



Commercial Grade Occupancy/Vacancy Sensor

Model No: MWOS

Description

This Multi-Technology Wall Switch Sensor combine advanced passive infrared (PIR) and ultrasonic technologies into one unit. The combined technologies helps eliminate false triggering even in difficult applications. Selectable operating modes allow the sensor to turn a load on, and hold it on as long as either or both technologies detect occupancy . After no movement is detected for the selected time delay, the lights switch off. A “walk-through” mode can turn lights off after only 3 minutes, if no activity is detected after 30 seconds following an occupancy detection.

This sensor also contains a light level sensor. If adequate daylight is present, the sensor holds the load OFF until light levels drop, even if the area is occupied.

Features

- Integrated PIR and Ultrasonic sensor technology to detect very fine motion and provide accurate motion sensing
- Allows to choose triggering when both technologies detect motion or when only PIR detects motion
- Less false trigger, fast ON/OFF; commercial grade sensor for closet, garage, hotels, meeting room, work places
- Adjustable timeout from 15 seconds to 30 minutes; Walk-Through mode: 3 minutes if no activity after first 30 seconds

Specifications

Voltage	120/277VAC,50/60Hz
Load Requirments:	
Incandescent	800W-120VAC,50/60Hz
Fluorescent	800VA-120VAC 1600VA-277VAC 50/60Hz
Resistive	800W-120VAC,50/60Hz
Motor	1/4HP-120VAC,50/60Hz
Adjustment Time Delay	5 Sec to 30 Mins
Walk-Through Mode	3 minutes if no activity after 30 sec.
Test Mode	5 sec. at initial power up or DIP switch reset
PIR Adjust	High or Low (DIP switch)
Ultrasonic Adjust	Minimum to Maximum (trimpot)
Light Level Adjust	100 Lux - daylight(trimpot)
Operating Temperature	32° F - 131° F

Testing & Code Compliance



Coverage area

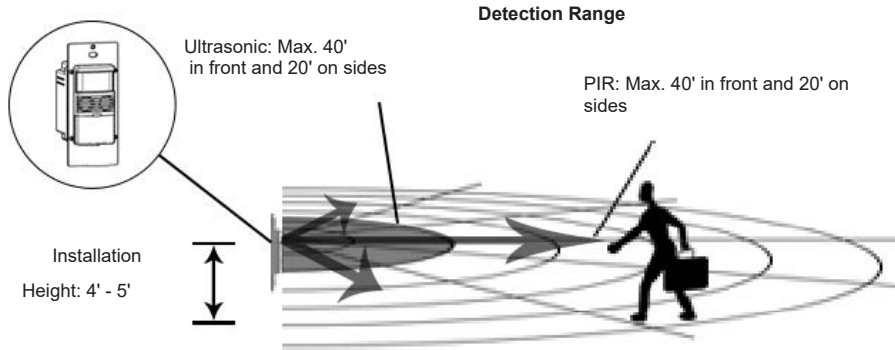


Figure 1

Wiring

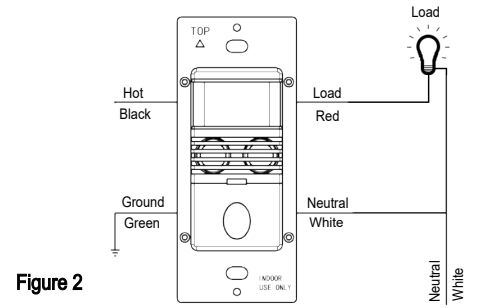


Figure 2

Adjustment

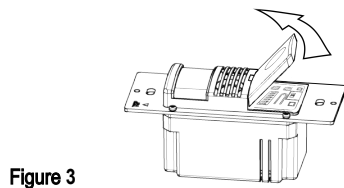


Figure 3

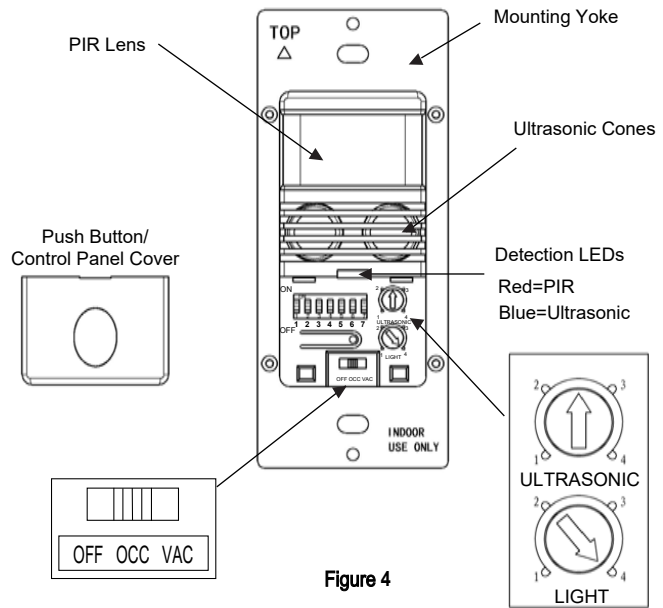


Figure 4