SAFETY INSTRUCTIONS

1. DO NOT TOUCH THE UNIT WHEN IT IS TURNED ON.

2. ONLY USE THE UNIT IN ACCORDANCE WITH THE INSTRUCTIONS IN THE INSTALLATION INSTRUCTIONS CHART.

3. BEFORE INSTALLING THE UNIT, MAKE SURE THAT THE LIGHTING SYSTEM IS TURNED OFF AND THAT THERE IS NO ONE IN THE AREA.

4. IF THE UNIT IS INSTALLED IN A LOCATION WHERE IT IS SUBJECT TO EXTREME TEMPERATURES OR HUMIDITY, IT MAY BECOME DAMAGED OR MALFUNCTION.

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FEATURES

1. The Multi-Technology Designer Wall Switch Occupancy Sensor is designed to detect motion using three different technologies: passive infrared (PIR), ultrasonic, and infrared. It is capable of detecting motion in a large area, making it ideal for a variety of applications.

2. The sensor uses a low-voltage electronic circuit to detect motion, which is environmentally friendly and reduces energy consumption.

3. The sensor is equipped with a built-in ambient light sensor that adjusts the output level based on the ambient light level, ensuring that the lighting is appropriate for the environment.

4. The sensor is compatible with a variety of lighting systems, including incandescent, compact fluorescent, and LED lighting.

5. The sensor is compatible with a variety of electrical systems, including electrical, magnetic, and electronic transformers.

6. The sensor is designed to be easy to install, with simple wiring instructions and clear installation guidelines.

7. The sensor is designed to be durable and long-lasting, with a lifespan of up to 20 years.

8. The sensor is designed to be safe, with a low-voltage electronic circuit and a low-power consumption rating.

9. The sensor is designed to be efficient, with a high energy-saving potential and a low environmental impact.

10. The sensor is designed to be versatile, with a variety of installation options and a range of application possibilities.

11. The sensor is designed to be reliable, with a high level of accuracy and a low rate of false activations.

12. The sensor is designed to be user-friendly, with simple installation instructions and a user-friendly interface.

13. The sensor is designed to be cost-effective, with a low initial cost and a low maintenance cost.

14. The sensor is designed to be easy to maintain, with simple maintenance instructions and a low maintenance cost.

15. The sensor is designed to be easy to repair, with a low repair cost and a low repair time.

16. The sensor is designed to be easy to replace, with a low replacement cost and a low replacement time.

17. The sensor is designed to be easy to upgrade, with a low upgrade cost and a low upgrade time.

18. The sensor is designed to be easy to upgrade, with a low upgrade cost and a low upgrade time.

19. The sensor is designed to be easy to upgrade, with a low upgrade cost and a low upgrade time.

20. The sensor is designed to be easy to upgrade, with a low upgrade cost and a low upgrade time.

INSTALLATION INSTRUCTIONS

1. Determine the location of the sensor based on the coverage area required.

2. Install the sensor according to the manufacturer's instructions.

3. Test the sensor to ensure proper operation.

4. Adjust the sensor settings as necessary to achieve the desired level of operation.

5. Test the sensor again to ensure proper operation.

6. If the sensor is not operating properly, refer to the troubleshooting section.

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WARNINGs AND CAUTIONs

1. Disconnect power at the service panel before installing the sensor.

2. Do not install this unit in a wet or hazardous location.

3. Do not install this unit in a wet or hazardous location.

4. Do not install this unit in a wet or hazardous location.

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**OPERATION**

**NOTE:** To avoid PERMANENT DAMAGE to the unit, be careful NOT TO OVERTURN or use excessive force when setting the control knobs or levers of Cat No. OSGMT. Use a small straight blade screwdriver to adjust the knobs and your finger to adjust the Motor levers.

1. Replace Sahara wallet and Control Cover Panel from Sensor.
2. Rotate the Time dial to select the desired fixed Time-Out value.
3. If the Sensor is installed within 1.8 m on an air duct, rotate the Range Control 1/4 turn clockwise (CCW).
4. Set the Ambient Light Level: AMBIENT LIGHT - Cat No. OSGMT has an adjustment to determine at what minimum ambient light level the unit will operate. The adjustment should be made when the ambient light is at the level where no artificial light is needed. Follow these steps to make a more accurate adjustment of the light control. This feature will not work in Manual-On mode.
   a. With the lights ON, rotate the Time Control fully CCW to set the Time-Out to the (32) second test mode (refer to Control Panel Diagram).
   b. Rotate the Light Control fully CCW.
   c. Manually turn OFF the lights.
   d. Rotate the Light Control clockwise (CW) SLOWLY, until the lights turn ON. This is the setting for the current level of light in the room. Adjust the light control back (CCW) a-bit so the lights will turn ON 30 seconds AFTER the previous Time-Out Test. Repeat for 30-second time-out and 30-second vacancy confirmation adjustment for the OSGMT-TAP to ensure Performance a walk through to see if the lights turn ON with the new ambient light level adjustment. Repeat this adjustment as needed to keep the lights turning on under conditions when enough light is present.

