### TROUBLESHOOTING

**Load will not turn off:**
- LED does not flash:
  - Check the sensitivity for proper configuration.
  - Check all wire connections. Verify the ground wire is tightly secured.
- LED does flash:
  - Press the ON/OFF button. If load does not turn on, check all wire connections and verify the load wire is tightly secured.
  - Check the light level trimpot. Turn it fully clockwise.
  - If load still does not turn on, call 800.223.4185 for technical support.

**Load will not turn on:**
- The time delay is set to 30 seconds (Walk-test feature, light can be set from 30 seconds to 30 minutes in 5-minute increments). To test unit operation, press the ON/OFF button to turn the load on.
- Leave the room. The load should go off after 30 seconds.
- If load still does not turn off, call 800.223.4185 for technical support.

**Sensing motion outside desired area:**
- LED does flash:
  - Check the sensitivity for proper configuration.
- LED does not flash:
  - Check all wire connections and verify the load wire is tightly secured.
  - To quickly test the unit for proper operation, turn the time delay to minimum (fully counterclockwise) and move out of the sensor’s view. Load should turn off after 30 seconds.
  - If load still does not turn off, call 800.223.4185 for technical support.

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- The time delay is set to 30 seconds (Walk-test feature, light can be set from 30 seconds to 30 minutes in 5-minute increments). To test unit operation, press the ON/OFF button to turn the load on.
- Leave the room. The load should go off after 30 seconds.
- If load still does not turn off, call 800.223.4185 for technical support.

**LED does not flash:**
- Check the sensitivity for proper configuration.
- Check all wire connections. Verify the ground wire is tightly secured.
- LED does flash:
  - Press the ON/OFF button. If load does not turn on, check all wire connections and verify the load wire is tightly secured.
  - Check the light level trimpot. Turn it fully clockwise.
  - If load still does not turn on, call 800.223.4185 for technical support.

**LED does not flash:**
- Check the sensitivity for proper configuration.
- Check all wire connections. Verify the ground wire is tightly secured.
- LED does flash:
  - Press the ON/OFF button. If load does not turn off, call 800.223.4185 for technical support.
UNIT DESCRIPTION AND OPERATION

The WSP-250 Wall Switch Occupancy Sensors turn lighting or fan loads on and off based on occupant and ambient light levels. They are designed to replace a standard light switch. The WSP-250 operates with 120 or 277VAC line voltage.

The sensor uses passive infrared technology to sense human motion, and defines it as occupancy. A green LED on the sensor blinks upon occupancy and then灭s. It will blink again when it detects motion after the 2-second read.

The sensor turns on the load automatically when it detects occupancy. Once the space is vacant and the time delay elapses, it turns off the load automatically. If adequate ambient light is already present in the area, the sensor will hold off the load it controls. When the light drops below a field selectable level and the sensor detects occupancy, the sensor turns on the load. Once turned on, the load remains on until the space is vacant or the light level rises above the setpoint and the time delay expires.

Manual Override: The occupant can press the ON/OFF button to turn the load on and off. When the load is turned off or on manually, it stays off or on as long as the sensor detects motion. After no motion is detected for the length of the time delay, the sensor goes back to automatic operation. If the load was on, it turns off. The next time the sensor detects occupancy and the ambient light is lower than the set level, the sensor automatically turns on the load.

Walk Test Feature: When the Time Delay trimpot is in the fully counterclockwise position, the sensor has a 30-second time delay and the Light Level function is disabled. This allows you to quickly check the sensor coverage area.

Override Function: In the event of unit failure or if it is necessary to leave the load on, remove the Override Jumper plug. This disables all automatic on and off functions and the load can only be operated using the ON/OFF button.

CAUTION

For normal installation of the WSP-250 connect:
1. LOAD to Red flying lead.
2. LINE to Black flying lead.
3. GROUND to Green.

COVERAGE PATTERNS

The WSP-250 detects motion in areas up to 900 sq. ft. and up to 35 feet from the sensor. Ideally, the sensor is designed for small amounts of motion in spaces standard 9 ft. The Fresnel lens on the sensor is a multiple segment viewing lense with a field of view of 180°.

The sensor must have a clear view of the people in the space in order to detect occupancy. For example, such as furniture blocking the sensor’s line, may prevent occupancy detection.

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