

PSC-WCM-50-BLE-CB

Created By

0-10V Dimmer

Powered By



Features & Benefits:

- 1 Channel 0-10VDC Dimming
- Mounts In Fixture
- Casambi Wireless Mesh
- High-End Trim, Zoning, Continuous Dimming
- 10-22 VDC Load Control Output (active high)
- Active High Output For Relay Drive
- ioXt Alliance Cybersecurity Certification



Product Description

The PSC-WCM-50-BLE-CB Wireless Fixture Controller allows for one channel of 0-10 dimming and load control output (active high). PSC-WCM-50-BLE-CB is controlled wirelessly via Casambi Mesh technology allowing for wireless dimming of LED lighting. The controller communicates with other devices such as switches and The device outputs a 0-10V dimming signal to compatible drivers (and controls dim-to-off products) as well as a 10- 22VDC control signal (active high). This control signal can be used to control other devices such as power packs. The compact size allows for seamless integration in the fixture.

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Operation

Casambi Wireless Mesh Controls:

The controller connects to a Low Energy (BLE) wireless mesh network via a mobile app, available as iOS or Android, to allow initial setup and subsequent parameters adjustments.

User Interface: Mobile app features include: setup, control real time feedback, and scheduling without a gateway or internet access.

1-Channel Dimming: allows for one 0-10 dimming channel for driver control.

Relay Control: Load control output (active high) can be used to trigger relays or other control circuitry.

See the mwConnect Casambi Commissioning User Manual for more information.

Summary

Product Type:
1-Channel Fixture Controller

Input Voltage | Current Consumption:
12-24 VDC | 40 mA

0-10V Output 30 mA

Load Control Output: Active High
Vin-2.5 V, 30mA source for sensor or relay

Mounting: Fixture Mount

Max Wireless Range¹:
100ft (30.4m)

Operating Temperature:
-30° C to 70° C

Storage Temperature:
-40° C to 80° C

Relative Humidity:
90-95% non-condensing

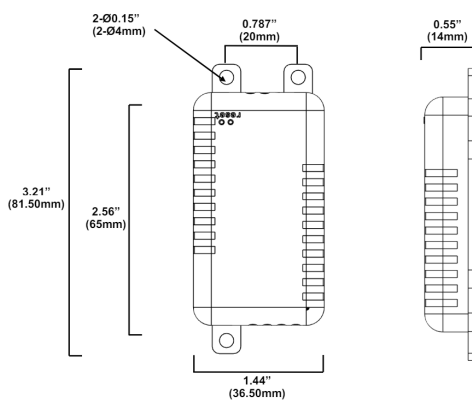
Color: White

Warranty: 5 years

Note:

1. Wireless Range is highly dependent on the integration of fixtures, surrounding environment and conditions. It is recommended to conduct testing for range accuracy.

Physical Dimensions



Wire	Designation	Notes	Size
Black	12VDC- Power Output	Power Input	#18 AWG, 180+/-20mm, Strip 10mm Tin Plated
Red	12VDC+ Power Output	Power Input	
Purple (Violet)	0-10V+ Dim Output	Luminaire Control Output	#22 AWG, 180+/-20mm, Strip 10mm Tin Plated
Pink/Gray	0-10V- Dim Output	Luminaire Control Output	
Yellow	10-22VDC Control Output	Output for Controlling Power Pack or Similar Devices (Active High)	