



General Specification

OCCUPANCY SENSOR SWITCH

Model No.: WOS15

Description

The passive infrared sensors work by detecting the difference between heat emitted from the human body in motion and the background space. The sensor switch can turn a load on and hold it as long as the sensor detects occupancy. After no motion is detected for the set time delay, the load turned off automatically. The sensor switch has one relay (equal to single pole switch), also includes Ambient Light Level Sensor.

Specifications

Voltage	120VAC, 60Hz
Fluorescent.....	500VA
Motor	1/8Hp
Incandescent	500W
Time Delay	15Sec to 30Mins
Light.Level.....	30Lux--Daylight
Operation Temperature.....	32° F--131° F

Installation & wiring

Wiring Diagram:

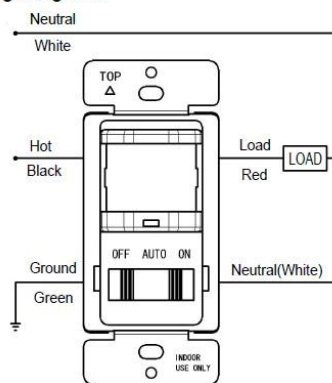


Figure 1

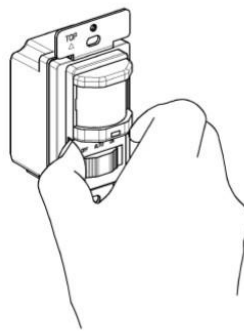


Figure 2

1. Connect lead wires as WIRING DIAGRAM (see Figure 1):
Black lead to Line(Hot), Red lead to Load wire, White lead to Neutral wire,
Green lead to Ground.
2. Gently position wires in wall box, attach sensor switch to the box.
3. Mount device "TOP" up.
4. Restore power at circuit breaker or fuse, wait *one* minute.
5. Remove the small cover plate. (Illustrated as Figure 2.)
6. Locate the adjustment knobs on the control panel to perform test and adjustment.(Illustrated as Figure 2.)
7. Replace the small cover plate after testing and adjustment.
8. Attach the wallplate.

Testing & Code Compliance

- UL LISTED
- NEMA

Coverage area

The coverage range of the sensor switch is specified and illustrated in Figure 3. Large objects and some transparent barriers like glass windows will obstruct the sensors' view and prevent detection, causing the light to turn off eventhough someone is still in the detection area.

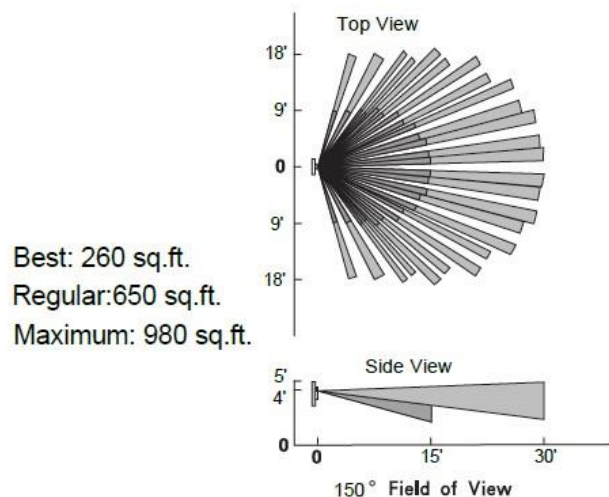


Figure 3

Adjustment

Time Delay knob

Default position: 15 Seconds (Test mode)

Adjustable: from 15 Seconds to 30 Minutes (clockwise)

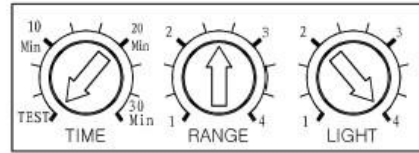


Figure 4

Sensor Sensitivity Range Knob

Default position: Center at 65%

Adjustable: 30% (Position 1) to 100% (Position 4)

Note: Turn toward right for greater room space.

Turn toward left to avoid false alert in smaller room and near the door way or heat source.

Ambient Light Level Knob

Default position: Daylight (100% at position 4)

Adjustable: Daylight to 30Lux (Counter clockwise)

Note: to avoid wasting energy by turn-on the light under daylight.

Operation

Band switch prescription for WOS15

Mode	Position	Description
OFF	Left	Circuit is permanently opened. (switched off)
AUTO	Center	Occupancy Mode: Automatic On when occupancy is detected. Automatic Off after the set time delay.
ON	Right	Load stays On always. (switched on)