Ceiling Mounted Line Voltage Vacancy Sensor California Title 20 Compliant

INSTALLATION INSTRUCTIONS

WARNINGs AND CAUTIONS:

For Occupancy Sensors installed to control Emergency Lighting Equipment:
This equipment is being used for Emergency Lighting and Power Equipment, which is understood to be an Emergency Lighting Equipment, and it is therefore adhered to the following information. This equipment is rated for only 25% used on Emergency Lighting Equipment. Use the Emergency ‘Circuit label’ (provided) to the front cover.

IMPORTANT SAFEGUARDS:

When using electrical equipment, basic safety precautions should always be followed, including the following:

1. READ AND FOLLOW ALL SAFETY INSTRUCTIONS.
2. DO NOT mount near gas or electric heaters.
3. Equipment should be mounted in locations that are high up and far away from anything that could be easily touched by unauthorized personnel.
4. The use of accessory equipment not recommended by manufacturer may cause an unsafe condition.
5. DO NOT use this equipment for other than the intended use.

SAVE THESE INSTRUCTIONS:

All servicing shall be performed by qualified service personnel. If any Emergency Circuits are fed from a UPS, generator, or other guaranteed source of power during emergencies and power outage situations.

TOOLS NEEDED TO INSTALL YOUR SENSOR:

• Slotted Phillips Screwdriver
• Small Slotted Screwdriver
• Wire stripper

PARTS INCLUDED LIST:

• SmartSensor (1)
• Mid-Range Lens (1)
• Sensor (1)

WARNINGs AND CAUTIONS:

• 360˚ Perforated Mask (1)

TOOLs NEEDED TO INSTALL Your SENSOR:

• Strip Gauge 3/4”

ELECTRICAL CONNECTION:

Insert wires into proper terminals. Use a screwdriver to turn terminal screws clockwise and secure wires.

• Line (Hot) - L1
• Neutral - N
• Neutral wire to Neutral terminal.

Figure 2

3. Remove front cover.
4. Locate the delay-off time in the factory literature the LED will flash yellow once every second. Refer to Figure 2 for switch settings.

Figure 3 - Knob Settings

To mount inside 4” square 1.5” deep ceiling electrical box with mud ring, refer to Figure 2.

1. Loose do switch in 2 Bank B it will be in the OFF position from the factory start off.
2. Press the low voltage switch to turn the load ON.
3. Press the momentary switch to turn the load OFF. While the sensor is in test mode, the LED will flash yellow once every second. Refer to Figure 2 for switch settings.

VENcACY SENSOR OPERATION:

Manual switch press will turn the lights ON. The sensor turns the lights OFF when vacancy is detected and the delayed-off time has expired.

• Delayed-off time: The sensor is designed to turn off the lights OFF if no motion is detected after a specified time length. This length of time is called the delayed-off time and is set using the ‘Time (Black)’ knob on the sensor.

• Wall through delay: Once the walk-through feature works as follows: When a person enters the room and turns on the lights with the delayed-off time set, the person leaves the room, the lights will turn off approximately 2.5 minutes later. This delay time can be adjusted from 0 minutes to 10 minutes (50% off). This person stays in the room longer than 2.5 minutes, the sensor will provide the standard operating Manual switch press will turn the lights ON. The sensor turns the lights OFF when vacancy is detected and the delayed-off time has expired.

• Device State: To reset Auto adapting settings to factory default.

• Manual ON/OFF Switch: To turn the lights ON to test the delayed off time and lights will turn OFF after the delayed off time expires.

• Emergency Interface: When the sensor is the only input keeping the load ON, the load will remain ON when the sensor is in Auto mode based on how the sensor adapts to the room conditions. This adaptation can be overridden by moving the sensor to ON/Off. Refer to Table 2 for switch settings.

