Occupancy Sensor

Model: S-OP-F12-DRNN

Specifications

- Sensor Type - PIR Occupancy Sensor
- Input Voltage - 12-24VDC
- Current Consumption - 50mA
- Max Power Consumption - 1.2W
- Mounting Height - 10’ (3m)
- Max Detection Area* - 12’ (3.66m) Diameter
- Operating Temperature - 22°F to 158°F (-30°C to 70°C)
- Storage Temperature - -40°F to 176°F (-40°C to 80°C)
- Relative Humidity - 90-95% non-condensing at 30°C
- Mounting - Recessed in Ceiling
- Dimensions - 2.68” diameter (68 mm)
- Warranty - 2 Years

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

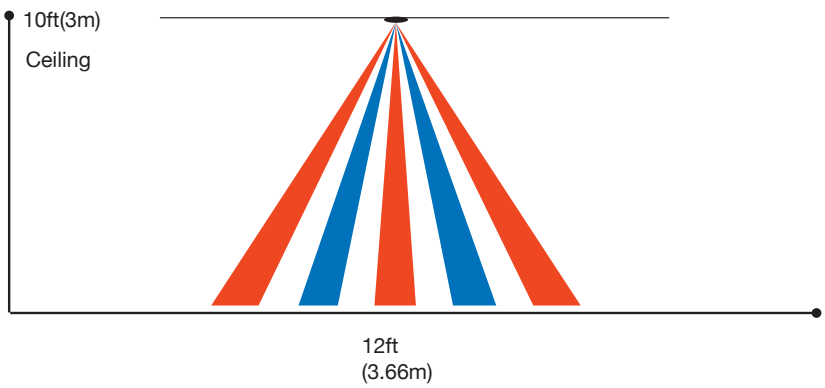
Description

The **Occupancy Sensor** is a recessed, mounted on-board luminaires with Passive Infrared (PIR) sensing capabilities. The sensor will automatically 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.

Detection Area (reference only)



Features

- PIR Sensor
- Photocell
- Bluetooth Mesh Qualified
- LED Motion Indicator
- 360° Coverage Pattern
- Program Occupancy/Vacancy
- Photocell for Ambient Light Detection
- Suitable for Indoor Use Only

Certifications

Installation

12-24VDC power needs to be supplied to the sensor from others, the auxiliary DC output of a BubblyNet Controller or one BubblyNet A-T03-12-17-DS00 3w AC/DC Transformer, neither included.

Connectivity

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

Typical maximum distance:

Outdoor (line of sight):	200ft
Indoor (through building material):	
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.