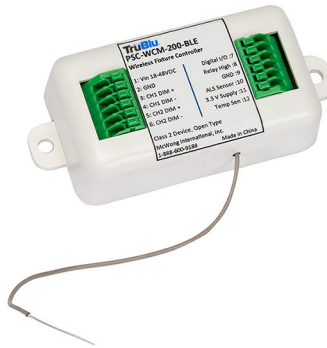## PSC-WCM-100/200(-EC)-BLE-SR | Wireless Fixture Controller Tunable White

Overview

- Bluetooth® SIG mesh
- 2 Channels of 0-10 Dimming
- Active High output for Relay drive
- High-End Trim, Zoning, Continuous Bi-level Dimming
- Energy Monitoring and Scheduling with TruBlu™ Gateway
- 48V Supply selectable
- Technology Partner SILVAIR

Suitable for Indoor Use Only

Applications

The 2 Channels Wireless Fixture Controllers allow for two channels of 0-10 dimming, active high relay control, and has a general purpose I/O. These controllers are controlled wirelessly via Bluetooth® Mesh technology allowing for wireless dimming of LED lighting. The compact size allows for seamless integration to the fixture.

Alternate input voltages are available for voltages rated 18-48V.

Wireless Control Operation

TruBlu™ Mesh Controls: Qualified for Bluetooth Mesh 1.0.1 (SIG), the device can pair with an iOS application to allow initial setup and subsequent adjustments. End users can program dimming levels and group multiple controllers into a Bluetooth® Mesh system for simultaneous wireless lighting control.

2 Channel Dimming: allows for two 0-10 dimming channels for driver control. These controllers allow for color temperature mixing of the two color white

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

See TruBlu™ Commissioning User Manual for more info.

Accessories

Power Pack: The PSC-WCM-100/200(-EC)-BLE-SR operate on 12-24VDC/18-48VDC input and require a separate power pack such as the PacWave™ PSC-AC-PP-200/400/700C/800/900.

Alternatively, the unit can also operate with a driver that has an auxiliary output (12V) or high voltage 18-48 VDC.

Summary

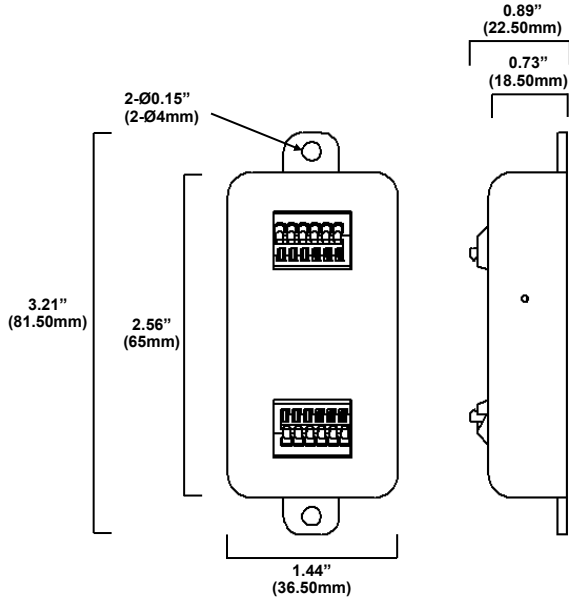|	
Product Type:	Wireless Fixture Controller
Input Voltage | Current Consumption:	12-24 / 18-48 VDC | 100 mA
0-10V Output (x2): 100 mA	
High: 12VDC	
Mounting:	Fixture mount
Max Bluetooth Range[1]:	49 ~ 65ft (15 ~ 20m)
Operating Temperature:	-30° C to 70°C
Storage Temperature:	-40° C to 85°C
Relative Humidity:	90-95% non-condensing at 30°C
Color: White	
Warranty: 5 years	