• Manual ON – 120-240 VAC, 50/60 Hz, 60-30 ma 1000 sq. ft. Mount in center of room/area, 8-12 ft height

- 2-Way Manual ON/OFF Switch:

- 3-Way Manual ON/OFF Switch:

- 2-Way Manual Switch:

- 3-Way Manual Switch:

• Delayed-Off time:

• Enable Forced Mode.

• Override ON/Override OFF, Refer to Table 2 for switch settings.

• Adjustable Time:

• Adjustable US Sensitivity:

• Adjustable Time:

• Adjustable US Sensitivity:

• Adjustable US Sensitivity:

• Adjustable Time:

• Adjustment knob settings:

To mount inside 4” 4.5” 2.125” deep ceiling electrical box, refer to Figure 1.

1. Dress line voltage wires to provide enough clearance in electrical box when device is installed. Lay the two screws.

2. Partially thread the #6-32 screws (not included) into the mounting holes of the sensor.

3. Push the device assembly onto the two screws.

4. Tighten the screws firmly.

Mounting the Sensor in Electrical Box with Ballast

To mount inside 4” 4.5” 2.125” deep ceiling electrical box, refer to Figure 2.

1. Ensure that the conduit clamp is located in center of electrical box. The sensor will turn off the lights OFF if no motion is detected after a specified time length. This length of time is called the delayed-off time and is set using the ‘Time (Black)’ knob on the sensor.

2. Wall through delay: Once the walk-through feature works as follows: When a person enters the room and turns on the lights with the delayed-off time set, the person leaves the room, the lights will turn off approximately 2.5 minutes later. This delay time can be adjusted from 0 minutes to 10 minutes (50% off). This person stays in the room longer than 2.5 minutes, the sensor will provide the standard operating.

3. Device State: To reset Auto adapting settings to factory default.

4. Manual ON/OFF Switch: To turn the lights ON to test the delayed off time and lights will turn OFF after the delayed off time expires.

5. Emergency Interface: When the sensor is the only input keeping the load ON, the load will remain ON when the sensor is in Auto mode based on how the sensor adapts to the room conditions. This adaptation can be overridden by moving the sensor to ON/Off. Refer to Table 2 for switch settings.

6. Manual ON – 120-240 VAC, 50/60 Hz, 60-30 ma 1000 sq. ft. Mount in center of room/area, 8-12 ft height

- 2-Way Manual ON/OFF Switch:

- 3-Way Manual ON/OFF Switch:

- 2-Way Manual Switch:

- 3-Way Manual Switch:

4. Delayed-Off time:

5. Enable Forced Mode.

6. Override ON/Override OFF, Refer to Table 2 for switch settings.

7. Adjustable Time:

8. Adjustable US Sensitivity:

9. Adjustable Time:

10. Adjustable US Sensitivity:

- Adjustment knob settings:
Troubleshooting

- Lights do not turn ON
  - Circuit breaker or fuse has tripped.
  - Forced Mode is enabled with the Forced State set to OFF. To disable the Forced Mode refer to Table 2 for switch settings.

- Lights stay ON
  - Constant motion.
  - To Test: Reduce RED and/or GREEN knob by 25%; remove motion source. If unsatisfactory, move sensor.
  - Infrared sensor can "see" into hallway.
  - To Test: Put sensor in Timer Test mode and walk hallway. If lights continue to come ON, move sensor.
  - Forced Mode is enabled with the Forced State set to ON. To disable the Forced Mode refer to Table 2 for switch settings.

- Light turns ON too long
  - Timer setting too high.
  - To Test: Check switch settings. Typical setting is 10 minutes.
  - LED illuminates solid RED for longer than 5 minutes, device malfunction, contact technical assistance.

For technical assistance, contact us at 1-800-824-3005

Visit our website at www.leviton.com

Product Information

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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.

This product may be covered by US Pat. Nos. 8,154,154; 7,924,155; 8,227,731; 7,608,807 and 8,115,626.

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.

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. 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.