustable time delay
- Integral daylight sensor
- Choice of Manual On or Auto On
- Works with incandescent, LED, fluorescent, CFL, MLV, ELV or 1/2 hp motor load

Dimensional Details

1.8"
(45.7mm)

4.2"
(106.7mm)

Mounting Height

58" / 1470mm

48" / 1210mm

Order Information

Wallplate not included

Catalog Number

Catalog Number	Ratings	Coverage	Voltage	Color
OSW-P-0801-120- * (* -W, V, LA, G, B)	0-600W incandescent, CFL, MLV, ELV lighting load or 1/6 HP motor load	180°; 450 sq. ft.	120 VAC 60 Hz	W=White, V=Ivory, LV=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

- **Key Features**
  - Replaces single or 3-way switches
  - No neutral wire
  - Adjustable time delay
  - Integral Daylight Sensor
  - Choice of Manual On or Auto On
  - Works with incandescent, LED, fluorescent, CFL, MLV, ELV or 1/2 hp motor load
- **Technology**

  Passive Infrared (PIR)
- **Mechanical**
  - Mounting Plate 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 (72.8mm 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. 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: 5A, 600W, 60 Hz
  - LED/Compact Fluorescent/Electronic Low Voltage/Electronic Ballast Max. load: 5A, 600W, 60 Hz
- **Motor Load:**
  - 1/6 HP @ 125 VAC
- **Ballast Compatibility:**
  - Compatible with magnetic and electronic ballasts

Hardware Specifications
Status Indicators: Red LED for Ultrasonic detection

Controls and Performance

- **Time delays:**
  - 15 seconds to 30 minutes
- **Coverage:**
  - Major motion – 450 sq. ft.
  - Minor motion – 200 sq. ft.
- **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.
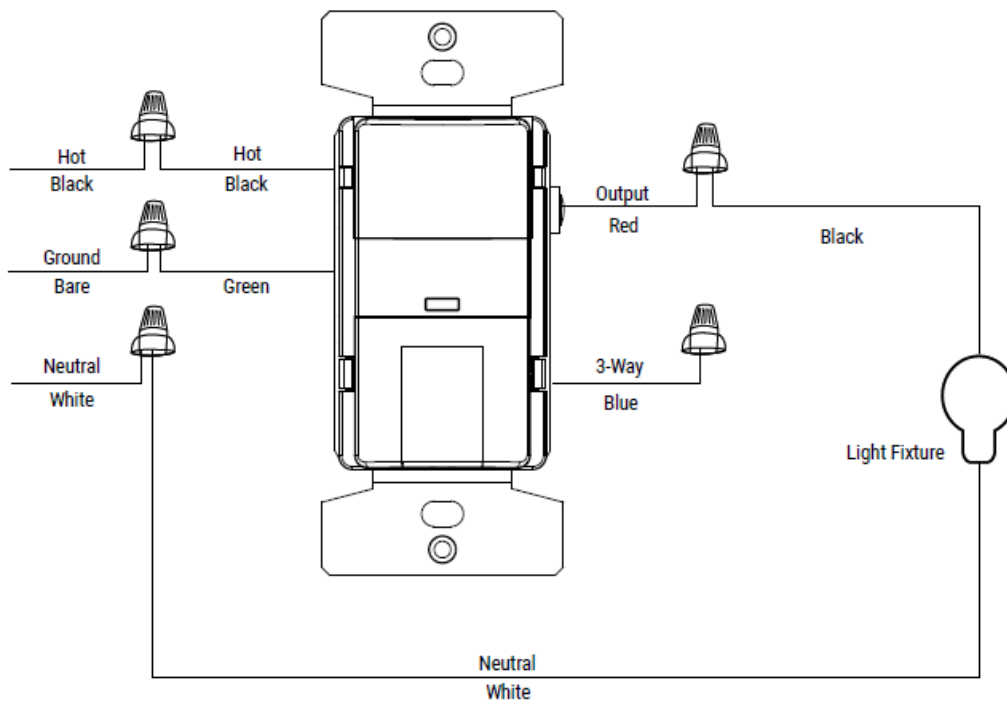
Warranty
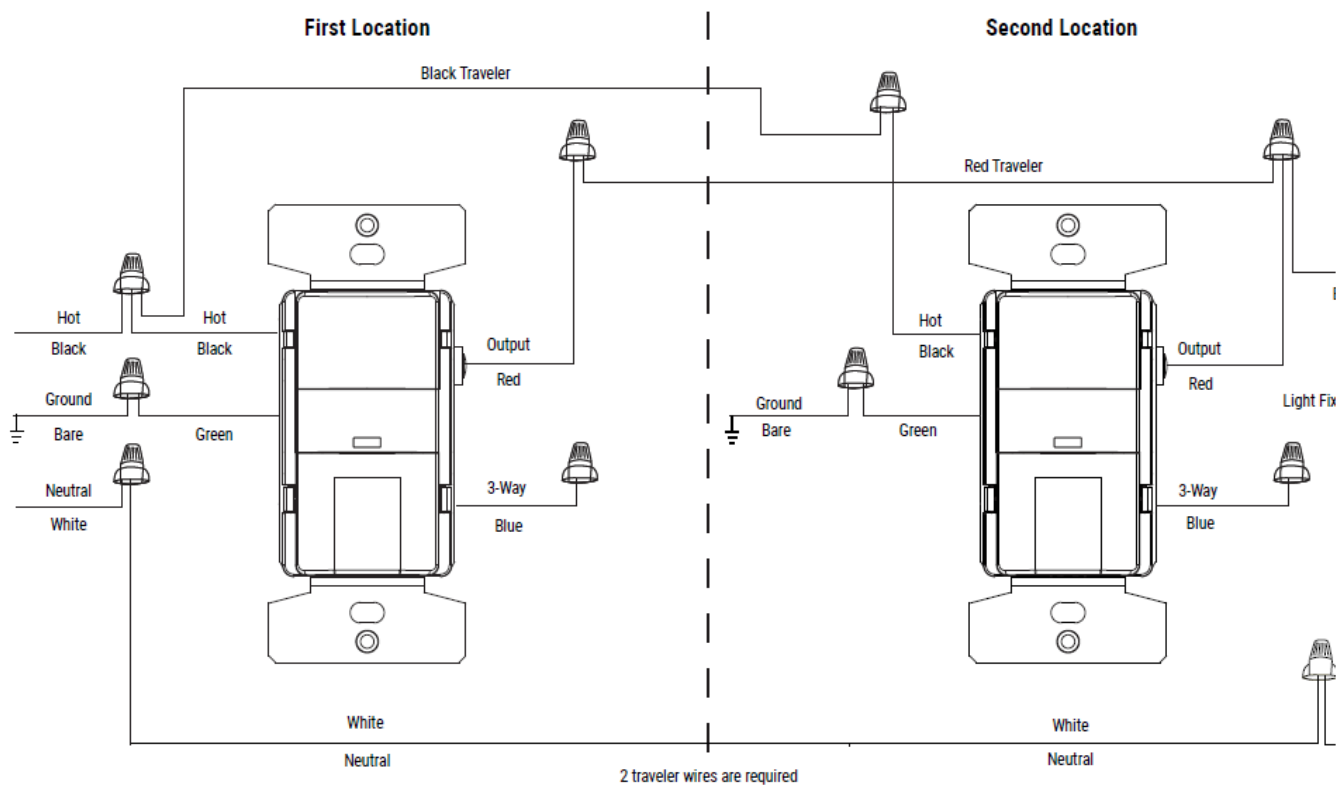Five year warranty standard

