



APPLICATIONS

The BMS-M-PIR-IN-1-BLE-SR can accept universal input (120-277 VAC), uses the PIR Motion Detector Architecture and passive infrared (PIR) technology for improved detection coverage for high bay, and low bay applications.

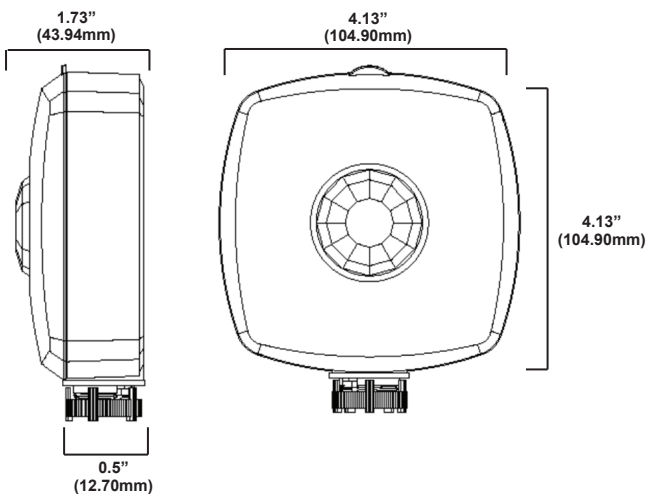
The BMS-M-PIR-IN-1-BLE-SR is a Class 2 Device designed to satisfy CA Title 24 requirements for bi-level dimming of lighting fixtures. The sensor will shut the light off with the high current relay built in.

The sensor is suitable for a variety of indoor applications. It supports fixture and ceiling mounts up to 40 ft (12.2 m) high. The sensor is rated for use in temperatures ranging from -30° to 60°C and relative humidity from 90 to 95% at 30°C.

OVERVIEW

- PIR sensor
- Input voltage: 120-277VAC, 50/60Hz
- Bluetooth® SIG mesh
- Photocell control, High-End Trim, Zoning, Continuous Bi-level Dimming
- Energy Monitoring and Scheduling with BlueMesh® Gateway
- LED Motion indicator
- Mounting height up to 40ft(12.2m)
- 360° coverage pattern
- Technology Partner SILVAIR

PHYSICAL DIMENSIONS



SUMMARY

Sensor Type:
PIR occupancy sensor

Input Voltage |
100-277VAC, 2W (no-load)

Max Load:
240 VA @ 120VAC, 2A E-Ballast
554 VA @ 277VAC, 2A E-Ballast
0-10V Output: 60 mA

Height:

Mounting Height:
Fixture or ceiling mount up to 40ft (12.2m)
Max Range¹:
40ft (12.2m) radius
Max Bluetooth Range²:
49 ~ 65ft (15 ~ 20m)

Operating Temperature:
30°C to 60°C (86°F-140°F)

Storage Temperature:
40°C to 80°C(104°F-176°F)

Relative Humidity:
90-95% non-condensing at 30°C

Color:
White

Note:

1. The application/absolute range of the sensor is subject to variation because of different types of clothing, backgrounds, and ambient temperature. It is recommended to conduct testing for range accuracy.
2. Bluetooth Range is highly dependent on the integration of fixtures, surrounding environment and conditions. It is recommended to conduct testing for range accuracy.

SENSOR OPERATION

BlueMesh® Controls:

Qualified by Bluetooth SIG for its Bluetooth Mesh 1.0.1 (SIG), the sensor can pair with an iOS application to allow initial setup and subsequent sensor adjustments. The mobile application enables adjustment of sensor parameters such as time delay, dim level, daylight detection, and more. Additionally, features such as parameter profiles, manual dim control, and real-time feedback from the sensor can speed up configuration and provide custom user control.

Bi-level Dimming:

0-10V dimmer connects to 0-10V control on the LED driver.

