



Commercial Grade Occupancy/Vacancy Sensor

Model No: DWOS-1277-NL

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. Night Light will only be active when it is set to Vacancy Mode, Night Light stays ON if the load is Off, it turns off if there is an Occupancy and the light turned on. 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
- Night Light feature to pinpoint the location of the switch in a dark area.

Specifications

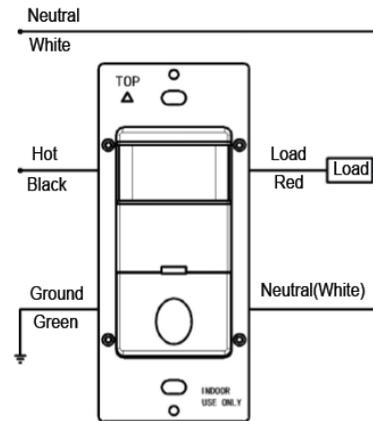
| | |
|-----------------------------|-----------------------------|
| Voltage | 120/277Vac, 60 Hz |
| Incandescent | 800W |
| Fluorescent..... | 800VA@120VAC, 1600VA@277VAC |
| Motor | 1/4 HP |
| Time delay | 15 Sec to 30 Mins |
| Light level | 30 Lux – Daylight |
| Operating Temperature | 32 F to 131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

Testing & Code Compliance

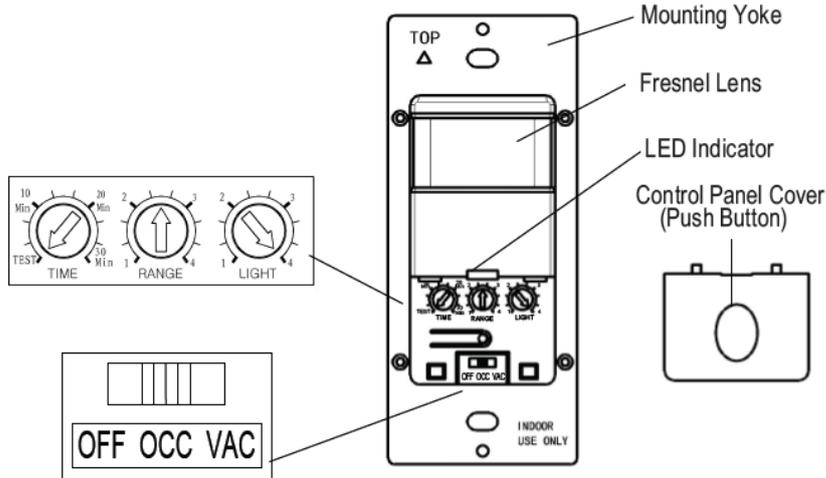


Installation & wiring:

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

As illustrated in Figure 1, The DWOS-1277 has a 180° detection range with a maximum distance of 30' detection in front of the sensor and 20' on the sides. For maximum results, the sensor must be properly installed between the height of 4' to 5' and away from obstructions such as walls, furniture and transparent barriers like Low-E glass.

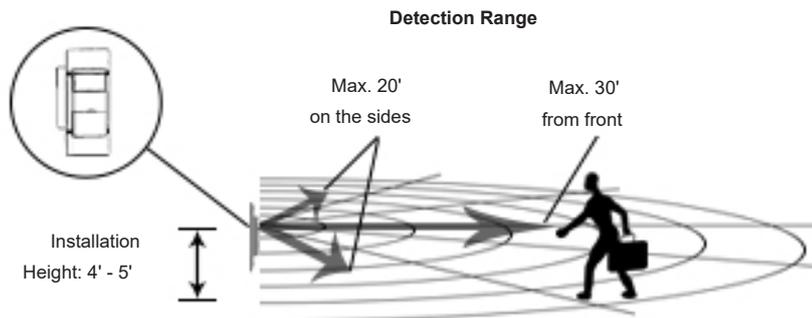


Figure 1