Wiring Diagram 1: Single Control Application

- **Connect wires per appropriate WIRING DIAGRAM as follows (refer to Wiring Diagrams 1 & 2):** BLACK lead to LINE, BLUE lead to LOAD and 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.

- **Carefully position the wires into the wall box, then mount the Sensor Unit into the wall box.** Leave the room and the lights will turn OFF after the selected time-out expires.

- **Secure device using long mounting screws provided.**

- **Restore power at circuit breaker or fuse.**

- **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:** Connect wires per appropriate WIRING DIAGRAM as follows (refer to Wiring Diagrams 1 & 2): BLACK lead to LINE, BLUE lead to LOAD and 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.

- **NOTE:** Allow approximately thirty (30) seconds after power is supplied for warm-up. After this, the device will turn the lights ON and the LED will blink.

- **NOTE:** Adjust the range control and the blinders to stop any unwanted activation of the lights.

- **NOTE:** Secure device using long mounting screws provided. 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 blinders or lever switches.

- **6. Attach the Control Panel cover, and a Decora® Wallplate (not included). INSTALLATION IS COMPLETE.** Leave the room and the lights will turn OFF after the selected time-out expires.

**WARNING:** TO AVOID FIRE, SHOCK, OR DEATH; TURN OFF POWER AT CIRCUIT BREAKER OR FUSE AND TEST THAT THE POWER IS OFF BEFORE WIRING!

- **DO NOT** install this unit to control a receptacle.

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- **NOTE:** Cat. No. ODS06 requires a ground connection in order to operate. Use the ground wire in the electrical box for ground connection. If there is no ground wire, make sure the electrical box is grounded and attach the ground wire to the box with a screw.

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CONTROL FEATURES

BLINDERS: The blinders can narrow the field-of-view of the device to prevent unwanted activation from traffic in adjacent spaces. There are two blinders, and each operate independently. To operate the blinders, use a finger or small screwdriver to move the blinder adjustment levers toward or away from the center of the device. The blinder levers are found above the control knobs and below the text “BLINDERS” on the control panel. With both levers moved fully towards the center, the field-of-view is narrowed to 32°. With both levers moved fully away from the center, the field-of-view is at a maximum 180° (refer to Figure 2A).

TIME-DELAY: Cat. No. ODS06 will turn lights ON when motion is detected. When motion is no longer detected, the Sensor Unit will wait a certain amount of time and then turn the lights OFF. This wait time is called “time-out”. The “time-out” is selected from four (4) preset values. Pointing the arrow at one of the markings on the face chooses the value of time. The following selections are available:

- (/) Slash Mark: 30 second fixed time-out used for performing a walk-test.
- 1: 10 minute time-out
- 2: 20 minute time-out
- 3: 30 minute time-out

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: The Ambient Light Level is the amount of light present in a room without any artificial light added. If there is already enough light in a room, the occupant may not need further artificial light. Cat. No. ODS06 has an adjustment to keep the lights from turning ON if there is enough light already present. The adjustment should be made when the ambient light is at the level where artificial light is needed. Follow these steps to make a more accurate adjustment of the Light Control.

AMBIENT LIGHT SETTING:
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.

Manual ON Mode: When the light control is in the fully CCW position the lights will never automatically turn ON. In this mode the lights need to be manually turned ON by the push-button, and will turn OFF with the absence of motion. If the light control is in the fully CW position, the lights will turn ON whenever motion is detected, even in full daylight. Intermediate settings will cause the lights to turn ON only when the ambient light is below the level selected by the light control.

NOTE: The ambient light in a room will change with the time of day and the season of the year.

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%.

OPERATION

PUSH-BUTTON: Cat. No. ODS06 has a push-button switch that will toggle the lights (refer to Figure 2). If the lights are OFF, the lights will turn ON when the button is pressed, and remain ON in the presence of motion. In the absence of motion, the Sensor Unit will time-out and turn the lights OFF. If the lights are ON, the lights will turn OFF when the button is pressed. The lights will stay OFF regardless of motion detected, until the time-out expires. After the time-out expires, the lights will turn ON with the next detected motion. This is useful for slide or film presentations.

NOTES:
- The Motion Indicator LED will blink every 2 seconds while motion is detected.
- 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 Manual-On mode is desired, keep the Light knob in the fully counter-clockwise (CCW) position.

TROUBLESHOOTING

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, verify wiring.
2. If the lights never turn ON, but the LED blinks, check if the Ambient Light Control Knob is pointed fully counter-clockwise (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. ODS06 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.

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.

FOR CANADA ONLY

For warranty information and/or product returns, residents of Canada should contact Leviton in writing at Leviton Manufacturing of Canada Ltd to the attention of the Quality Assurance Department, 165 Hymus Blvd, Pointe-Claire (Quebec), Canada H9R 1E9 or by telephone at 1 800 405-5320.

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 renewal of this product or reinstallation. This warranty is void if this product is installed improperly or in an improper environment, overloaded, misused, opened, abused, 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.