Relay Control:

High current relay built in for load control

See BlueMesh® Commissioning User Manual for more info

ORDERING INFORMATION

Example: BMS-S-PIR-IN-DC1-BLE-SR-SMO (plus a lens)

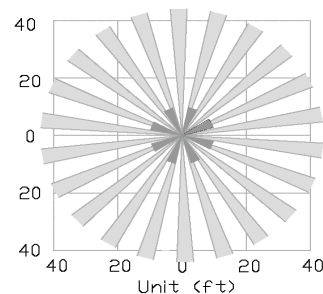
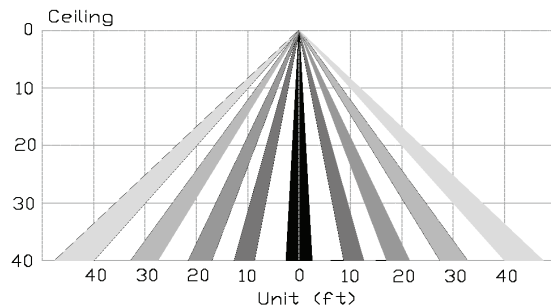
Model No.	Description	Input Voltage	Output
BMS-M-PIR-IN-1-BLE-SR	Passive Infrared (PIR) Occupancy Sensor w/Load Switch, Bluetooth Mesh in BlueMesh®	100-277VAC	0-10VDC (Dimming) 240VA @ 120VAC, 2A E-Ballast 554VA @ 277VAC, 2A E-Ballast
Add Suffix for options:	Add Suffix for options:		
LS01-LB-30FT	Low Bay Lens 8-30 ft Fresnel Lens, LBL		
LS01-HB-40FT	High Bay Lens 20-40 ft Fresnel Lens		

For Line to Low Voltage Power Supply/Controller, please check BlueMesh power pack.

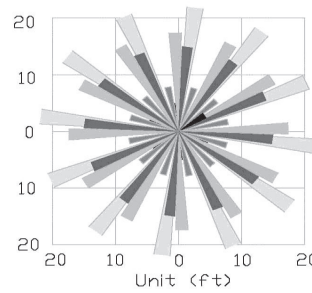
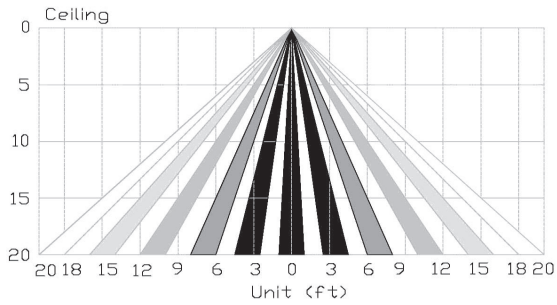
Design and specifications are subject to change without notice.

DETECTION AREA

HBL: High Bay Lens

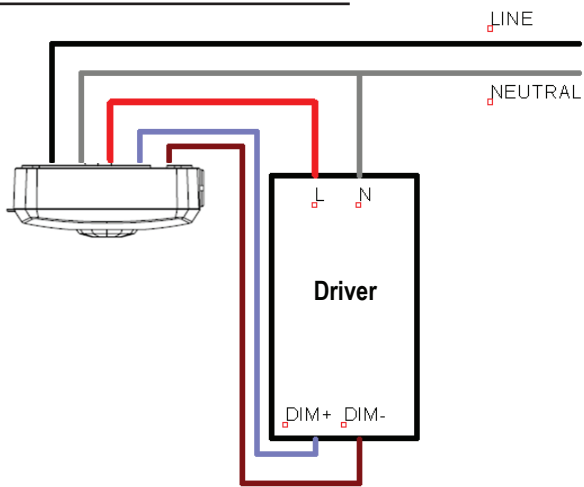


LBL: Low Bay Lens

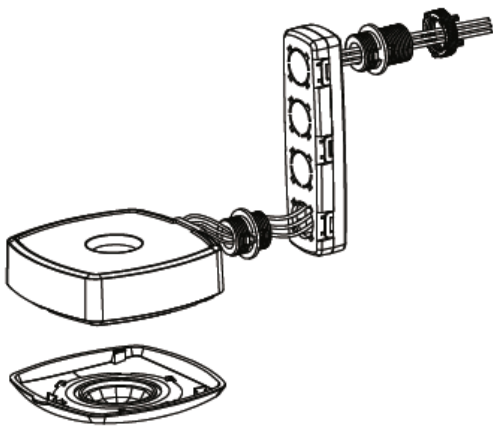


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WIRING DIAGRAM



Assembly



WARRANTY

Five year limited warranty.

Specifications subject to change without notice.