IDENTIFYING YOUR WIRING:

- If you are unsure about any part of these instructions, consult an electrician.
- To be installed and/or used in accordance with electrical codes and regulations.

CAUTION:
- Do not install this unit to control a receptacle.
- The OSN1-IFX Occupancy Sensor is intended to replace a standard light switch.
- Do not touch the surface of the lens. Clean outer surface with a damp cloth only.
- Use this device with Copper or Copper Clad wire only.

WIRING SENSORS:

Connect wires per WIRING DIAGRAM as follows:

1. Line (hot) - (L1)
2. Neutral - (N)
3. Neutral wall box wire to N terminal.
4. Earth

NOTE: Allow approximately 30 seconds for warm-up after connected.

TESTING YOUR SENSOR:

Step 3

Installing your Sensor - Single-Pole Application

NOTE: Use check boxes after steps are completed.

WIRING DIAGRAM:

Step 1

WARNING: TO AVOID FIRE, SHOCK, OR DEATH:
- Turn OFF power at circuit breaker or fuse and test that power is off before wiring.
- DO NOT LOWERTHE WATTAGE OF THE BULB DIRECTLY OVERHEAD AWAY FROM LARGE BULBS. IT IS NECESSARY TO MOUNT THE DEVICE CLOSER TO THE SOURCE TO OPERATE PROPERLY.
- The neutral at the source to operate properly. If the Earth wires is floating the device will not work.

NOTE: The Cat. No. OSN1-IFX requires a neutral wire. If there is no neutral wire this device will not work.

NOTE: The Cat. No. OSN1-IFX requires an Earth wire bonded to the Neutral at the source to operate properly. If the Earth wire is floating, the device will not work.

NOTE: The LED indicator will flash after power is applied. Allow approximately 20 seconds for warm-up. After 20 seconds the lights will turn ON. If the lights turn ON and the LED blinks which is a sign that a load was warded in front of the lens, then the Sensor was installed improperly.

If lights do not turn ON, refer to the TROUBLESHOOTING section.

NOTE: Cat. No. OSN1-IFX is factory preset to work without any adjustments. If you desire to change the factory settings, refer to FEATURES AND SETTINGS section.

NOTE: To avoid PERMANENT DAMAGE to the unit, be careful not TO OVERTURN the control knobs or levers when setting the Sensing. The control can be accessed by removing the wall plates (if applicable) and control panel cover (refer to Sensor Features Diagram). Use a small straight-blade screwdriver to adjust knobs and lever blenders.

NOTE: DO NOT move in an on-blender lever or use excessive force (refer to Sensor Features Diagram).

- Align the Control Panel cover when the desired settings are complete.

FEATURES AND SETTINGS:

- BLYINDERS: The blinders can narrow the field-of-view of the device to prevent unwanted activation from traffic in adjacent spaces. There are two blenders, and each operates independently. To operate the blinders, use a finger or small screwdriver to move them. You can adjust the levers toward or away from the center of the device.
- NIGHTLIGHT MODE: The Cat. No. OSN1-IFX preset to ON for continuous mode or dim mode which will automatically dim 5% of full brightness after 1 minute of no occupancy.

- NIGHTLIGHT DIM: To adjust the LED NightLight output, turn the dial marked “ON MODE/DIM” (OSN1-IFX) counter-clockwise to dim and clockwise to bright.

- NIGHTLIGHT DIM: The factory default setting for the Nightlight Mode is dimmed. This means the LED NightLight automatically dimes to 5% of full brightness after 2 minutes of no occupancy when no activity is detected.

- To change the Nightlight Mode perform the following procedure:

  1. Press and hold the push button for 2 seconds to determine the current mode:
    a. Nightlight flashes once every 1 second for Continuous Mode
    b. Nightlight flashes twice every 1 second for Dim Mode

  2. To change, hold the push button for 10 seconds and the Mode will toggle. This will be indicated by a change in the flash pattern as described above.
OPERATION

PUSH-BUTTON: Cat. No. OSSNL-IFs has a push-button switch that toggles the lights (refer to figure). If the lights are OFF, the lights will turn ON when the button is pressed, and remain ON in the presence of motion. If the lights are ON, 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 (Auto-ON Mode only) 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.
- The LED in the Sensor Unit will blink every second while motion is detected.
- If the lights are OFF, turn the lights ON; if the lights are ON, turn the lights OFF.
- When the button is pressed, the lights will turn OFF regardless of motion detected. The lights will remain OFF until the time-out expires. After the time-out expires, the lights will turn ON (Auto-ON Mode only) with the next detected motion. This is useful for slide or film presentations.

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, then reinstall device and verify there is an Earth connection at the wallbox. If there is an Earth connection, verify wiring.
2. If the lights never turn ON, but the LED blinks, check if the Manual-ON setting. See Manual-ON Mode setting for adjustments.
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 knobs counter-clockwise about 10°.
   C. If the problem persists, try reducing again.
   NOTE: Do not reduce so much that Cat. Nos. OSSNL-IFs 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.

PRODUCT INFORMATION

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

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, if 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., Att: Quality Assurance Department, 20 North Service Road, Melville, New York 11747. This warranty is void if the product is installed improperly or in an improper environment, exceeded normal operating conditions, abused, or altered in any manner. It is not transferable from original consumer purchaser to any other person or entity, and is not transferable under any condition other than defects in materials or workmanship. 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, loss of sales or profits or delay or failure to perform any warranty obligation. The remedies provided herein are the exclusive remedies under this warranty, whether based on contract, tort or otherwise.