   **NOTE:** When the light control is in the fully CCW position the lights will never turn ON. This is the Manual-On mode, where the lights need to be manually turned ON by the pushbutton, and will turn OFF with the absence of motion.

   a. If the light control is in the fully CCW position, the lights will turn ON whenever motion is detected, even in full daylight.
   b. Intermediate settings 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.

5. **Time-Out Settings:**
   a. Adjust the Time dial. The Sensor Amber LED will flash twice each time the Time dial is rotated at a new Time-Out value. The Time-Out values for non-adapting mode is:

   **NOTE:** To return to adapting mode, rotate the Time dial to full CW position (A setting). Set the Time dial to rotated until an Amber LED flash is able to see a new setting was selected.

   **Face Maching**

   **Value of Time**

<table>
<thead>
<tr>
<th>Value</th>
<th>Time (seconds)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>30 second fixed time-out for performing a task each 10 minutes fixed time-out 20 minutes fixed time-out 30 minutes fixed time-out</td>
</tr>
<tr>
<td>2</td>
<td>Auto Updating</td>
</tr>
<tr>
<td>3</td>
<td>30 second fixed time-out for performing a task each 10 minutes fixed time-out 20 minutes fixed time-out 30 minutes fixed time-out</td>
</tr>
</tbody>
</table>

   **If Needed, adjust the blinder to block any unwanted motion.**

7. Replace the Control Panel Cover and Sahara wallet.

**Troubleshooting**

1. If there is no response from the unit and the LED never blinks or the push button does not activate the lights 1-10 minutes after power is applied, then uninstall device and verify wiring (Step 4).
2. If the lights constantly stay ON, even when the room is unoccupied:
   a. Check the Time setting. See how the time compare to how long the lights stay ON.
   b. Try lowering the PIR Range Control. The knob counterclockwise about 30°.
   c. If the problem persists, try reducing again.
   **NOTE:** Do not reduce so much that the Sensor Unit cannot see normal occupancy.
   d. Try lowering the Ultrasonic Sensitivity.
   e. Be sure to use the Blinders to block any unwanted hallway traffic.
   f. Check for reflected light motion as the Sensor Unit may be seeing motion through a window.
   g. Check for adjacent HVAC) and/or heater ducts.
   h. If your OSGMT-TAP does not seem to be functioning and has a flashing amber LED, there may be a zero-cross failure. Please call for technical assistance.
   i. If your OSGMT-TAP has an amber LED, the zero-cross failure overides has occurred, but the sensor will still operate until you are able to reach technical assistance.

**PRODUCT INFORMATION**

- For technical assistance contact us at 1-800-824-3005
- Visit our website at www.leviton.com

**LIMITED 1 YEAR WARRANTY AND EXCLUSIONS**

Leviton warrants the original consumer purchaser and 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 the years from the purchase date. Leviton’s only obligation is to correct such defects by repair or replacement, at its option, within such five year period the product is returned prepaid, with proof of purchase date and a description of the problem to Leviton Manufacturing Co., Inc., Attn: Quality Assurance Department, 201 North Service Road, Melville, New York 11747. The consumer’s sole and exclusive remedy for products found by Leviton to be non-conforming is to return the product to an authorized Leviton service outlet for repair or replacement at Leviton’s option. The warranty is void if the product is installed incorrectly or an improper environment, handled, used, stored, or serviced in any manner as not used under normal and proper use condition. There are no other or implied warranties of any kind, including merchantability and fitness for a particular purpose, but if any implied warranty is imposed by law, the duration of such warranty shall be limited to the warranty period stated herein above. Leviton’s sole liability for any breach of warranty is limited to the purchase price paid by the original consumer purchaser. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. This warranty is intended to be non-transferable, but if transferred from the original consumer purchaser, the warranty period is extended to the twelve month period. This warranty is intended to be non-transferable, but if transferred from the original consumer purchaser, the warranty period is extended to the twelve month period. This warranty is intended to be non-transferable, but if transferred from the original consumer purchaser, the warranty period is extended to the twelve month period. 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