WARNINGS AND CAUTIONS:

• Do not install this unit to control a receptacle.

• The OSSMT-GD Occupancy Sensor is intended to replace a standard single-pole Decora wall switch.

• Do not touch the surfaces of the device. Clean outer surface with a damp cloth only.

• Use this device with COPPER OR COPPER CLAD WIRE ONLY.

INSTALLATION INSTRUCTIONS

Step 1

1. Single-Pole

1. Line (Hot)

2. Neutral

3. Load

Cat.No. OSSMT-MD is UL listed.
Cat.No. OSSMT-GD is ETL listed.

1. Line (Hot)

2. Neutral

3. Load

TOOLS NEEDED TO INSTALL YOUR SENSOR

Screwdriver

Electrical Tape

Cutters


decora®

Single Pole (One Location) or Multi-Location
Multi-Technology Designer Wall Switch Occupancy Sensor

California Title 24 2005 Compliant

Cat. No. OSSMT-MD & OSSMT-GD

Incandescent/Tungsten: 800W @ 120V
Ballast: 1200VA @ 120V
Ballast: 2700VA @ 277V
Motor: 1-4hp @ 120V

Operating Temperature Range: 0°C to 50°C
Relative Humidity: Up to 90% non-condensing

No Minimum Load Required

Compatible with incandescent lamps, low-voltage lighting with electronic and magnetic transformers, electronic and magnetic fluorescent ballasts, and fans.

DESCRIPTION

Leviton’s Designer Multi-Technology Wall Switch Occupancy Sensor, Cat. No. OSSMT, is designed to detect motion using the passive infrared (PIR) sensor from sources (such as a person entering a room) within its field of view (monitored space) and automatically switch lights ON. The Occupancy Sensor senses motion within its maximum coverage area of 2400 sq. ft. (223 m²). The ultrasonic (US) sensors work with the PIR to keep the lights ON when occupied. The Occupancy Sensor at least 6 ft away from a climate control source.

The OSSMT is a single relay device, which can be Auto ON or Manual ON. The device contains a photocell that provides an Ambient Light Switching Feedback. If lights do not turn ON, refer to the TROUBLESHOOTING section.

FEATURES

• Dual detection technology, both Passive Infrared and Ultrasonic.

• Switches a single load circuit.

• Self-Adaptive Technology adjusts to occupancy patterns of use in the area.

• Can be configured as Ultrasonic Only by disabling Passive Infrared.

• The OSSMT is a single relay device, which can be Auto ON or Manual ON.

• Adapting time-out mode the sensor adapts its time delay according to occupancy habits.

• Independent time-out feature promises that if both sensors have not detected any motion for the set timeout period, the relay and its corresponding load will be turned OFF.

• The OSSMT-GD is also equipped with 2 independent time-out features: one fixed and another adapting time-out mode. Setting both the fixed and adapting time-out mode is necessary to ensure the device meets the requirements of the installation setup.

• If both sensors have not detected any motion, the OSSMT turns OFF. In adapting time-out mode the sensor adapts its time delay according to occupancy habits.

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• If both sensors have not detected any motion, the OSSMT turns OFF. In adapting time-out mode the sensor adapts its time delay according to occupancy habits.

Step 2

Identifying your wiring application (manual ON/OFF):

1. Line (Hot)

2. Neutral

3. Load

Cat.No. OSSMT-MD is UL listed.
Cat.No. OSSMT-GD is ETL listed.

1. Line (Hot)

2. Neutral

3. Load

TOOLS NEEDED TO INSTALL YOUR SENSOR

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Electrical Tape

Cutters


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INSTALLATION INSTRUCTIONS

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Operating Temperature Range: 0°C to 50°C
Relative Humidity: Up to 90% non-condensing

No Minimum Load Required

Compatible with incandescent lamps, low-voltage lighting with electronic and magnetic transformers, electronic and magnetic fluorescent ballasts, and fans.
Fixed Time Delay: The Fixed Time-Out value is set by selecting the Total Time-Out using the Time dial. There are four (4) values from which to choose. Each mark around the dial corresponds to a different value indicated below (refer to Control Panel Diagram).

NOTE: All time durations are approximate within ±10 seconds.

Adapting Time Delay: The Sensor has been built in adaptation intelligence that changes the Adapting Time-Out duration in response to the occupancy conditions of the room once installed. If the Sensor detects "large," frequent motion in an area will continue and the Adapting Time-Out duration will be reduced to a minimum of 10 minutes. If the Sensor detects "large," frequent motion in an area will continue and the Adapting Time-Out duration will be reduced.

New Motion Detection: When the light control is set in the Manual-ON mode, the button must be pressed to turn the lights ON. In the absence of motion, the unit will Time-Out and turn the lights OFF. The Motion Indicator LED will blink white every second while motion is detected. A red blink represents PIR detection, a green blink represents Ultrasonic detection. When the Time-Out expires and the relay turns OFF a 30 second vacancy confirmation exist to turn the relay back ON. After this time the device will be placed into a longer detection threshold mode. In Manual-ON mode, the button must be pressed to turn the lights ON. In the absence of motion, the unit will Time-Out and turn the lights OFF. If your OSSMT-GD does not seem to be functioning and has a flashing amber LED, there may be a zero-cross failure. Please call for technical assistance.

PRODUCT INFORMATION
• For technical assistance contact us at 1-800-242-3005
• Visit our website at: leviton.com

FCO COMPLIANCE STATEMENT
This equipment has been tested and found to comply with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference which may cause undesired operation.

This device complies with Part 15 of the FCC Rules. Operation is subject to following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference which may cause undesired operation.

This device is intended for use in the United States of America and Canada only. Use of this digital device, pursuant to Part 15 of the FCC Rules, is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference which may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by unplugging the equipment OFF and ON, the user is encouraged to try to correct the interference by one or more of the following measures:

• Reorient or relocate the receiving antenna.
• Increase the separation between the equipment and receiver.
• Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
• Consult the dealer or an experienced technician for help.

All changes or modifications not expressly approved by the party responsible for compliance could void the user’s authority to operate the equipment.

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