WARNINGs AND CAUTIONs:

- To be installed and used in accordance with appropriate electrical codes and regulations.
- If you are unsure about any part of these instructions, consult a qualified electrician.
- Controlling a load in excess of the specified ratings will damage the unit and pose risk of fire, electric shock, personal injury or death.
- Check your load ratings to determine suitability for your application.
- Do not install this unit to control a gas appliance.

INSTALLATION INSTRUCTIONS:

1. **Step 1**  Identifying your wiring application (most common):
   - 4. Line (Hot)
   - 2. Neutral
   - 3. Ground
   - 5. Secondary Load

2. **Step 2**  Choosing your wiring application:
   - 1. Line (Hot)
   - 3. Ground
   - 5. Secondary Load

3. **Step 3**  Preparing and connecting wires:
   - Pull off pre-cut insulation from sensor leads.
   - Make sure that the ends of the wires from the wall box are stripped (cut if necessary).
   - Remove insulation from each wire in the wall box as shown.

4. **Step 4**  Installing your Sensor - Single Location Application:
   - WARNING: If you are unsure about any part of these instructions, consult a qualified electrician.
   - NOTE: Allow 1 minute for warm-up after connecting and energizing.

5. **Step 5**  Installing your Sensor - Multi-Location Wiring Application:
   - WARNING: If you are unsure about any part of these instructions, consult a qualified electrician.
   - NOTE: Both occupancy sensors Cat. No. OSSMD-MD and OSSMD-GD require a neutral connection in order to operate. Use the ground wire in the electrical box for ground connection. If there is no ground wire, ensure electric line is grounded and attach ground wire to box with a screw.

**OSSMD-GD Wiring Methods**:

- The occupancy sensor Cat. No. OSSMD-GD does not require a neutral connection in order to operate. Use the ground wire in the electrical box for ground connection. If there is no ground wire, ensure electric line is grounded and attach ground wire to box with a screw.

**OSSMD-MD Wiring Methods**:

- The occupancy sensor Cat. No. OSSMD-MD requires a neutral connection to operate. Use the ground wire in the electrical box for ground connection. If there is no ground wire, ensure electric line is grounded and attach ground wire to box with a screw.

**OSSMD-FT Wiring Methods**:

- The occupancy sensor Cat. No. OSSMD-FT requires a neutral connection to operate. Use the ground wire in the electrical box for ground connection. If there is no ground wire, ensure electric line is grounded and attach ground wire to box with a screw.

**TOOLs NECESSARY TO INSTALL YOUR SENSOR**:

- Phillips Screwdriver
- Electrical Tape
- Cat. No. OSSMD-FT, OSSMD-GD

**FEATUREs**:

- Leviton’s unique style design
- Sensor can be ganged together with other units in a multiple-switch wall panel.
- Soft-Adapt™ Technology adjusts to occupancy patterns of users in smart mode.
- The Acti Raf™ sensor, when used in a smart mode, can adapt to the user’s movement to maximize energy efficiency.
- Adjustable horizontal field of view.
- Integrated photocell prevents lights from turning on when room is adequately illuminated by natural light.
- True Zero-Cross primary relay provides maximum contact life and prevents arcing.
- Dual detection technology, both Passive Infrared and Ultrasonic, can be configured as Ultrasonic Only and PIR Only.

**DESCRIPTION**:

Leviton’s Designer Multi-Tech Switch Occupancy Sensor, Cat. No. OSSMD, is designed to detect motion using the passive infrared (PIR) sensor from avowis (such as a person entering a room) within its field-of-view (monitored area) and automatically switch lights ON. The Occupancy Sensor series allow within its maximum coverage area of 10,500 square feet. The sensor unit is designed to detect human body heat movement between the walls of the room. The sensor unit can be configured to detect only human body heat movement in a room or within an area. The unit will detect motion within the room and turn lights ON or OFF based on the configuration of the sensor unit.

**APPLICATION**:

- Installing your Sensor - Multi-Location Wiring Application:
- Installing your Sensor - Single Location Application:
- Identifying your wiring application (most common):
- Choosing your wiring application:
- Preparing and connecting wires:
- Installing your Sensor - Single Location Application:
- Installing your Sensor - Multi-Location Wiring Application:
- Choosing your wiring application:
- Preparing and connecting wires:
- Identifying your wiring application (most common):
- Choosing your wiring application:
- Preparing and connecting wires:
- Installing your Sensor - Single Location Application:
- Installing your Sensor - Multi-Location Wiring Application:

**WARNINGs AND CAUTIONs**:

- Do not touch the surface of the lens. Clean outer surface with a damp cloth only.
- Disconnect power at circuit breaker or fuse before servicing, installing or removing fixture.
- Use this device only with approved relays marked CO-ALR or CLIL-M.
- Neutral connection required when used in circuits with GFCIs. Use Cat No’s OSSMD-MD or OSSMD-FT only.

