DATA SHEET

Fixture Mounted Wireless Sensor-Controller

PSC-ZMV-I-11N-BLE-XI

Overview

Single Channel Sensor-Controller with 0-10VDC Dimming Output

Digital Passive Infrared (PIR) Sensor

Mounts to 1/2" Knockout (Light Fixture or Enclosure)

Bluetooth® Xicato Xmesh compatible

Sensor/Control Output (Active High) for Relay/Load Control

360° Sensor Coverage Pattern

Compact Design

Powered by 12 to 24 VDC

Features High / Low-End Trim Adjustment, Zoning & Continuous Dimming

Commissioning using Xicato Control Panel software

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Applications

The PSC-ZMV-I-11N-BLE-XI is a Single Channel Wireless Fixture mountable Sensor-Controller with active high output for relay control. The device includes a Passive Infrared occupancy sensor and integrated daylight sensor.

The controller mounts in a ½ inch knockout and secured by the included option clips or via the threaded body. The product includes a connector-based wiring harness to ease installation.

This device is controlled wirelessly via Bluetooth® mesh technology allowing for wireless dimming of luminaires. The compact size ensures minimal installation in a luminaire or enclosure.

Accessories

Power Pack: The PSC-ZMV-I-11N-BLE-XI operates on 12 to 24V DC input power and requires a separate power pack. Please contact Xicato for compatible options.

Alternatively, the unit can also operate with a driver that has an auxiliary power output (12 or 24V DC).

Operation

Xicato Xmesh™ controls provide a seamless Bluetooth based mesh control system for a room, floor, building or site. The controls system includes lights, switches, load controllers as well as gateways for easy integration with a BMS or other lighting control systems as well as cloud connectivity for remote monitoring and/or control.

Key features of Xicato's Xmesh™ controls system are auto-discovery of new devices making it easy to expand your system with both devices and capabilities after initial installation.

1-Channel: Outputs 0-10 dimming channel for driver control.

Relay Control: 10-22V DC active high output to control relays or other control circuitry.

Daylight Sensor: Features an integrated photocell for daylight harvesting control.

See the Xicato Controls Platform Manual for more information.

Specifications

Product Type:
Wireless PIR Sensor and Controller

Input Voltage | Current Consumption:
12 to 24V DC | 50 mA

0-10V DC Output: 30mA Current Sinking

Load Control Output: 10 to 22V DC 30mA Control Signal (Active High)

Mounting: Fixture or Enclosure (1/2" Knockout)

Mounting Height: 8 to 15ft (2.4 to 4.6m)

Max Sensor Range[1]: 15ft (4.6m) Radius

Max Bluetooth Range[2]: 100ft (30.4m)

Operating Temperature: -40°F to 158°F (-40°C to 70°C)

Storage Temperature: -40°F to 185°F (-40°C to 85°C)