Overview

The OSW-P-0801-120 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 on 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.
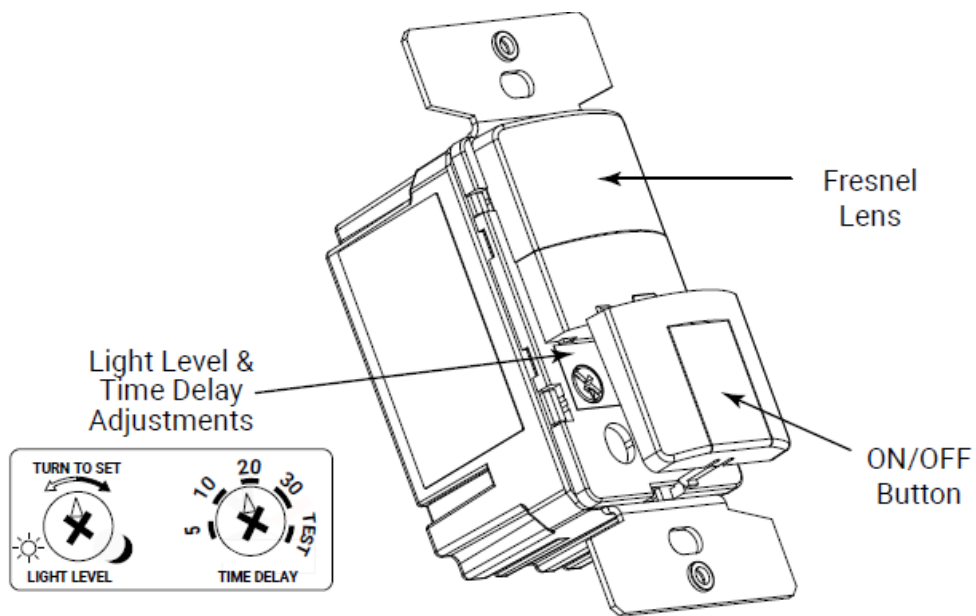
Wiring Diagrams

