



UPC Code : 078477509159

Country Of Origin : United States

Available Colors :



Black



Grey



Light Almond



White

OSSMD-MAI

Occupancy Sensor, Multi-Technology (PIR Sensor / Ultrasonic Sensor), Wall Switch, Dual Relay, 2400SF, 120-277V, Ivory, Made in USA, Decora®

Dual Relay, Wall Box, Multi-Tech Occupancy Sensor, with a neutral wire. 120/208/220/230/240/277v; 50/60Hz, CEC Title 20/24 compliant. Made in USA. Color: Ivory

The OSSMD provides automatic lighting control for two separate loads from a single unit. It is compatible with incandescent, fluorescent, low-voltage lighting, and fan loads. The unit features dual manual-override switches that can be used to toggle the ON/OFF status of each lighting load while an area is occupied. The OSSMD can be installed in place of two single-pole wall switches and fits in a standard single-gang wall box.

Technical Information

Product Features

Application : Private and Executive Offices, Conference Rooms, Classrooms, Restrooms, Storage Areas, Training Areas, Multimedia Rooms, Day Care Centers, Lounges, Retrofits, Bi-Level or A/B switching, Multi-location Switching

Color : Ivory

Coverage (Sq.Ft.) : 2400

Grade : Commercial

Load Rating : Primary Relay: LED:10A @ 120V 10A @ 277V Fluorescent: 1200VA @ 120V 2700VA @ 277V Incandescent: 800W @ 120V - Secondary Relay: LED:10A @ 120V 10A @ 277V Fluorescent: 800VA @ 120V 1200VA @ 277V Incandescent: 800W @ 120V Motor: 1/4 HP

Made in USA : Yes

Mounting : Wall Switch

Mounting Type : Wall Switch

Neutral Wire Connection : Required

Pattern : 180°

Product Line : OSSMD

Relative Humidity : 20% to 90% non-condensing

Sensor Technology : Multi-Technology: Passive Infrared (PIR)/Ultrasonic (US)

Sensor Type : Occupancy

Size : Height 4.06" (103.2mm), Width 1.75" (44.4mm), Depth 1.83" (47mm), Install Depth 1.35" (34.4mm), Install Height 2.06" (66.2mm)

Storage Temperature Range : 14° to 185°F (-10° to 85°C)

Switch Type : Single-Pole, Dual Relay

Technology : Multi-Technology PIR/Ultrasonic

Time Delay : 30s-30m

Voltage : 120/230/277 VAC

Warranty : 5-Year Limited

Performance Specifications

Coverage (Sq.Ft.) : 2400

Neutral Wire Connection : Required

Pattern : 180°

Relay Type : Dual Relay

Switch Type : Single-Pole, Dual Relay

Electrical Specifications

Frequency : 50/60Hz

Load Rating : Primary Relay: LED:10A @ 120V 10A @ 277V Fluorescent: 1200VA @ 120V 2700VA @ 277V Incandescent: 800W @ 120V - Secondary Relay: LED:10A @ 120V 10A @ 277V Fluorescent: 800VA @ 120V 1200VA @ 277V Incandescent: 800W @ 120V Motor: 1/4 HP

Neutral Wire Connection : Required

Power Consumption : 120V 210mW, 277V 410mW

Voltage : 120/230/277 VAC

Wiring : Primary Relay: No. 16 AWG leads: Line: Black, Load: Blue Ground: Green, White: Neutral (where provided) - Secondary Relay: No. 16 AWG isolated contact leads: (2) Red

Standards and Certifications

Listings : ETL/cETL listed, CSA, FCC and NOM. Can be used to comply with IECC, ASHRAE 90.1, and Title 24, Part 6 occupancy/vacancy sensing requirements

NAFTA Compliant : Yes

Title 24 Compliant : Yes

Mechanical Specifications

Mounting Type : Wall Switch

Relay Type : Dual Relay

Size : Height 4.06" (103.2mm), Width 1.75" (44.4mm), Depth 1.83" (47mm), Install Depth 1.35" (34.4mm), Install Height 2.06" (66.2mm)

