



**General  
Specification**

**Commercial Grade**

**In-Wall Occupancy/Vacancy Sensor**

Model #: DWOS-1277



**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. This product has one relay (equal to Single Pole Switch), also includes adjustable Ambient Light Level.

**Features:**

- Turn lights ON/OFF automatically (Occupancy Mode)
- Manual ON / automatically OFF (Vacancy Mode)
- Time delay is adjustable from 15 seconds (test mode) to 30 minutes
- Neutral wire required
- Zero Crossing for long relay life
- Adjustable sensitivity settings
- Light level is adjustable
- Standard decorator wall plate included

**Specifications:**

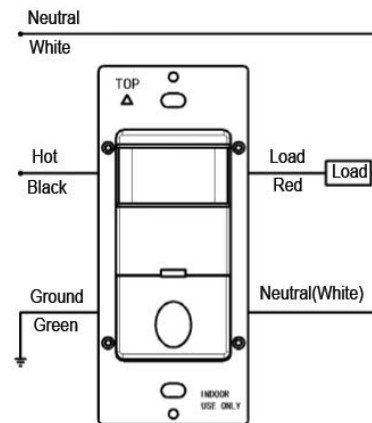
Voltage .....	120/277Vac, 60 Hz
Incandescent .....	800W
Fluorescent .....	800VA@120VAC, 1600VA@277VAC
Motor .....	1/4 HP
Time delay .....	15 Sec to 30 Mins
Light level .....	30 Lux – Datlight
Operating temperature .....	32 F to 131 F

**Testing & Code Compliance**

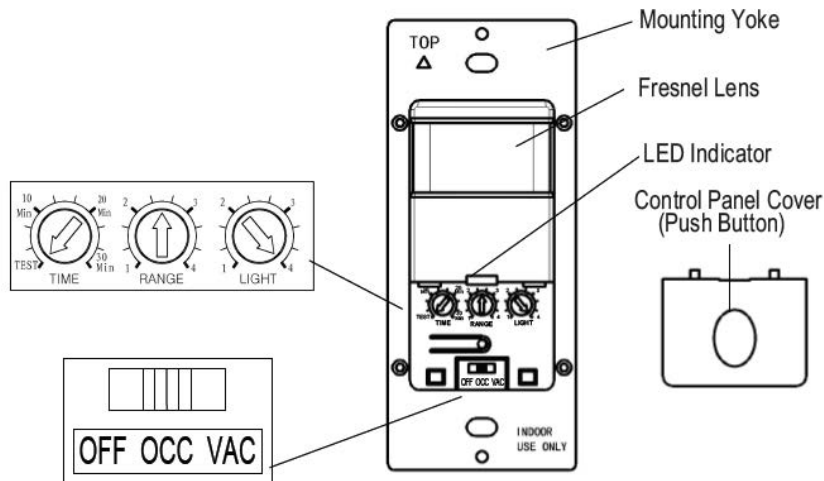
- UL/CUL Listed device
- California Title 24

## Installation & wiring:

Install the product as illustrated to the right, connects wires Green lead to ground, Black lead to Hot, Red lead to Load, White Lead to Neutral.



## Controls



## \*Coverage Area

The coverage range of the sensor switch is specified and illustrated in Figure 1. Large objects and some transparent barriers like glass windows will obstruct the sensors' view and prevent detection, causing the light to turn off even though someone is still in the detection area.

Best: 320 sq.ft.  
Regular: 800 sq.ft.  
Maximum: 1200 sq.ft.

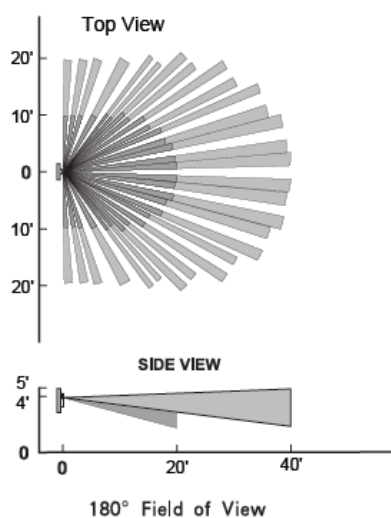


Figure 1