Xicato®

Fixture Mounted Wireless 0-10V Dimming Controller
PSC-ZMV-WCM-100-BLE-XI

Overview

Single Channel Controller with 0-10VDC Dimming Output

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

c (UL) us LISTED E341446   FC   CE   Bluetooth®

Applications

The PSC-ZMV-WCM-100-BLE-XI is a Single Channel Wireless Fixture mountable Controller with active high output for relay control.

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.

See the Xicato Controls Platform Manual for more information.

Specifications

Product Type:
Single Channel Wireless Fixture 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)

Max Bluetooth Range[1]: 100ft (30.4m)
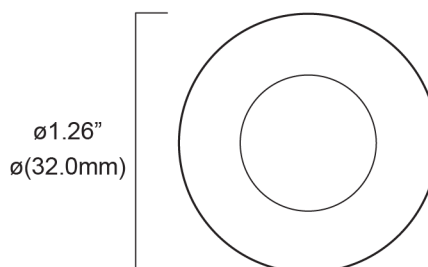
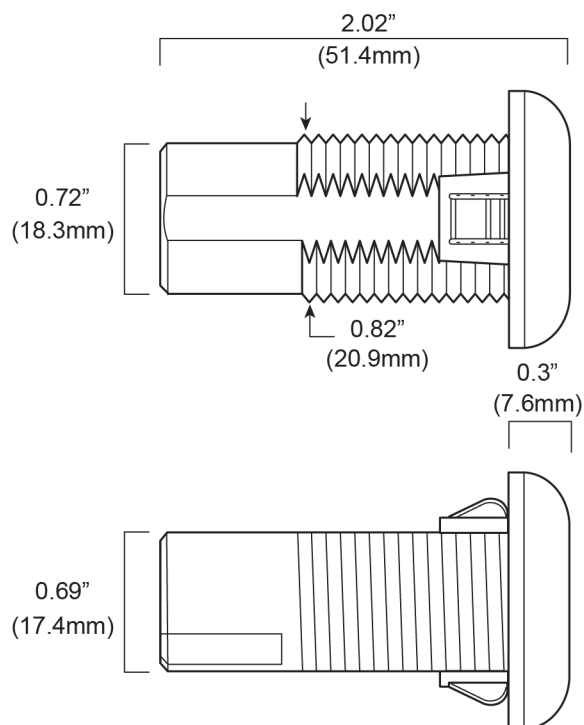**Operating Temperature:** -40°F to 158°F (-40°C to 70°C)

Storage Temperature: -40°F to 185°F (-40°C to 85°C)
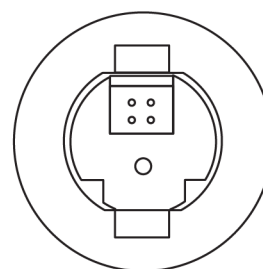
Relative Humidity: 90-95% non-condensing

