INSTALLATION INSTRUCTIONS

SMRT-WALL-OCC-VAC-DT-NON DIM

Multi-Technology PIR/Ultrasonic
Sensor Switch
Occupancy / Vacancy

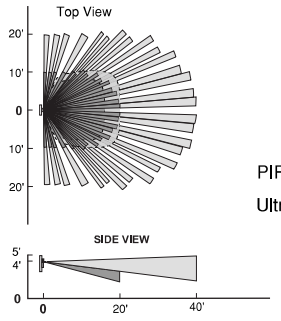
◆ SPECIFICATIONS

Voltage 120/277VAC,50/60Hz
Load Requirments:
Incandescent.....800W-120VAC,50/60Hz
Fluorescent.....800VA-120VAC,1600VA-277VAC,50/60Hz
Motor 1/4HP-120VAC,50/60Hz
Adjustment Time Delay..... 15Sec to 30Mins
Walk-Through Mode.....3 minutes if no activity after 30 sec.
Test Mode ..... 15 sec. at initial power up or DIP switch reset
PIR Adjustment.....High or Low (DIP switch)
Ultrasonic Adjustment ..... Minimum to Maximum (trimpot)
Light Level Adjustment.....100 Lux --daylight(trimpot)
Operation Temperature..... 32° F--131° F

◆ DESCRIPTION

The SMRT-WALL-OCC-VAC-DT-NON DIM, is a Dual Tech wall mounted non dimming motion sensor, capable of occupancy or vacancy modes. It combines advanced passive infrared (PIR) and ultrasonic technologies into one unit. The combined technologies help to avoid false triggering. Selectable operating modes allow the sensor to turn a load on, and hold it as long as either or both technologies detect occupancy. After movement is detected for the selected time delay, the lights switch to 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 the light levels drop, even if the area is occupied.

◆ COVERAGE PATTERN



PIR Coverage: 1200 ft²

Ultrasonic Coverage: 400 ft ²

Figure 1

WARNING: Turn off the circuit breaker before installation.
Indoor use only.
Do not exceed electrical ratings.

◆ INSTALLATION

1. Make sure that the power has been turned OFF at the circuit breaker.
2. Connect lead wires as WIRING DIAGRAM (see Figure 2): Black lead to Line(Hot), Red lead to Load wire, White lead to Neutral wire, Green lead to Ground.

Wiring Diagram:

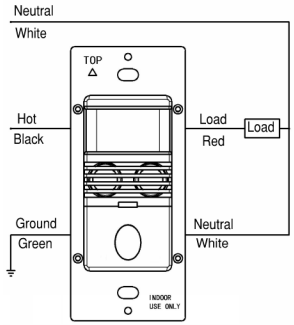


Figure 2

3. Mount device “TOP”up.
4. Gently position wires in wall box, attach sensor switch to the box.
5. Restore power at circuit breaker or fuse, wait *one* minute.
6. Remove the small cover plate. (illustrated as Figure 3.)
7. Locate the adjustment trimpots on the control panel to perform test and adjustment.(illustrated as Figure 3 and 4.)
8. Replace the small cover plate after testing and adjustment.

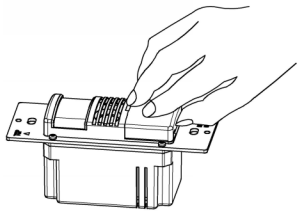


Figure 3

◆ ADJUSTMENT

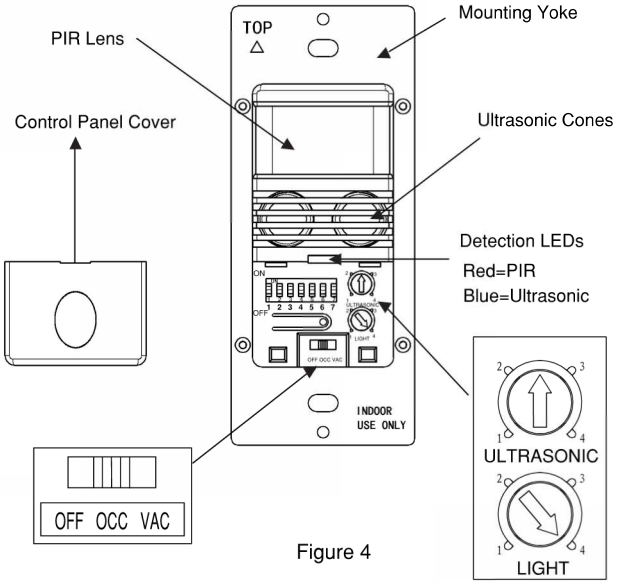


Figure 4

Band switch prescription.

Mode	Position	Description	React to the push-button
OFF	Left	Circuit is permanently opened. (switched off)	None
OCC	Center	Occupancy Mode: Automatic On, automatic Off after set time delay.	Manually toggles On / Off the load.
VAC	Right	Vacancy Mode: Manual On only, automatic Off after set time delay.	Manually toggles On/Off the load.

Ultrasonic Sensitivity Adjustment Trimpot

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 Adjustment Trimpot

Default position: Daylight (100% at position 4)
Adjustable: Daylight to 100Lux (Counter clockwise)