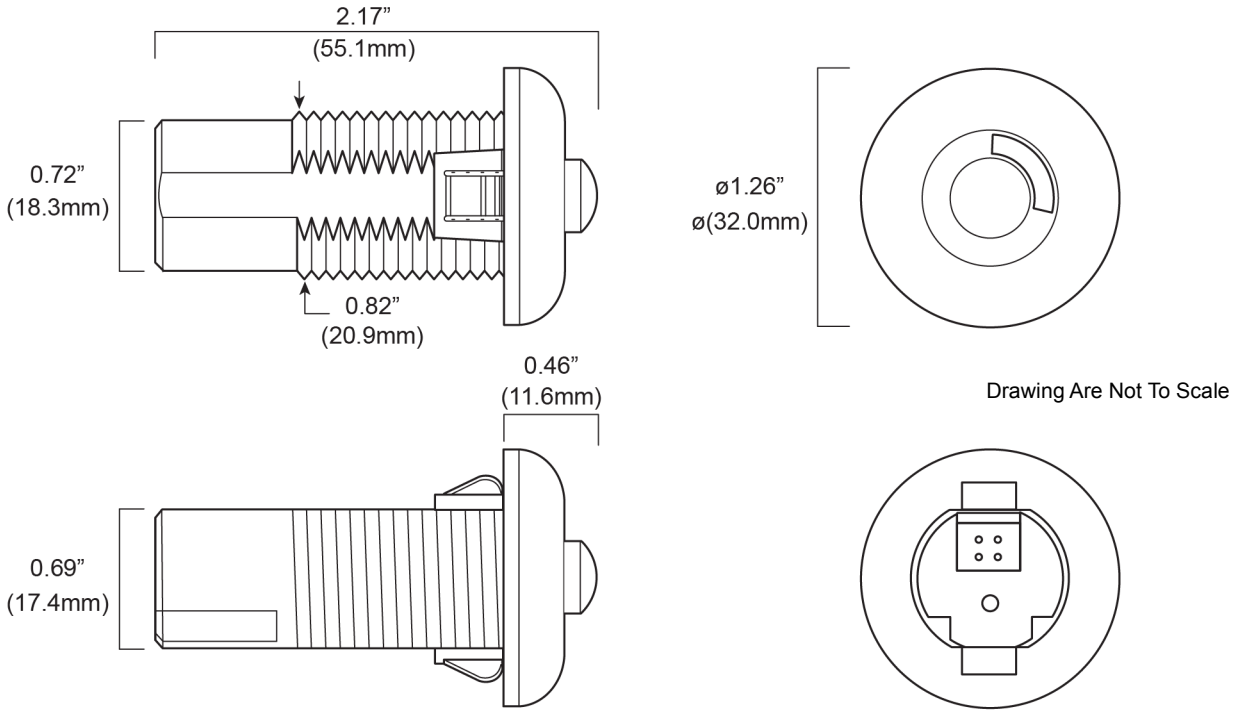
Relative Humidity: 90-95% non-condensing

Color: White

Warranty: 5 years

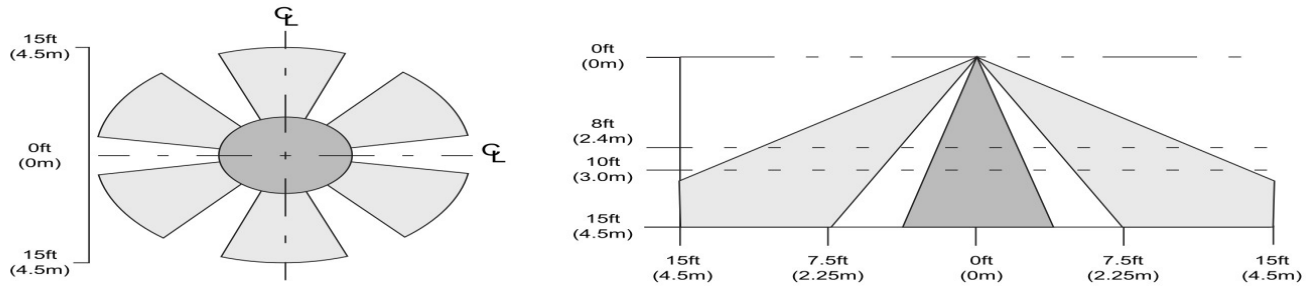
Note:
1. The application/absolute range of the sensor is subject to variation because of different types of clothing, backgrounds, and ambient temperature. It is recommended to conduct testing for range accuracy.
2. Bluetooth Range is highly dependent on the integration of fixtures, surrounding environment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