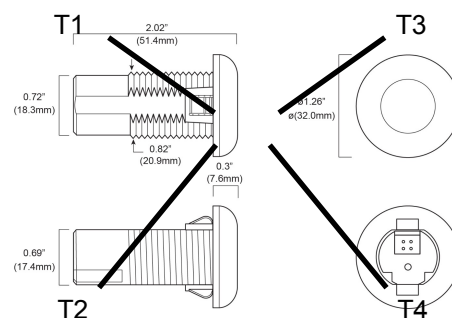**Color**: White

Warranty: 5 years

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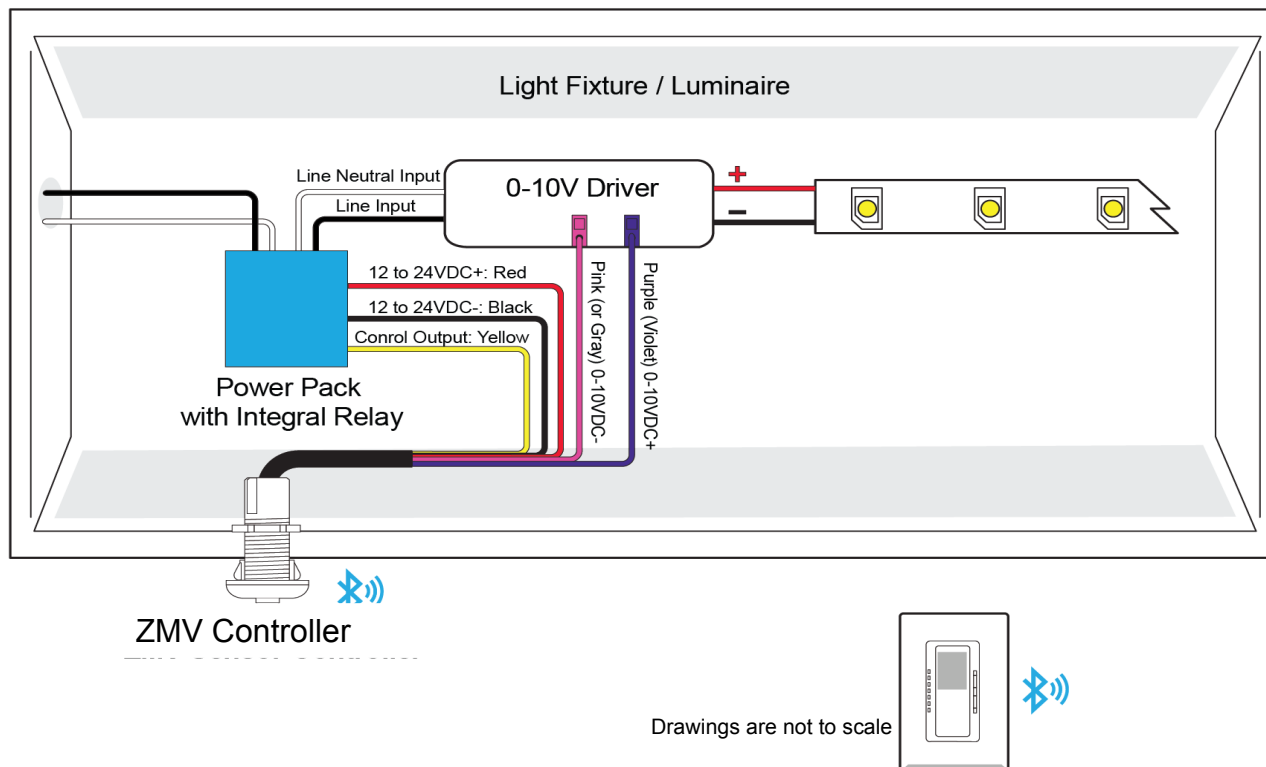
Physical Dimensions

2.02"
(51.4mm)

0.72"
(18.3mm)

0.82"
(20.9mm)

0.3"
(7.6mm)

0.69"
(17.4mm)

ø1.26"
ø(32.0mm)

Drawing Are Not To Scale

Controller Wiring

T1	12-24VDC+ Power To 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)

![Xicato logo]

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

Light Fixture / Luminaire

0-10V Driver

Line Neutral Input
Line Input

12 to 24VDC+: Red
12 to 24VDC-: Black
Conrol Output: Yellow

Pink (or Gray) 0-10VDC-
Purple (Violet) 0-10VDC+

Power Pack
with Integral Relay

ZMV Controller

Drawings are not to scale

ZMV Controller with 0-10V Driver and Power Pack

Controller Wiring

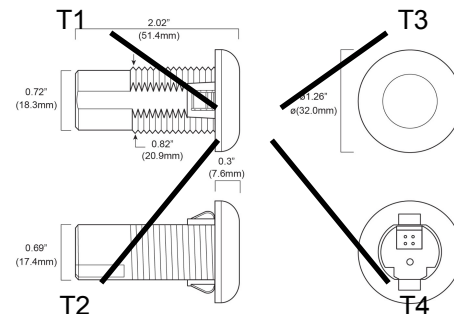|		
T1	12-24VDC+ Power to Sensor-Controller	Red Wire (22AWG)
T2	12-24VDC- Power Common & 0-10VDC– Dimming Common	Black Wire (22AWG)
T3	0-10VDC+ Dimming Output	Purple/Violet Wire (22AWG)
T4	10-22VDC Load Control Output (Active High)	Yellow Wire (22AWG)

T1
T3
T2
T4

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How To Order

PSC-ZMV-WCM-100-BLE-XI	Fixture integrate-able Wireless Controller with 0-10V Dimming, Xicato Xmesh™ Compatible, WhiteFinish	12-24VDC	Control High 0-10V Dimming

Design and specifications are subject to change without notice.