

Motion activated dimmer sensor

Project Name:	Prepared By:
Project Number:	Date:
Catalog Number:	Type:

Description

Single pole
Incandescent, Halogen, Magnetic Low-Voltage

Design features

- Soft ON/fade OFF
- Preset and light level change is easily shown with horizontal row of green LEDs
- Works with popular load types: Halogen, Incandescent and Magnetic Low-Voltage
- Single green LED indicates load status, provides locator light in dark and blinks to indicate motion detection
- Push pad design provides minimal travel and crisp actuation.
- Provides 180 degree field of view and 1000 sq. ft. of major motion coverage
- Selectable time delay of 5 seconds (test), 5 minutes, 15 minutes and 30 minutes for lights to remain on after room is vacated
- Reverse Mode allows light to stay off in a room when motion is detected
- Occupancy Sensors time delay default set to 5 minutes; Vacancy Sensors time delay default set to 30 minutes
- Occupancy Sensor provides a selectable ambient light override preventing lights from switching ON when there is acceptable natural light
- Occupancy Sensor Version allows to toggle between Auto-ON/Auto-OFF or Manual ON/Auto-OFF mode with a simple press and hold of switch
- Occupancy Sensor provides for a bypass feature to allow the sensor to perform as a traditional switch (Manual ON/Manual OFF)
- Electrostatic discharge protection
- No leakage to load in off mode
- Uniform color matched PIR lens to device housing
- Color change faceplate kits provide for a simple in field change
- Neutral required for installation of device
- California Title 20 compliant (VS106D1)



OS106D1



VS106D1

Table 1. Occupancy & Vacancy Sensor Dimmers 

Catalog No.	Description	Compatible Lamp Types	Rating		Color Suffix
			Watt	V/AC	
<input type="checkbox"/> OS106D1-__	Sensor & Dimmer with LEDs, Single Pole	INC/HAL, ELV, MLV	600	120	A, BK, GY, LA, V, W
<input type="checkbox"/> VS106D1__	Sensor & Dimmer with LEDs, Single Pole	INC/HAL, ELV, MLV	600	120	A, BK, GY, LA, V, W
<input type="checkbox"/> SCKD-__BP	Color Change Kit	----	----	----	A, BK, GY, LA, V, W



Powering Business Worldwide

Compliances, specifications and availability are subject to change without notice.

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Applications

Eaton's Dimmer Occupancy/Vacancy Sensors use advanced PIR technology to sense the movement of heat-emitting bodies. Occupancy Sensors provide Auto-ON/Auto-OFF or Manual-ON/Auto-OFF operation while Vacancy Sensors provide Manual-ON/Auto-OFF operation only (Title 20 2008 Compliant). The sensors automatically turn lights off after a space becomes vacant and a preset time delay elapses. Built-in dimmer provides preset full-range dimming of light load. A horizontal dim/bright bar with row of green LEDs provide intuitive control. Both versions provide Single Pole (single-location) wiring and work with Incandescent and Magnetic Low-voltage lighting load types. All sensors are compatible with any decorator-style or decorator screwless wallplate.

Table 2. Specifications

Catalog no.	OS106D1, VS106D1 Series
Device type	Occupancy & Vacancy Sensor Dual Switches
Wiring type	6" pre-stripped wire leads, #14 AWG
Testing & code compliance	<ul style="list-style-type: none"> • cULus Listed to UL244A, file no. E325082 • NOM Certified • California Title 20 compliant
Environmental specifications	Flammability: Meets UL 94 requirements; V2 rated Temperature Rating: 0°C to 40°C (32°F to 104°F)
Electrical specifications	Rating: 120V/AC 60 Hz, 1/2 HP Light Intensity Control: Full-range, continuously variable dimming Dimming Performance: Smooth and continuous, Solid State Dimming Surge Protection: Meets ANSI/IEEE Std. C62.41-1980, tested to withstand voltage surges up to 6000V and current surges of up to 200A without damage Radio Frequency Interference: Designed to reduce interference with radio, audio and video equipment Power-failure Memory: Light or fan returns to same level prior to power interruption Lamp Ratings: Incandescent, Magnetic Low-Voltage, Halogen
Mechanical specifications	Wiring Types: Single Pole LED Indicators: Load status indicator, light level & locator Air-Gap Switch: Meets UL20 & UL1472 for inclusion of visible, accessible air-gap off switch Voltage Ratings: Permanently marked on device

Table 3. Materials

Catalog No.	OS106D1, VS106D1 Series
Top housing	Polycarbonate
Bottom housing	Polycarbonate
Strap	Aluminum
Form factor	Decorator
Finish	Gloss

Table 4. De-Rating Chart - 600W Models

Lamp Type	1-Gang	2-Gang	3-Gang
INC	600W	600W	600W
MLV	600VA	600VA	600VA

Table 5. Color Ordering Information

For ordering devices, include catalog no. followed by the color suffix: A (Almond), BK (Black), GY (Grey), LA (Light Almond), V (Ivory), W (White).

A	BK	GY	LA	V	W
(Almond)	(Black)	(Grey)	(Light Almond)	(Ivory)	(White)

Project Name:	Prepared By:
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Product Dimensions

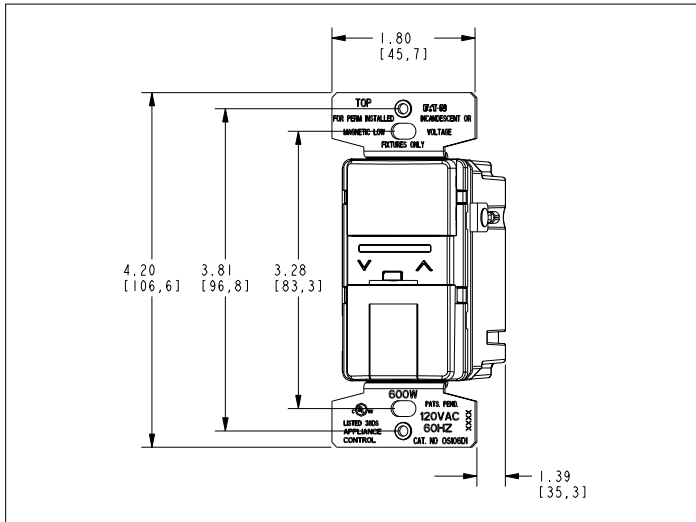
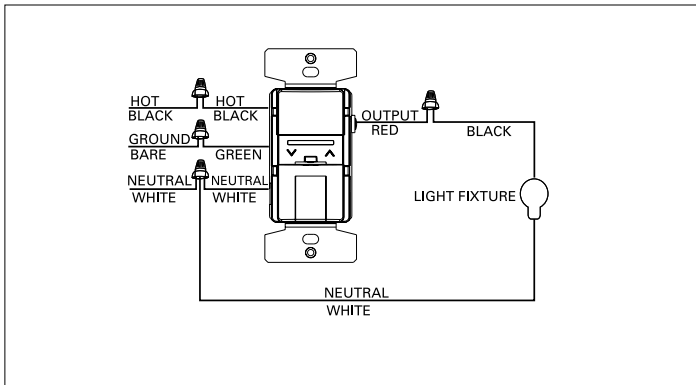


Figure 1. OS10D1 Line Art with Dimensions

Wiring Diagrams

Single Pole Wiring Diagram



Certifications & Compliances

Catalog No.		
OS106D1	•	•
VS106D1	•	•

KEY: cULus NOM

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