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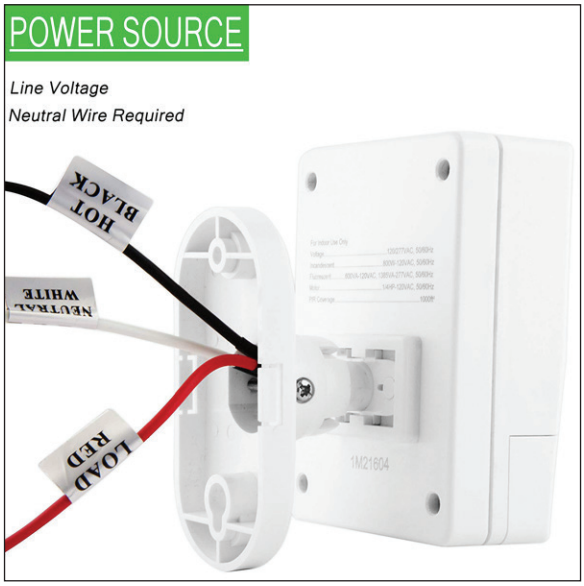

150° Dual-Technology PIR/Ultrasonic Line Voltage Occupancy Sensor

Model No: MDW-V

Description

This Dual Technology Occupancy Sensor combines advanced passive infrared (PIR) and ultrasonic technologies into one unit. The combined technologies help to avoid false triggering even in difficult applications. The MDW-V turns lighting on and off based on occupancy and ambient light levels.

The sensor offers numerous operating modes that can be combined to create the ideal custom control. Selectable operating mode 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 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.

Coverage Area

The MDW-V provides a 150° coverage pattern. The coverage shown represents walking motion at mounting height of 10 feet. For building spaces with lower levels of activity or with obstacles and barriers ,coverage size may decrease.

Specifications

Voltage	120/277 VAC @50/60Hz
Current Consumption	8A. Controls incandescent, CFL, and LED lighting
Operating Temperature	32°to 131°F (0°to 55°C)
Adjustment Time Delay	5 Sec. to 30 Min.
Test Mode	delaytime is 5 sec. lasts 30 Min. at each time by setting
PIR Adjustment	50% or 100% (DIP switch 1)
Ultrasonic Adjustment	Minimum to Maximum (trimpot 1)
Light Level Adjustment	100 Lux --daylight(trimpot 2)
PIR Coverage	1000ft²
Ultrasonic Coverage	800ft²

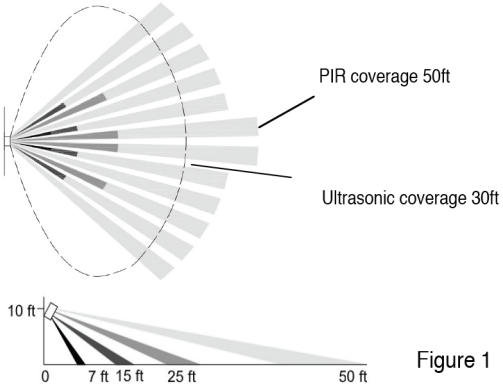

Figure 1