



**UPC Code :** 078477509067

**Country Of Origin :** United States

## OSSMD-MAE

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: Black

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

**Adjustment :** Self-Adjusting  
**Code Compliance :** California Title 24  
**Color :** Black  
**Consumption (mA) :** N/A  
**Coverage (Sq.Ft.) :** 2400  
**Device Type :** Occupancy Sensor  
**Domestic Content :** Made in USA  
**Grade :** Commercial  
**HVAC Relay :** N/A  
**LED Color :** Green and Red  
**Load Rating :** 800W@120V INC  
 1200VA@120V 2700VA@277V FL  
**Made in USA :** Yes  
**Motor :** 1/4 HP @ 120V  
**Mounting :** Wall Switch  
**Mounting Height (Ft.) :** 4 Ft.  
**Neutral Wire Connection :** Required  
**Number of Relays :** 2  
**Pattern :** 180°  
**Photocell :** Internal  
**Power Pack :** External Power Pack Not Required

#### Product Line : OSSMD

**Relative Humidity :** 20% to 90% non-condensing  
**Secondary Relay :** 800W@120V INC  
 800VA@120V 1200VA@277V FL  
**Sensor Type :** Wall Switch  
**Size :** 4.06" H x 1.75" W x 1.85" D  
 (103.2mm x 44.4mm x 47.2mm)  
**Standards and Certifications :** ETL/C-ETL  
**Storage Temperature Range :** -10°C to 85°C  
**Switch Type :** Single-Pole, Dual Relay  
**Technology :** Multi-Technology  
 PIR/Ultrasonic  
**Time Delay :** 30s-30m  
**Voltage :** 120/277 VAC  
**Wallplate :** Order Separately  
**Warranty :** 5-Year Limited

#### Standards and Certifications

**NAFTA Compliant :** Yes  
**Title 24 Compliant :** Yes

#### Mechanical Specifications

**Neutral Wire Connection :** Required  
**Relay Type :** Dual Relay  
**Switch Type :** Single-Pole, Dual Relay

#### Electrical Specifications

**Frequency :** 50/60Hz  
**Voltage :** 120/277 VAC

### 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**

<b>JOB NAME:</b> <input type="text"/>	<b>CATALOG NUMBERS:</b> <input type="text"/>	
<b>JOB NUMBER:</b> <input type="text"/>	<input type="text"/>	<input type="text"/>

**Leviton Manufacturing Co., Inc.**

201 North Service Road, Melville, NY 11747

Telephone: +1-800-323-8920 · FAX: +1-800-832-9538 · Tech Line (8:30AM-7:30PM E.S.T. Monday-Friday):  
+1-800-824-3005

**Leviton Manufacturing of Canada, Ltd.**

165 Hymus Boulevard, Pointe Claire, Quebec H9R 1E9 · Telephone: +1-800-469-7890 ·  
FAX: +1-800-824-3005 · [www.leviton.com/canada](http://www.leviton.com/canada)

**Leviton S. de R.L. de C.V.**

Lago Tana 43, Mexico DF, Mexico CP 11290 · Tel.: (+52)55-5082-1040 · FAX: (+52)5386-  
1797 · [www.leviton.com.mx](http://www.leviton.com.mx)

Visit our Website at: [www.leviton.com](http://www.leviton.com)

© 2018 Leviton Manufacturing Co., Inc. All Rights Reserved. Subject to change without notice.

**Leviton has a global presence.**

If you would like to know where your local Leviton office is located please go to:  
[www.leviton.com/international/contacts/](http://www.leviton.com/international/contacts/)

