

Wireless PIR Ceiling Mount Sensor

Overview

- Passive infrared occupancy sensor
- Bluetooth® SIG mesh
- Ceiling Mount
- Mounting height up to 12Ft (3.6m)
- LED Motion indicator
- Conforms with DLC NLC5 Cybersecurity Standards



Suitable for indoor use only



Applications

PIR ceiling occupancy sensor (PSC-ND-I-CM-DC-BLE-CB) uses digital PIR Motion Detector Architecture and passive infrared (PIR) technology for improved detection coverage for ceiling mount applications.

The sensor is suitable for a variety of indoor applications. It supports ceiling mounts up to 12ft high. Both sensor and power pack are rated for use in temperatures ranging from -30° to 70°C and relative humidity from 90 to 95% at 30°C.

Accessories

Power Pack: The PSC-ND-I-CM-DC-BLE-CB operates on 12-24VDC input and requires a separate PacWave™ power pack.

See PacWave™ Power Pack data sheets.

Alternatively, the sensor can also operate with a driver that has an auxiliary output (12V).

Operation

CASAMBI® Mesh Controls: Qualified by Bluetooth SIG for its Bluetooth Mesh 1.0.1 specification, the sensor connects to a Bluetooth mesh network and is accessed via the CASAMBI® web portal or mobile app for initial design, setup and scheduling, as well as subsequent parameter adjustments.

See the CASAMBI® Commissioning User Manual for more information.

Summary

Sensor Type:
PIR occupancy sensor

Input Voltage | Current Consumption:
12-24 VDC | 50 mA

Mounting Height:
Ceiling mount up to 12ft (3.6m)

Max Sensor Range
37ft (11.3m) radius

Max Bluetooth Range¹:
100ft (30.4m)

Operating Temperature:
-30° C to 70°C

Storage Temperature:
-40° C to 80°C

Relative Humidity:
90-95% non-condensing

Color: White

Warranty: 5 years

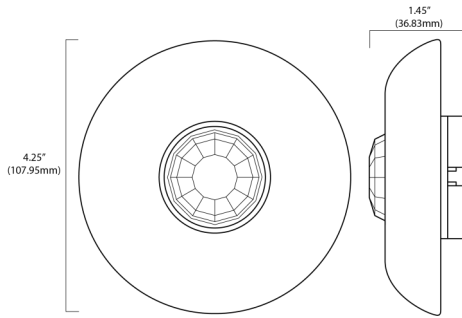
1. Bluetooth Range is highly dependent on the integration of fixtures, surrounding environment and conditions. It is recommended to conduct testing for Bluetooth range accuracy.

Project

Location/Type

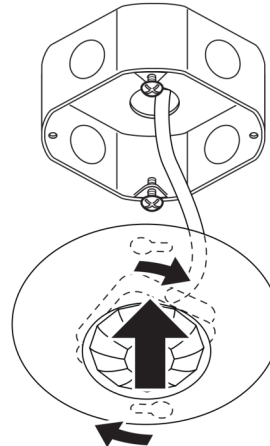


Physical Dimensions

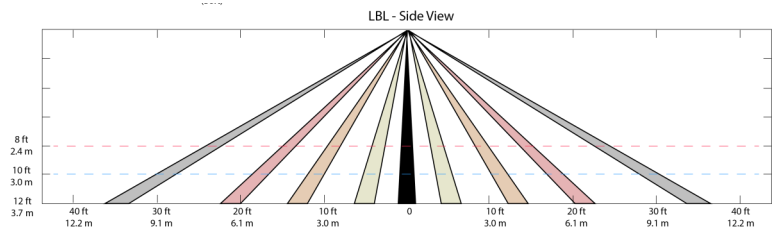
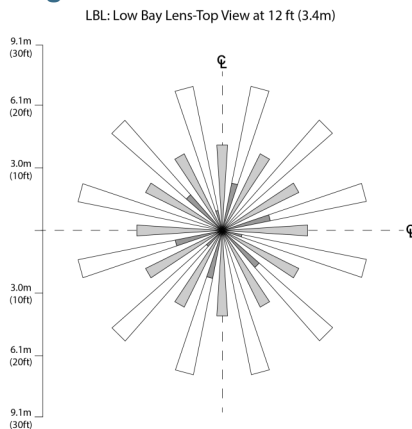


Drawings are Not to Scale

Installation



Coverage Pattern



Note: The application/absolute range of the sensor is subject to variation because of different types of clothing, backgrounds, and ambient temperature. Therefore, ensure *that* the lens is properly oriented along routes with expected traffic and conduct testing along those routes.

Wiring Diagram

