

PSC-ZKV-I-1X0-BLE-SR | Wireless PIR Motion Sensor w/ Connector

Overview

- PIR sensor
- Bluetooth® SIG mesh
- 0-10V Dimming output
- Photocell control, High-End Trim, Zoning, Continuous Bi-level Dimming
- Energy Monitoring and Scheduling with TruBlu™ Gateway
- Active High output for Relay drive
- Mounting height up to 40 ft (12.2 m)
- 360° coverage pattern
- Outdoor and Indoor rated
- Low Voltage Connector, match with PSC-ZKV-R01T, TE 2343403-1, and PSC-ZKV-R01L, Z10
- Technology Partner SILVAIR



*Receptacle not included



Summary

Sensor Type:
PIR sensor

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

0-10V Output: 30 mA

Active High: 3.6W

Mounting:
PSC-ZKV-R01T, TE 2343403-1
PSC-ZKV-R01L, Z10

Mounting Height:
40ft (12.2m)

Max Range¹:
40ft (12.2m) radius

Max Bluetooth Range²:
49 ~ 65ft (15 ~ 20m)

Operating Temperature:
-40° C to 70° C

Storage Temperature:
-40° C to 85° C

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

Color: Black / Dark Brown

Warranty: 5 years

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.

Applications

The PSC-ZKV-I-1X0-BLE-SR uses PIR motion detection architecture and passive infrared (PIR) technology for improved detection coverage.

The sensor is suitable for a variety of indoor and outdoor applications. It comes with Low Voltage Connector for mounting up to 40ft high. The sensor is IP 65 rated for use in temperatures ranging from -40° to 70° C.

This device can be powered by 12V auxiliary power from dim-to-off LED driver for east set-up and operation.

Wireless Control Operation

TruBlu™ Mesh Controls: Qualified for 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 bi-level dimmer connects to 0-10V control on the LED driver.

Relay Control: High control output can be used to trigger relays or other control circuitry.

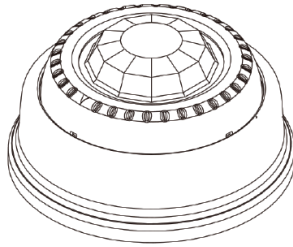
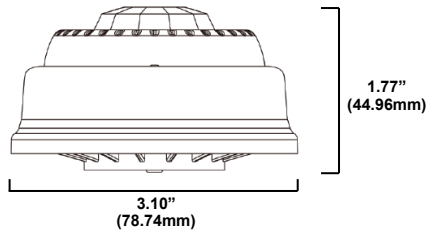
See TruBlu™ Commissioning User Manual for more info.

How to Order

Model No.	Description	Input Voltage	Output
PSC-ZKV-I-100-BLE-SR	PIR Motion Sensor, Bluetooth Mesh in TruBlu™, standard Brown Color	12-24VDC	Control High 0-10V Dimming
PSC-ZKV-I-110-BLE-SR	PIR Motion Sensor, Light Sensing, Bluetooth Mesh in TruBlu™, standard Brown Color	12-24VDC	Control High 0-10V Dimming
PSC-ZKV-I-100-BLE-SR-WT	PIR Motion Sensor, Bluetooth Mesh in TruBlu™, White Color	12-24VDC	Control High 0-10V Dimming
PSC-ZKV-I-110-BLE-SR-WT	PIR Motion Sensor, Light Sensing, Bluetooth Mesh in TruBlu™, White Color	12-24VDC	Control High 0-10V Dimming
PSC-ZKV-I-100-BLE-SR-BK	PIR Motion Sensor, Bluetooth Mesh in TruBlu™, Black Color	12-24VDC	Control High 0-10V Dimming
PSC-ZKV-I-110-BLE-SR-BK	PIR Motion Sensor, Light Sensing, Bluetooth Mesh in TruBlu™, Black Color	12-24VDC	Control High 0-10V Dimming

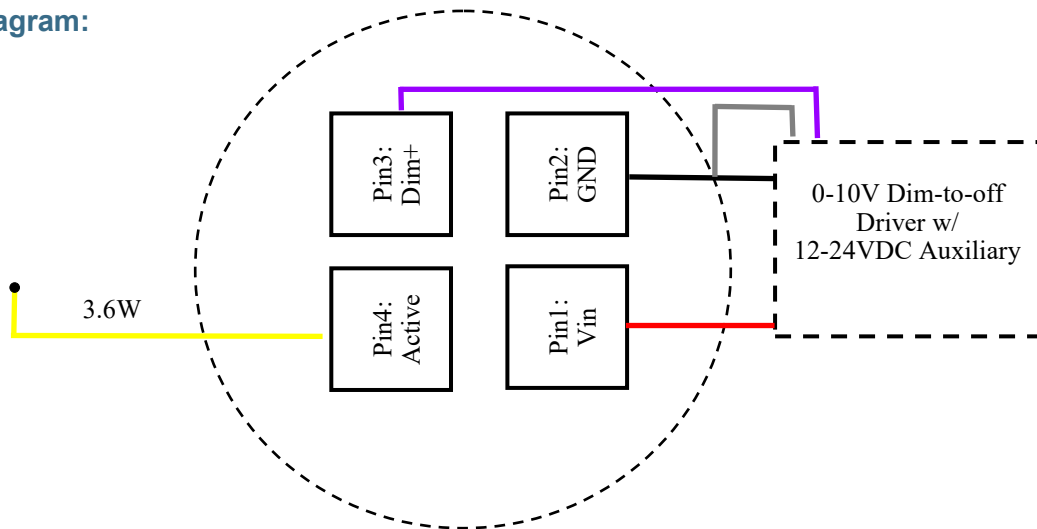


Physical Dimensions



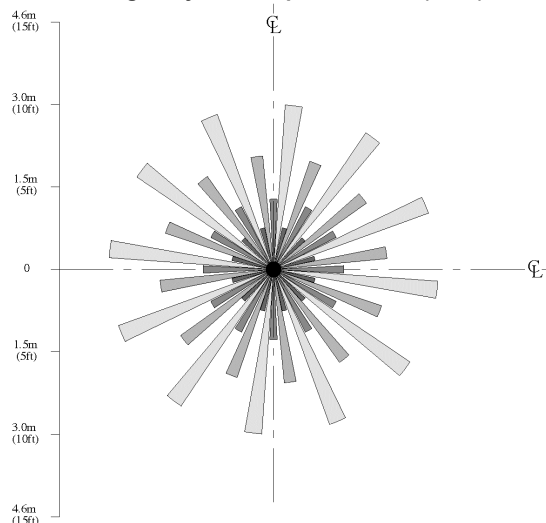
Drawings are Not to Scale

Wireless Block Diagram:



Detection Area

HBL: High Bay Lens-Top View at 8 ft (2.4m)



HBL - Side View