Switch Type : Single-Pole, Dual Relay

Environmental Specifications

Operating Temperature : 32° to 104°F (0° to 40°C)

Relative Humidity : 20% to 90% non-condensing

Storage Temperature Range : 14° to 185°F (-10° to 85°C)

Type

Product Type : Occupancy Sensor

Warranty

Warranty : 5-Year Limited

Features and Benefits

- Provides automatic lighting control for two separate banks of fluorescent, incandescent, or low-voltage lighting from a single unit.
- The second relay is a manual-ON only with a maximum 30 minute time-out for maximum energy savings to comply with CEC Title 24.
- Fits in a standard single-gang wall box and replaces two single-pole wall-switches for fast and easy installation; neutral and ground connection required for OSSMD-MD. OSSMD-GD does not require a neutral for installation.
- Low-profile design eliminates obtrusive “scanning-device” look. Elegant Decora wallplates complement any interior for sleek aesthetics; uses Decora wallplates and coordinates with Leviton’s popular line of Decora wiring devices.
- 180° field-of-view provides approximately 2400 square feet of coverage, suitable for a variety of commercial areas.
- Convenient pushbuttons provide manual-ON/OFF light switching of each load at any time.
- Segmented Fresnel lens provides optimum sensitivity and performance. Designed with an extensive “minor motion” area where even slight body movements will be detected.
- Vandal resistant PIR lens.
- Adjustable horizontal field-of-view (PIR) may be adjusted between 180° and 60° of arc by using integral blinders located on either side of the lens. No masking tape required.
- Manual-ON/auto-OFF mode for installations where manual-ON switching is required but auto-OFF switching is still desired for CEC Title 24 energy savings.
- To comply with CEC Title 24, LED indicator light flashes when sensor detects motion to verify detection is active. Green flashes for ultrasonic, red flashes for PIR.
- Time delay adjustment for delayed-OFF time settings of 30 seconds (for walking test), 10 minutes, 20 minutes, and 30 minutes. Allows customized adjustments to maximize energy savings.
- Light sensor measures the ambient light in the room when it first detects motion and leaves the lights OFF (hold-off) if there is enough light in the room or turns the lights connected to the first relay ON if there is not enough light in the room.
- Self-Adaptive technology eliminates callbacks for adjustments. Time delay and sensitivity settings are continually adjusted to occupant patterns of use in auto adapt mode.
- Exclusive Walk-Through feature provides increased energy savings by not leaving the lights ON for an extended period after only momentary occupancy.

- Non-Adaptive Mode disables self-adjusting delayed-OFF time and walk-through feature in applications where these feature are not desired. Optional manual adjustment for delayed-OFF time settings allows customized adjustments to maximize energy savings.
- Vacancy confirmation; when the time out expires and the relay turns OFF, a 30-second vacancy confirmation exists to turn the relays back ON.
- False detection circuitry.
- U/S technology provides excellent minor motion sensitivity.
- Ability to disable PIR or U/S for added flexibility.
- Presentation Mode feature for slide or film presentations allows pushbuttons to turn lights OFF and keep them OFF while the room is occupied.
- Exclusive Leviton High Inrush Stability (H.I.S.) Circuitry. Specifically designed to handle today's high inrush electronic ballast loads and offer unmatched durability and service.
- One unit can be used for 120V through 277V lighting. Compatible with both electronic and magnetic ballasts.
- True zero-cross relay switches at the zero crossing point of the AC power curve to ensure maximum contactor life and compatibility with electronic ballasts.

Patents*

MX303643

US8502660

US8115626

*This list is provided for patent marking purposes only. A good faith effort is made to maintain the accuracy and completeness of this list. No legal inference should be drawn from the omission of a patent from this list.

SPECIFICATION SUBMITTAL

JOB NAME: <input style="width: 95%; height: 20px;" type="text"/>	CATALOG NUMBERS: <input style="width: 95%; height: 20px;" type="text"/>	
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