

CEILING MOUNT SENSORS

OSC15PLS

Installation Instructions

DESCRIPTION

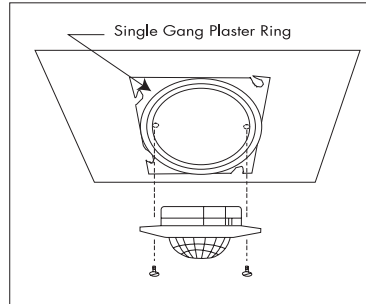
OSC15PLS Passive infrared ceiling mount sensor. Supplied with mounting screws and masking kit.

FEATURES

- Covers areas up to 1500 sq. ft. when mounted at 9 ft.
- Fully adjustable time delay of 30 seconds-30 minutes including override capability.
- Fully adjustable ambient light level override (5 foot candles to 200 foot candles/bypass)
- Fully adjustable sensitivity (20%-100% of maximum coverage)

PRE-INSTALLATION

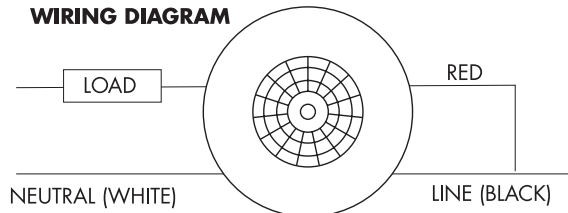
1. For installation by a qualified electrician in accordance with national and local codes and the following instruction.
2. For indoor use only.
3. CAUTION: RISK OF ELECTRIC SHOCK. Disconnect power before installing. Never wire energized electrical components.
4. CAUTION: USE COPPER CONDUCTORS ONLY.
5. Check to see that the device type and rating are suitable for the application.
6. If moisture or condensation is evident, allow the product to dry completely before installation.
7. Do not install if any damage to the product is noticed



INSTALLATION

1. WARNING: Turn power off at the circuit breaker before installing sensor.
2. OSC15PLS sensor is designed to be mounted using a 3-0" mud/plaster ring attached to a 4" sq. junction box. Verify local and state codes.
3. Wire the OSC15PLS according to the figure below. These connections are necessary for the OSC15PLS sensor:
 - BLACK lead on OSC15PLS connects to the LINE (120V through 347V input is acceptable).
 - WHITE lead on OSC15PLS connects to NEUTRAL.
 - One RED lead on OSC15PLS connects to the LOAD (Switch Leg)
 - The second RED lead on OSC15PLS connects to the LINE into sensor (BLACK). See wiring diagram.

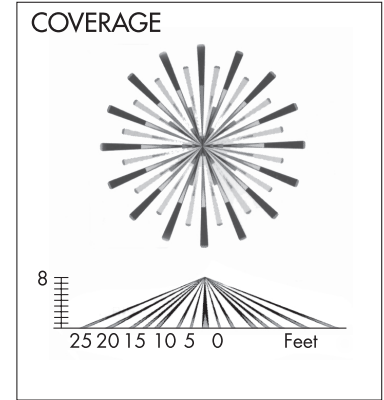
WIRING DIAGRAM



COVERAGE AND PLACEMENT

Passive infrared sensors are activated by changes in temperature within the sensors field of view. PIR series sensors feature a 360 degree field of view with a radius of 22 feet mounted at 8 feet. It is necessary that the unit be installed within the line of sight of the occupants. If obstructions such as partitions, furniture or plants are present, the sensor will not see past them. The sensor should NOT be installed:

- In view of direct sunlight or strong reflected light sources
- In direct view of open doorways where hallway traffic may accidentally activate the lights.
- Near a shower or steam source, or where exposed to rain.
- Outside (OSC15PLS sensors are for indoor use only)



SENSOR ADJUSTMENT

For all controls, maximum adjustment is clockwise (CW), minimum adjustment is counter-clockwise (CCW). Adjustment should be made after a three minute stabilization period. Make sure all fixtures and furniture is in place before adjusting any sensor. To access controls, remove the sensor cover by turning clockwise. Restore power to the lighting circuits and turn the lights on.

Sensitivity

1. Set the time delay (TIME) to minimum (Fully CCW).
2. Set the sensitivity (SENS) to maximum (Fully CW).
3. Replace the sensor cover.
4. Turn the ambient setting to maximum (Fully CW) by inserting the screwdriver through the hole in the sensor cover.
5. Move away from the sensor and stand still. The lights should switch OFF after 30 seconds. If the lights remain on, move further away from the sensor or out of sight of the unit. If the lights still remain ON, decrease the sensitivity (SENS) by rotating it CCW. Repeat step 5.
6. Adjust as necessary. Cover must be in place for accurate reading.

Photocell adjustment

The photocell is used to detect if other light sources such as sunlight, are enough to illuminate the space without turning on the lights. If use of the photocell is desired, see directions for photocell adjustment listed below. If use of the photocell is not desired, turn the photocell adjustment (located on the right below "SENS" setting) fully clockwise to the maximum setting. This will allow the sensor to turn the lights on and off regardless of ambient light conditions.

1. Adjust light level in the room to a level which you want the sensor to turn on by using the shades, blinds, etc.
2. Set the time delay to the minimum setting by turning the adjustment fully counter clockwise.
3. Turn the Ambient Control setting fully counter clockwise. Leave the room and allow the lights to turn off.
4. Re-enter the room and slowly turn the ambient control clockwise until the lights switch on. NOTE Avoid blocking lens and sensor while making this adjustment. The Green LED will turn Red and the lights will switch on at the light level present in the room.

Time delay

1. Remove the sensor cover.
2. Set the time delay according to the room requirements. Minimum setting is fully CCW, fully CW overrides the lights to "on."
3. Replace the sensor cover.