**APPLICATION**:

- Identifying your wiring application (most common):
- Choosing your wiring application:
- Preparing and connecting wires:
- Installing your Sensor - Single Location Application:
- Installing your Sensor - Multi-Location Wiring Application:
- Choosing your wiring application:
- Preparing and connecting wires:
- Identifying your wiring application (most common):
- Choosing your wiring application:
- Preparing and connecting wires:
- Installing your Sensor - Single Location Application:
- Installing your Sensor - Multi-Location Wiring Application:

**OSSMD-GD Wiring Methods**:

- The occupancy sensor Cat. No. OSSMD-GD requires a neutral connection to operate. Use the ground wire in the electrical box for ground connection. If there is no ground wire, ensure electric line is grounded and attach ground wire to box with a screw.

**OSSMD-MD Wiring Methods**:

- The occupancy sensor Cat. No. OSSMD-MD requires a neutral connection to operate. Use the ground wire in the electrical box for ground connection. If there is no ground wire, ensure electric line is grounded and attach ground wire to box with a screw.

**OSSMD-FT Wiring Methods**:

- The occupancy sensor Cat. No. OSSMD-FT requires a neutral connection to operate. Use the ground wire in the electrical box for ground connection. If there is no ground wire, ensure electric line is grounded and attach ground wire to box with a screw.

**TOOLs NECESSARY TO INSTALL YOUR SENSOR**:

- Phillips Screwdriver
- Electrical Tape
- Cat. No. OSSMD-FT, OSSMD-GD

**FEATUREs**:

- Leviton’s unique style design
- Sensor can be ganged together with other units in a multiple-switch wall panel.
- Soft-Adapt™ Technology adjusts to occupancy patterns of users in smart mode.
- The Acti Raf™ sensor, when used in a smart mode, can adapt to the user’s movement to maximize energy efficiency.
- Adjustable horizontal field of view.
- Integrated photocell prevents lights from turning on when room is adequately illuminated by natural light.
- True Zero-Cross primary relay provides maximum contact life and prevents arcing.
- Dual detection technology, both Passive Infrared and Ultrasonic, can be configured as Ultrasonic Only and PIR Only.

**DESCRIPTION**:

Leviton’s Designer Multi-Tech Switch Occupancy Sensor, Cat. No. OSSMD, is designed to detect motion using the passive infrared (PIR) sensor from avowis (such as a person entering a room) within its field-of-view (monitored area) and automatically switch lights ON. The Occupancy Sensor series allow within its maximum coverage area of 10,500 square feet. The sensor unit is designed to detect human body heat movement between the walls of the room. The sensor unit can be configured to detect only human body heat movement in a room or within an area. The unit will detect motion within the room and turn lights ON or OFF based on the configuration of the sensor unit.

**APPLICATION**:

- Identifying your wiring application (most common):
- Choosing your wiring application:
- Preparing and connecting wires:
- Installing your Sensor - Single Location Application:
- Installing your Sensor - Multi-Location Wiring Application:
- Choosing your wiring application:
- Preparing and connecting wires:
- Identifying your wiring application (most common):
- Choosing your wiring application:
- Preparing and connecting wires:
- Installing your Sensor - Single Location Application:
- Installing your Sensor - Multi-Location Wiring Application:

**WARNINGs AND CAUTIONs**:

- Do not touch the surface of the lens. Clean outer surface with a damp cloth only.
- Disconnect power at circuit breaker or fuse before servicing, installing or removing fixture.
- Use this device only with approved relays marked CO-ALR or CLIL-M.
- Neutral connection required when used in circuits with GFCIs. Use Cat No’s OSSMD-MD or OSSMD-FT only.
**NOTE:** Do not press in on blinder or use excessive force (refer to Control Panel Diagram). If the Walk-through Time-Out does not turn on, refer to the TROUBLESHOOTING section.

**FEATURES**

**NOTE:** To access control settings, remove the control panel cover if necessary; remove the warning label that covers the adjustment dial (refer to FEATURES section).

Factory Settings: The sensor is shipped from the factory in a default state, with all settings adjusted to the factory settings. The factory settings are: Blinders, open; 10 minutes, Fixed Time-Out; Lights always ON regardless of room light level, Medium PIR and ambient light, Ultrasonic sensitivity, PIR disabled.

**NOTE:** Do not press in on blinder or use excessive force (refer to Control Panel Diagram). If the Walk-through Time-Out does not turn on, refer to the TROUBLESHOOTING section.

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