Physical Dimensions



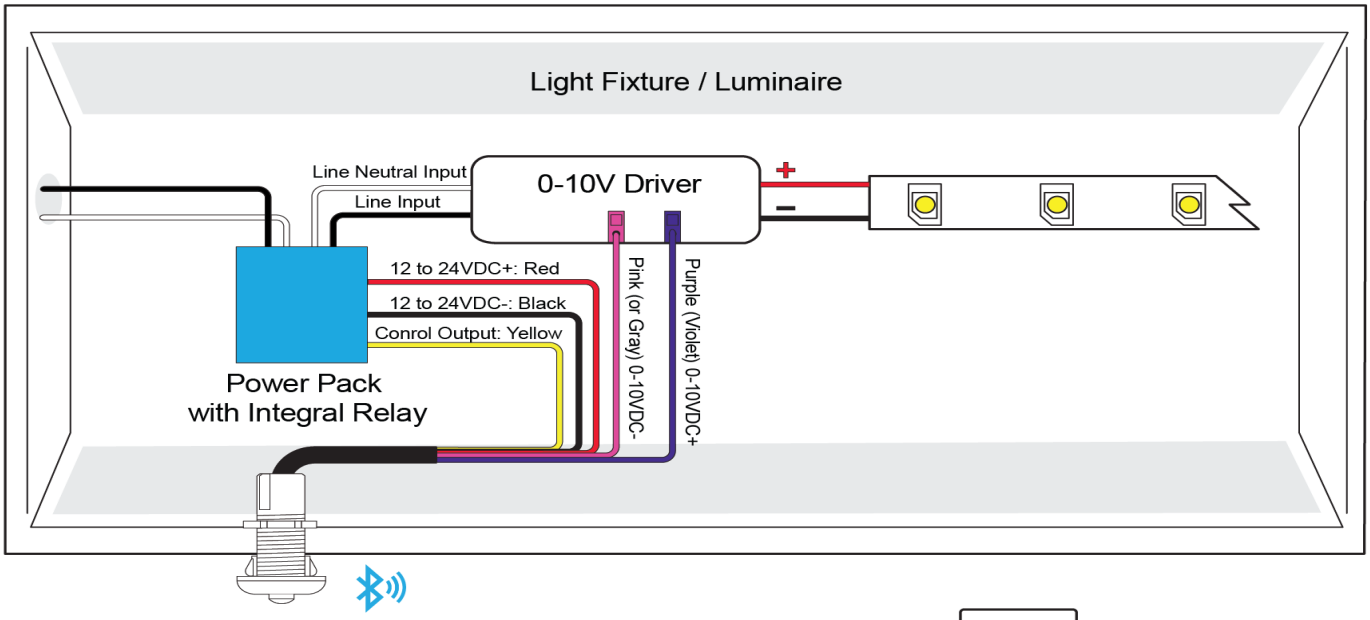
Drawing Are Not To Scale

PIR Sensor Pattern



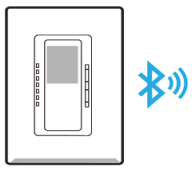
ZBD-I & ZMV-I sensor pattern

Example Application: Sensor-Controller Installed with 0-10V Driver and 12 to 24VDC Power Pack



ZMV Sensor-Controller

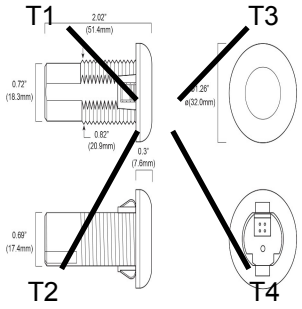
Drawings are not to scale



ZMV Sensor-Controller with 0-10V Driver and Power Pack

Sensor-Controller Wiring

T1	12-24VDC+ Power to Sensor-Controller	Red Wire (22AWG)
T2	12-24VDC- Power Common & 0-10VDC– Dimming Common	Black Wire (22AWG)
T3	0-10VDC+ Dimming Output	Purple/Violet Wire (22AWG)
T4	10-22VDC Load Control Output (Active High)	Yellow Wire (22AWG)



How To Order

PSC-ZMV-I-11N-BLE-XI	Fixture integrate-able Wireless Sensor-Controller with 0-10V Dimming, Occupancy and Daylight sensing Xicato Xmesh™ Compatible, WhiteFinish	12-24VDC	Control High 0-10V Dimming

Design and specifications are subject to change without notice.