

Motion sensor switch with dual relay

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

Description

Single pole & 3-Way
 1000W/VA, 1/6 HP
 Incandescent, Magnetic Low-Voltage, Electronic Low-Voltage, Fluorescent, Compact Fluorescent, LED, Halogen



OS310R



VS310R

Design features

- Can be wired as a Single Pole or 3-Way device
- Selectable ON/OFF LED nightlight with press and hold dimming function
- Works with all popular load types: Incandescent, Magnetic Low-Voltage, Electronic Low-Voltage, Fluorescent, CFL and LED
- Contains two switches to control two independent lighting loads or circuits (light and/or fan)
- 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
- Replaces a standard light or fan switch
- Provides 180 degree field of view and 1000 sq. ft. of major motion coverage
- Provides 3-Way operation when used with a 3-Way switch or sensor
- 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



Table 1. Occupancy & Vacancy Sensor Dual Switches



Catalog No.	Description	Compatible Lamp Types	Rating Watt	V/AC	Color Suffix
<input type="checkbox"/> OS310R-__	Dual Switch with Nightlight & LED, Single Pole & 3-Way	INC/HAL, ELV, MLV, FLR, CFL, LED	100	120	A, BK, GY, LA, V, W
<input type="checkbox"/> VS310R-__	Dual Switch with Nightlight & LED, Single Pole & 3-Way	INC/HAL, ELV, MLV, FLR, CFL, LED	1000	120	A, BK, GY, LA, V, W
<input type="checkbox"/> SCKR-__BP	Color Change Kit	----	----	----	A, BK, GY, LA, V, W

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Applications

Eaton's Occupancy/Vacancy Sensor Dual Switches 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. The sensors automatically turn lights off after a space becomes vacant and a preset time delay elapses. The dual switch feature allows for control of two different loads from a single location. Both versions provide Single Pole (single-location) and 3-Way (multi-location) wiring and work with all lighting load types (INC, MLV, ELV, FLR, CFL, LED). A selectable and dimmable LED nightlight is provided. All sensors are compatible with any decorator-style or decorator screwless wallplate.

Table 2. Specifications

Catalog no.	OS310R, VS310R 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
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 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, Halogen, Magnetic Low-Voltage, Electronic Low-Voltage, Fluorescent, Compact Fluorescent, LED
Mechanical specifications	Wiring Types: Single Pole & 3-Way LED Indicators: Load status indicator, light level & locator Voltage Ratings: Permanently marked on device

Table 3. Materials

Catalog No.	OS310R, VS310R Series
Top housing	Polycarbonate
Bottom housing	Polycarbonate
Strap	Aluminum
Form factor	Decorator
Finish	Gloss

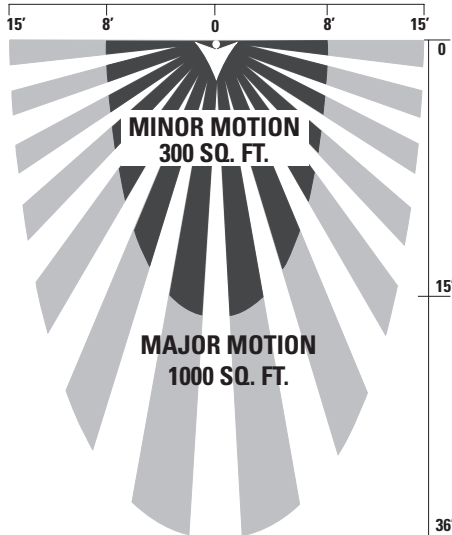
Table 4. Color Ordering Information

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:
Project Number:	Date:
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Coverage Pattern



Wiring Diagrams

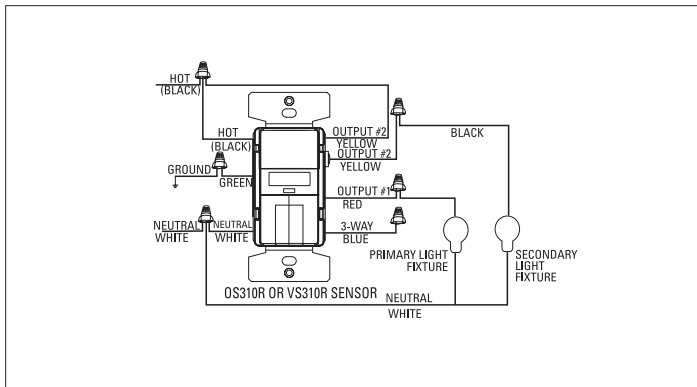


Figure 1. Single pole wiring diagram

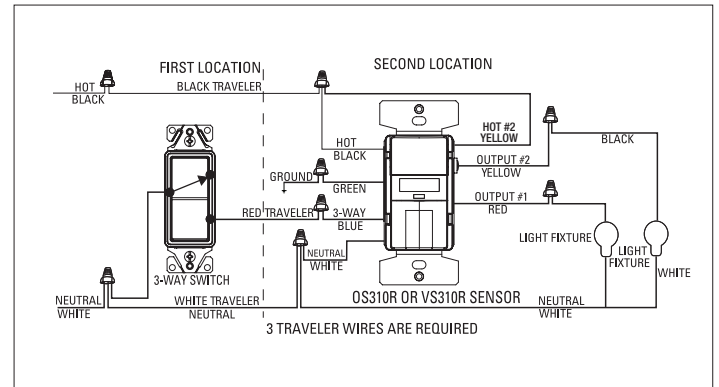


Figure 2. 3-Way wiring diagram

Certifications & Compliances

Catalog No.	cULus	NOM 426
OS310R	•	•
VS310R	•	•

KEY: cULus cULus NOM 426 NOM

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

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