**WARNINGS AND CAUTIONS**

- TO AVOID FIRE, SHOCK, OR DEATH: TURN OFF POWER at circuit breaker or fuse and test that the power is off before wiring.
- TO AVOID FIRE, SHOCK OR DEATH, do not use to control a load in excess of the specified ratings. Check your load ratings to determine suitability for your application.
- To be installed and/or used in accordance with appropriate electrical codes and regulations.
- If you are not sure about any part of these instructions, consult an electrician.

**DESCRIPTION**

The Occupancy Sensor senses motion within its coverage area of 2400 sq. ft. (223.3 m²) and controls the connected lighting. This is a self-contained device which provides sensing and light control. The Occupancy Sensor will turn the lights ON when motion is initially detected, and keep the lights ON for as long as motion is detected. The Occupancy Sensor uses a small semiconductor heat detector that resides behind a multi-zone optical lens. This Fresnel lens establishes dozens of zones of detection. The sensor is sensitive to the heat emitted by the human body. In order to trigger the sensor, the source of heat must move from one zone of detection to another. The device is most effective in sensing motion across its field-of-view, and less effective sensing motion towards or away from its field-of-view (refer to figures 1 and 1A). Keep this in mind when setting the installation location (refer to figures 1 and 1A). Note that occupancy sensors respond to rapid changes in temperature, so care should be taken not to mount the device near a climate control source (i.e., radiators, air exchanges, and air conditioners). Hot or cold drafts will look like body motion to the device and will trigger it if the unit is mounted too close. It is recommended to mount the Occupancy Sensor at least 6 ft. away from any climate control source. The device can be mounted in a single gang wallbox. In addition, it is also recommended NOT to mount the Occupancy Sensor directly under a large light source. Large wattage bulbs (greater than 100W incandescent) give off a lot of heat and the bulb causes a temperature change that can be detected by the device. Mount the Occupancy Sensor at least 6 ft. away from large bulbs. If it is necessary to mount the device closer, lower the wattage of the bulb directly overhead.

**FEATURES**

- Leviton’s Decora® style design
- Switches electronic ballasts
- Low Profile, tamper-resistant lens
- Ambient Light Override

**Factory Settings:** The Sensor is shipped from the factory to work in almost all situations without any added adjustments. The “time-out” is factory preset to ten (10) minutes. Refer to figure 2A.

1. With the lights ON, rotate the Time Control fully counter-clockwise (CCW) to set the time-out to the thirty (30) second test mode (refer to figure 2A).
2. Rotate the Light Control fully CCW.
3. Cover the Sensor Unit with an opaque material, or leave the room and let the Sensor Unit time-out and turn the lights OFF.
4. Rotate the Light Control clockwise (CW) SLOWLY, until the light turns ON. This is the setting for the current level of light in the room.
5. Adjustments are finished.

**INSTALLATION**

**NOTE:** To avoid PERMANENT DAMAGE to the unit, be careful NOT TO OVERTURN the control knobs or levers when setting Cat. No. ODS10-IDx. The controls can be accessed by removing the wallplate and control panel cover. Use a small straight blade screwdriver to adjust knobs and a finger to adjust the blinder levers.

**RANGE:** To decrease detection range and sensitivity, rotate the knob CCW (refer to figure 2A). The detection range can be adjusted from 100% down to 36%.

**FEATURES CONTINUED**

**OPERATION**

The “time-out” is factory preset to ten (10) minutes. Refer to figure 2A.

**NOTE:** All time durations mentioned in the instructions are approximate within 10 seconds.

Ambient Light Setting:

1. Connect wires per appropriate WIRING DIAGRAM as follows (refer to wiring diagrams 1 & 2): BLACK lead to LINE. BLUE lead to LOAD. GREEN lead to GROUND. Twist strands of each lead tightly and, with circuit conductors, push firmly into the appropriate wire connector. Screw connector on clockwise making sure that no bare wire shows below the connector. Secure each wire connector with electrical tape.
2. Carefully position the wires into the wallbox, then mount the Sensor Unit into the wallbox.
3. Secure device using long mounting screws provided.
4. Restore power at circuit breaker or fuse.
5. Perform the adjustments for the time-out and the light setting (refer to Time Delay and Ambient Light sections). If necessary, adjust the range control and the blinders to stop any unwanted activation of the lights.

**NOTE:** Do not press in on blinder levers or use excessive force (refer to figures 2 & 2A).

**INSTALLATION COMPLETE:** Leave the room and the lights will turn OFF after the selected time-out expires.

**PUSH-BUTTON:**

- Do not use this unit to control a receptacle.
- Disconnect power when servicing fixture or changing bulbs.
- Use this device with copper or copper clad wire only.
- Do not touch the surface of the lens. Clean outer surface with a damp cloth only.

**NOTE:** Cat. No. ODS10-IDx occupancy sensor is intended to replace a standard light switch.
1. If there is no response from the unit (the light never turns ON and the LED never blinks) 1-1/2 minutes after power is applied, then uninstall device and verify there is a ground connection at the wallbox. If there is a ground connection, verify wiring.

2. If the lights never turn ON, but the LED blinks, check if the Ambient Light Control Knob is pointed fully counterclockwise (CCW). Rotate it clockwise (CW) until the lights turn ON.

3. If the lights constantly stay ON, even when the room is unoccupied:
   A. Check the Time setting. See how this time compares to how long the lights stay ON.
   B. Try lowering the Range Control. Rotate the knob CCW about 30°.
   C. If the problem persists, try reducing again. Note: Do Not reduce so much that Cat. No. ODS10-IDx cannot see normal occupancy.
   D. Be sure to use the Blinders to block any unwanted hallway traffic.
   E. Check for reflected heat/motion as Sensor Unit may be seeing motion through a window.
   F. Check for adjacent HVAC and/or heater ducts.

4. For additional information call Leviton’s Technical Support Line.

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**Troubleshooting Diagrams**

**Figure 1 - Field-of-View (Horizontal)**

**Figure 1A - Side (Vertical) Field-of-View**

**Figure 2 - Sensor Features**

**Figure 2A - Control Features**

**Wiring Diagram 1 - Single Control Application**

**Wiring Diagram 2 - Two Location Control Application**

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**FCC Compliance Statement**

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

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**Limited 5 Year Warranty and Exclusions**

Leviton warrants to the original consumer purchaser and not for the benefit of anyone else that this product at the time of its sale by Leviton is free of defects in materials and workmanship under normal and proper use for five years from the purchase date. Leviton’s only obligation is to correct such defects by repair or replacement, at its option. For details visit www.leviton.com or call 1-800-824-3005. This warranty excludes and there is disclaimed liability for labor for removal of this product or reinstallation. This warranty is void if this product is installed improperly or in an improper environment, overloaded, mishandled, opened, abused, or altered in any manner, or is not used under normal operating conditions or not in accordance with any labels or instructions. There are no other or implied warranties of any kind, including merchantability and fitness for a particular purpose, but if any implied warranty is required by the applicable jurisdiction, the duration of any such implied warranty, including merchantability and fitness for a particular purpose, is limited to five years. Leviton is not liable for incidental, indirect, special, or consequential damages, including without limitation, damage to, or loss of use of, any equipment, lost sales or profits or delay or failure to perform this warranty obligation. The remedies provided herein are the exclusive remedies under this warranty, whether based on contract, tort or otherwise.