Open Protocol Lighting Controls

PSC-ND-I-CM-DC-BLE

Wireless PIR Ceiling Mount Sensor

Created By

McWong

Powered By **CASAMBI**

CE RoHS c(UL)us FC

Features & Benefits:

• Quad Element PIR sensor

• LED Motion indicator

• Active High/Low outputs for Relay drive

• Mounting height up to 12ft (3.6m).

• 360° coverage pattern

• Bluetooth add-on enables remote sensor programming with greater customization time delay

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Product Description

The PSC-ND-I-CM-DC-BLE uses digital PIR Motion Detector Architecture and Quad Element 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.

www.energiocontrols.com   sales@energiocontrols.com

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Specifications:

DC Input:
Voltage range: 12-24VDC | 25mA sensor (50mA w/ BLE)

Sensor Details:

High	Vin-2.5V 100mA source
Low	100mA sink current
Digital High	3.3VDC
Mounting Height	Ceiling mount up to 12ft (3.6m)
Max Range*	37ft (11.3m) radius
Max Bluetooth Range**	49 ~ 65ft (15 ~ 20m)
Time Delay	Varies
Photocell Sensitivity	NA
Operating Temperature	-30° C to 70°C
Storage Temperature	-40° C to 80°C
Relative Humidity	90-95% non-condensing at 30°C
Color	White

1.45"
(36.83mm)

4.25"
(107.95mm)
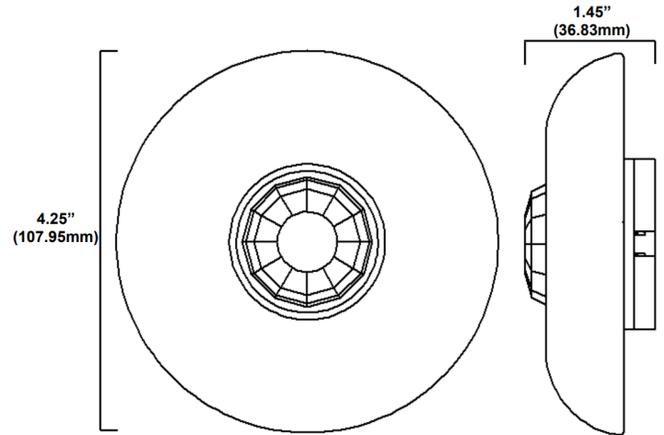
Note:
*The absolute range of the sensor is subject to variation because of different types of clothing, backgrounds, and ambient temperature. Therefore, ensure that the lens is properly oriented along routes with expected traffic and conduct testing along those routes. **Bluetooth Range is highly dependent on the integration of fixtures, surrounding environment and conditions. It is recommended to conduct testing for range accuracy.

