PREMIUM QUALITY LIGHTING

54900
OCCUPANCY SENSOR
TECHNICAL DATA SHEET

Superior Life®

INSTALLATION

WARNINGS

DISCONNECT POWER BEFORE INSTALLING OR SERVICING

AVOID HVAC TURBULENCE: When Heating, Ventilating or Air Conditioning (HVAC) registers turn on, they create turbulence which can cause the sensor to activate. It is important that the sensor and HVAC register be separated by at least 6'.

Windows, glass doors and other transparent barriers will obstruct the sensor's view and prevent detection.

NOTE: The Sensor's field-of–view may be partially obstructed by the Luminaries housing. At higher mounting heights, the outer beams are not used. As long as the bottom of the sensor is mounted within 1" from the bottom of the luminaire, the field-of-view will not affected (Fig1A).

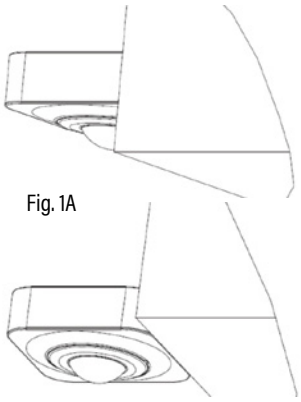

Fig. 1A

SENSOR INSTALLATION:

1. Remove the lock-nut from the thread clockwise on to the threaded nipple into a half inch hole of the luminaire body or the electrical box.

2. Slide the lock-nut over the wires and thread clockwise on to the threaded nipple to secure the sensor firmly in place making sure the lens is orientated towards the area to be monitored (field-of-view). (Fig 2A)

3. Connect wire per wiring diagram as follows: BLACK lead to LINE (HOT) • RED lead to LOAD • WHITE lead to NEUTRAL. (Fig 2B) Twist the existing wires together with wire leads on the 54900 sensor as indicated. Cap them securely using the wire nuts provided.

4. Restore power at circuit break or fuse.

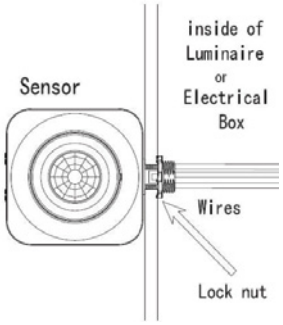

Fig. 2A

TIME DELAY ADJUSTMENT: When people leave the load can still work within the set time period . It can be adjusted from 15 seconds up to 30 minutes. The left is the minimum 15 seconds and the right is the maximum 30 minutes. (Fig 3A)

SENSITIVITY ADJUSTMENT: To decrease the PIR detection range and sensitivity, rotate the knob counter clockwise. The detection range can be adjusted from 100% down to 30%. (Fig 3A)

TROUBLESHOOTING

Lights will not turn ON

• Circuit breaker or fuse is OFF. Ensure the lights being controlled are in working order.

• Sensor is wired incorrectly or may be defective: confirm wiring is done correctly and inspect for visual problems.

• Lens is dirty or obstructed: Inspect and clean if necessary.

Light will not turn OFF

• Make sure no motion is occurring in the coverage area until the time delay expires (factory set is 15 seconds)

• Sensor is wired incorrectly or may be defective: confirm wiring is done correctly and inspect for visual problems.

• Sensor is mounted too closely to a air conditioning or heating vent.

• The line voltage has dropped: Perform necessary tests to ensure line voltage has not dropped beneath 100V.

Lights turn OFF and ON too quickly

• Sensor is mounted too closely to a air conditioning or heating vent.

• Time delay is set improperly.

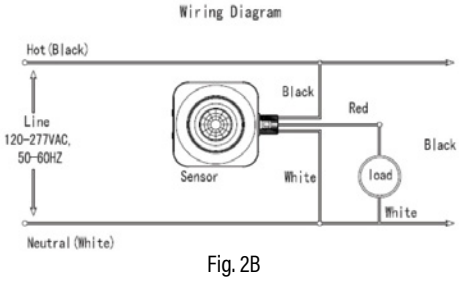

Fig. 2B

Fig. 3A

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