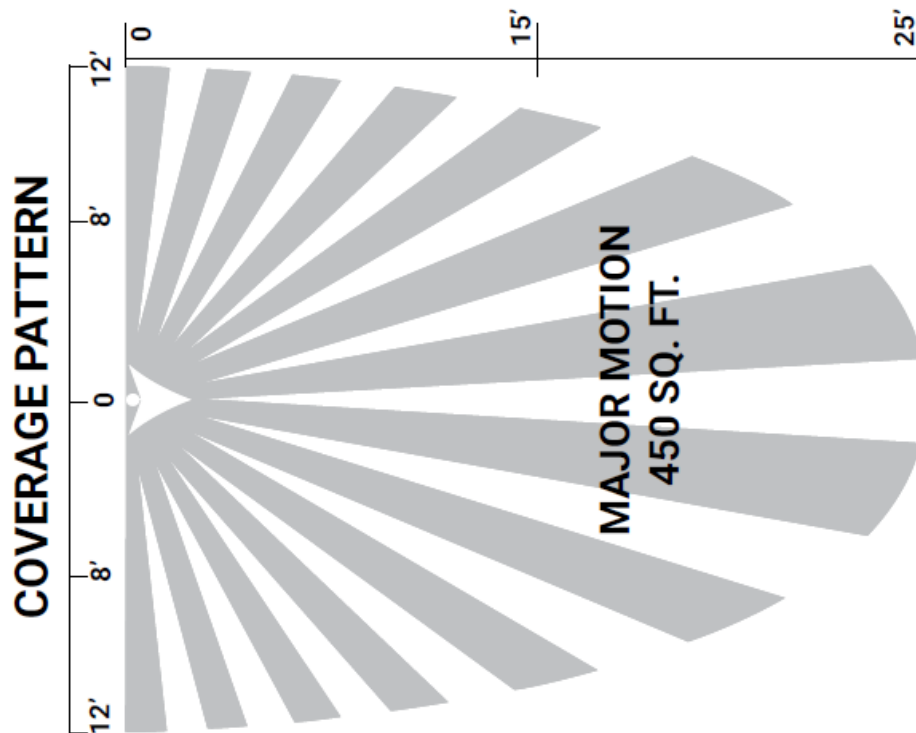**Single-Pole Wiring Diagram FLR, LED**

Hot Black — Hot Black
Ground Bare — Green
Neutral White
Output Red — Black — Light Fixture
3-Way Blue
Neutral White

3-Way Wiring Diagram FLR, LED

First Location

Black Traveler

Hot Black — Hot Black
Ground Bare — Green
Neutral White
Output Red
3-Way Blue
White Neutral

Second Location

Red Traveler

Hot Black
Ground Bare — Green
Output Red — Light Fix
3-Way Blue
White Neutral

2 traveler wires are required

Controls

TURN TO SET
LIGHT LEVEL
TIME DELAY
5 10 20 30 TEST

Fresnel Lens

Light Level & Time Delay Adjustments

ON/OFF Button

Field of View

COVERAGE PATTERN

MAJOR MOTION
450 SQ. FT.

0 15' 25'

12' 8' 0 8' 12'

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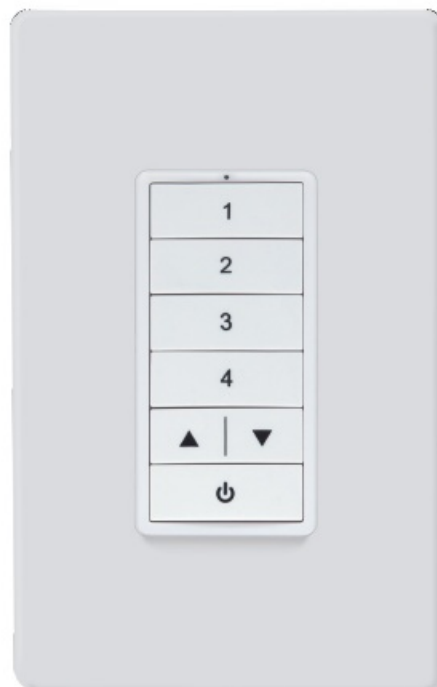
Controls

Care & Maintenance

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 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.

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
1121 Highway 74 South Peachtree City, GA 30269
P: **770-486-4800**
www.cooperlighting.com
For service or technical assistance: 1-**800-553-3879**

Canada Sales
5925 McLaughlin Road Mississauga, Ontario L5R 1B8
P: **905-501-3000**
F: **905-501-3172**

Documents / Resources

	COOPER Lighting Solutions OSW-P-0801-120-W Single Level 120V Wall Switch Sensor [pdf] Owner's Manual OSW-P-0801-120-W, OSW-P-0801-120-W Single Level 120V Wall Switch Sensor, Single Level 120V Wall Switch Sensor, Level 120V Wall Switch Sensor, 120V Wall Switch Sensor, Wall Switch Sensor, Switch Sensor, Sensor

References

- **User Manual**