

Dual Tech Ceiling Mounted Occupancy Sensor

Sensor Model: S-OD-S12-DFWH



Specifications

- Sensor Type - PIR and Ultrasonic Occupancy Sensor
- Input Voltage - 12-24VDC
- Current Consumption - 60mA @ 12VDC
- Max Power Consumption - 40 mA @ 24VDC
- Mounting Height - 10' (3m)
- Max Detection Area* - 44' / 1600ft²
- Photocell Sensitivity - 100 - 1600 Lux
- Operating Temperature - 32°F to 131°F (-0°C to 55°C)
- Storage Temperature - 14°F to 140°F (-10°C to 60°C)
- Relative Humidity - 95% non-condensing
- Mounting - Recessed in Ceiling
- Dimensions - 4.52" diameter (114.808mm)
- Warranty - 2 Years

*results may vary based on mounting height, temperature, angle, floor material, and line of sight.

Description

The Dual tech Sensor is a recessed, ceiling mounted Occupancy Sensor with Passive Infrared sensing and Ultrasonic capabilities. The sensor will turn luminaires on to the set dimming level when motion is detected and turn lights off after the area is vacated.

Sensor Operation

End users can program length of time delays, light level sensitivity, sensor range and other settings using the BubblyNet App.

Features

- PIR and Ultrasonic Sensor
- LED Motion Indicator
- 360° Coverage Pattern
- Program Occupancy/Vacancy
- Suitable for Indoor Use Only
- Available with White Trim

Certifications



Applications

The Dual tech Sensor can be used in line of sight applications. Also, with the addition of the PIR and ultrasonic sensor the device has the ability to detect motion in the presence of partitions and obscure sight lines.

Installation

2-24VDC power needs to be supplied to the sensor, either with one AC/DC transformer or with the auxiliary DC output of the BubblyNet Controllers, not included.

Connectivity

Devices are repeaters for other devices and should be installed within a certain maximum distance from each other.

Typical maximum distance:

<u>Outdoor (line of sight):</u>	200ft
<u>Indoor (through building material):</u>	
Glass:	100ft
Drywall:	70ft
Cinderblock:	60ft
Brick:	50ft
Concrete + rebar	0ft

Devices with external antenna should have the antenna outside any metal box and away from metal surfaces as metal reduces connectivity.

For design purposes a 60ft. maximum distance is appropriate for most installations.

Dual Tech Ceiling Mounted Occupancy Sensor

Sensor Model: S-OD-S12-DFWH

