The wall-mounted Occupancy Sensor saves energy and adds convenience by accurately detecting when an area is occupied or vacant. It is wireless, solar-powered, and uses a passive infrared (PIR) sensor to detect motion. The Occupancy sensor transmits an RF signal when the light level is above a certain threshold. If there is a change of state from occupied to unoccupied or vice versa, an RF message is sent. The sensor can be programmed to transmit a random signal of varying levels of intensity when occupied. These levels can be programmed from 1 to 3 blinks, with 1 indicating very good light (200 lux or more) and 3 indicating a light level that is not sufficient to trigger a response.

**COMPATIBLE DEVICES:**

- Power drill, 3/16" bit
- Leveling tool
- Light meter
- Screwdriver
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- Leveling tool
- Light meter
- Screwdriver

**EQUIPMENT NEEDED FOR INSTALLATION:**

- Drill two holes with a 3/16" drill bit and insert the wall anchors.
- Insert the first screw loosely and level the mounting plate (see FIGURE 1).
- Insert the second screw then hand-tighten the first screw.

**INSTALLING THE OCCUPANCY SENSOR:**

1. Remove the mounting plate from the sensor assembly by pressing the release tab located on the top of the sensor.
2. Using a level and a pencil, lightly mark two small dots to align the upper edge of the mounting plate.
3. Decide which of the two installation options is appropriate:
   - Flush to the Wall
   - Angled in a Corner
4. Orient the mounting plate using the pencil marks. Mark the two mounting screw drill points.
5. Verify there is 4 ft. (1.2 m) clearance from heat sources that may disturb sensing.
6. Install the sensor on the wall by hand-tightening the screws.
7. Replace the bottom screw and remount sensor on the plate.
8. To associate or disassociate an Occupancy Sensor:
   - The desired transmitter, or another transceiver, is triggered to send a special association command to the sensor.
   - The sensor will respond to the signal and transmit a response.

**SPECIFICATIONS:**

- **Field of View:**
  - Wide Angle = 2000 sq. feet
  - Long Range = 1800 sq. feet
- **Frequency / Range:**
  - 315 MHz / 50-150 feet
- **Power Supply:**
  - Solar Powered, Battery for backup (optional)
- **Light Required to Sustain Operation:**
  - 50 lux for 30 transmissions per hour
  - 100 lux for 60 transmissions per hour
- **Environmental:**
  - Indoor Use Only
  - 14° to 124°F (5°C to 50°C)
  - 20% to 95% relative humidity (non-condensing)
- **Charge Time for Full Charge:**
  - 3 Hours @ 200 lux (after startup)
  - 6 Hours @ 200 lux (cold Start)
- **Radio Certification:**
  - FCC (United States) SZV-EOSW01
  - I.C. (Canada) 5713A-EOSW01

**DIMENSIONS:**

- **Solar Cell**
  - 2.5" (64mm)
  - 1.1" (28mm)
- **Lens**
  - 5.8" (148mm)
  - 1.8" (45.7mm)

**PROGRAMMING AND ACTIVATION:**

Two or more compatible devices can be linked and configured to provide the desired control. There are two basic types of devices in the system: transmitters and transceivers.

- **Transmit only:** Transmitters are simple energy-harvesting devices that send RF messages to communicate a condition, level, or state. Transmitters can only be linked to transceivers.
- **Transmit & Receive:** Transceivers are controlling devices that send as well as receive RF messages. They also process relevant control logic, and actuate the appropriate outputs.

**Troubleshooting:**

- **Sensor does not generate a wireless message:**
  - Verify the LED blinks when motion is detected during a walk test.
  - Verify the solar cell is charged properly.
- **Sensor is activated when there is nothing moving:**
  - Verify there is 4 ft. (1.2 m) clearance from heat sources that may disturb sensing.
  - Reduce sensitivity setting by moving the PIR sensitivity switch on the back to low (the left-hand position).
- **Linked device does not respond to wireless messages:**
  - Check for system issues.
  - Verify the device is linked.
  - Check the association between the sensor and the transceiver.
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 two years from the purchase date. Leviton’s only obligation is to correct such defects by repair or replacement, at its option, if within such two year period the product is returned prepaid, with proof of purchase date, and a description of the problem to Leviton Manufacturing Co., Inc., Att: Quality Assurance Department, 201 North Service Road, Melville, New York 11747.

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This warranty is void if this product is installed improperly or in an improper environment, overloaded, misused, opened, abused, or altered in any manner, or is not used under normal operating conditions or not in accordance with any labels or instructions.

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FCC COMPLIANCE STATEMENT:
FCC ID: SZV-EOSW01  IC: 5713A-EOSW01
The enclosed device complies with Part 15 of the FCC Rules.
Operation is subject to the following two conditions:
(i.) This device may not cause harmful interference
(ii.)  This device must accept any interference received, including interference that may cause undesired operation.
Any changes or modifications not expressly approved by Leviton could void the user’s authority to operate this equipment.

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 1E8 or by telephone at 1 800 405-5320.

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WEB VERSION