Vin-2.5V 100mA source

100mA sink current

YLW — Control High

WHT — Control Low

BRN — GND

BLK — GND

Sensor

3.3VDC

PRP — Digital High

+V — RED

12-24V Power Source

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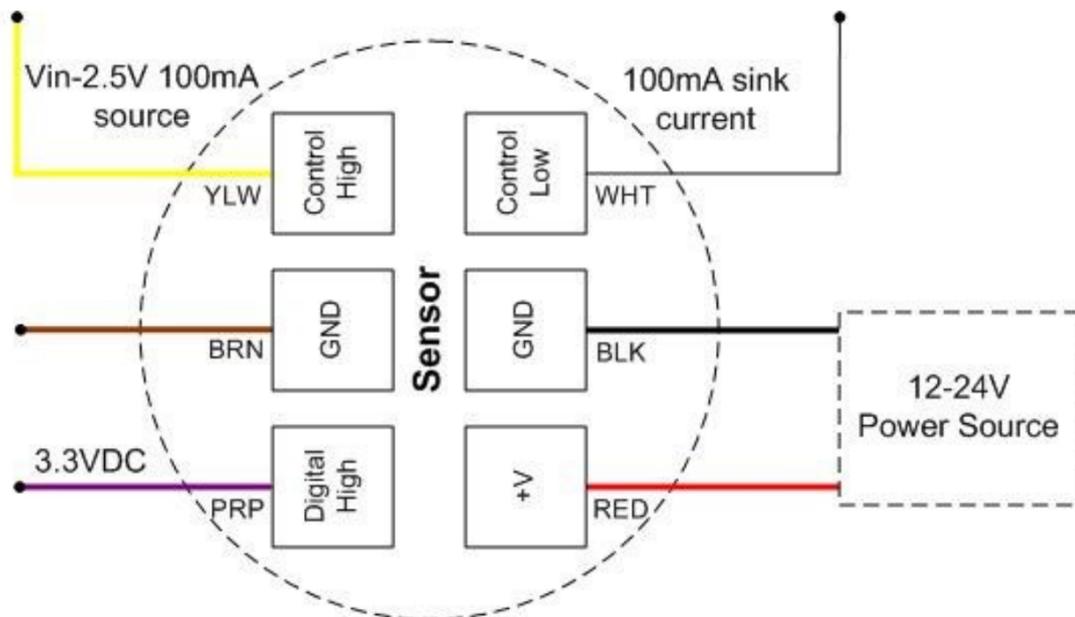
LBL: Low Bay Lens-Top View at 12 ft (3.4m)
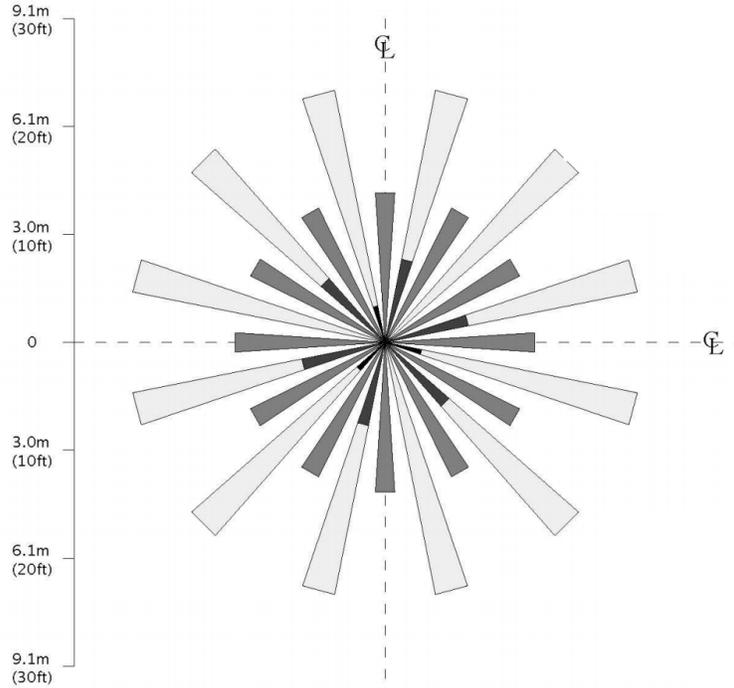
LBL - Side View
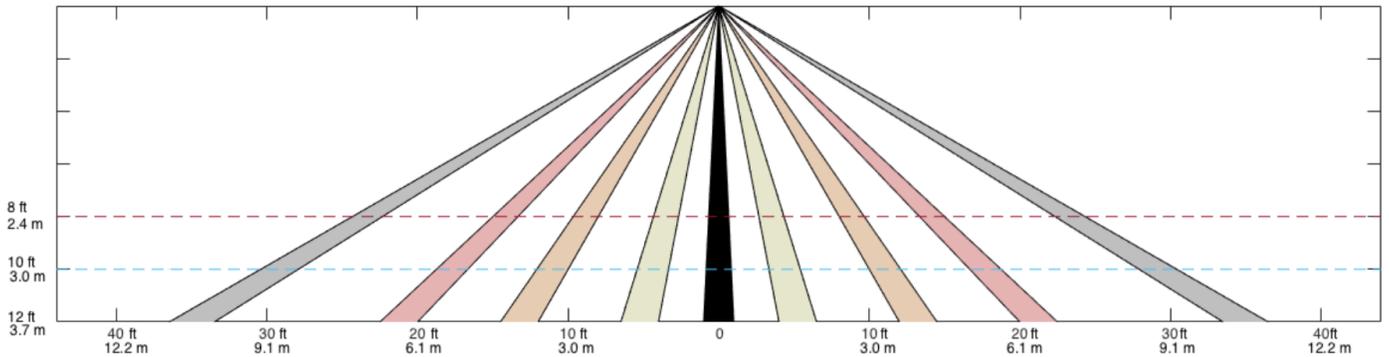
Ordering Information:

Part Number:	Description:
PSC-ND-I-CM-DC-BLE	Passive Infrared (PIR) Occupancy Sensor

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Energio controls