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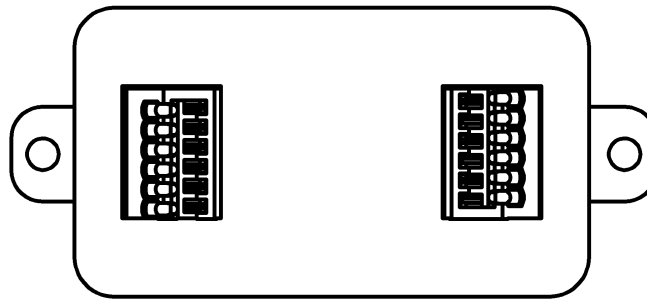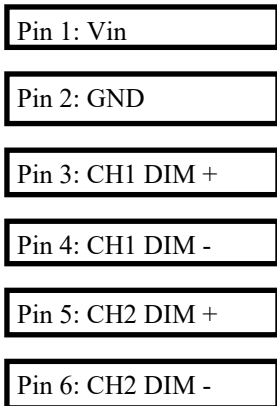
How to Order

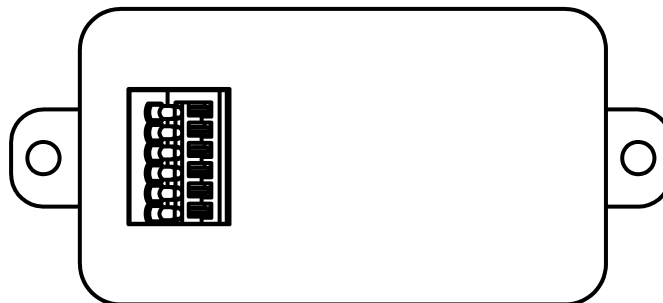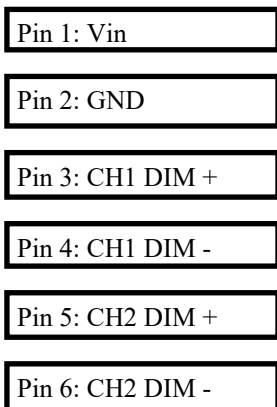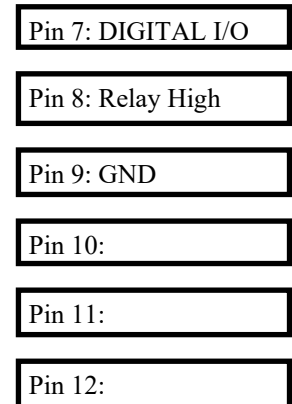| Model No.	Description	Input Voltage	Output
PSC-WCM-200-BLE-SR	HV Wireless Fixture Controller, Tunable White, Bluetooth Mesh in TruBlu™	18-48 VDC	0-10 VDC x2 Control High
PSC-WCM-200-EC-BLE-SR	HV Wireless Fixture Controller, Tunable White, Bluetooth Mesh in TruBlu™	18-48 VDC	0-10 VDC x2
PSC-WCM-100-BLE-SR	Wireless Fixture Controller, Tunable White, Bluetooth Mesh in TruBlu™	12-24 VDC	0-10 VDC x2 Control High
PSC-WCM-100-EC-BLE-SR	Wireless Fixture Controller, Tunable White, Bluetooth Mesh in TruBlu™	12-24 VDC	0-10 VDC x2

Physical Dimensions

0.89"
(22.50mm)

0.73"
(18.50mm)

2-Ø0.15"
(2-Ø4mm)

3.21"
(81.50mm)

2.56"
(65mm)

1.44"
(36.50mm)

Drawings are Not to Scale

Wiring Diagram

Pin 1: Vin

Pin 2: GND

Pin 3: CH1 DIM +

Pin 4: CH1 DIM -

Pin 5: CH2 DIM +

Pin 6: CH2 DIM -

Pin 7: DIGITAL I/O

Pin 8: Relay High

Pin 9: GND

Pin 10:

Pin 11:

Pin 12:

PSC-WCM-100-BLE-SR / PSC-WCM-200-BLE-SR

Pin 1: Vin

Pin 2: GND

Pin 3: CH1 DIM +

Pin 4: CH1 DIM -

Pin 5: CH2 DIM +

Pin 6: CH2 DIM -

PSC-WCM-100-EC-BLE-SR / PSC-WCM-200-EC-BLE-SR

Wireless Block Diagram:

Pin6: 0-10(-)

Pin5: 0-10(+)

0-10V Driver Dimming Wires

Pin4: 0-10(-)

Pin3: 0-10(+)

0-10V Driver Dimming Wires

Pin9: GND

Pin2: GND

V+ - 2.5 100mA Source

Pin8: Control High

12-18V/18-48V Power Source

Pin7: I/O

Pin1: Vin
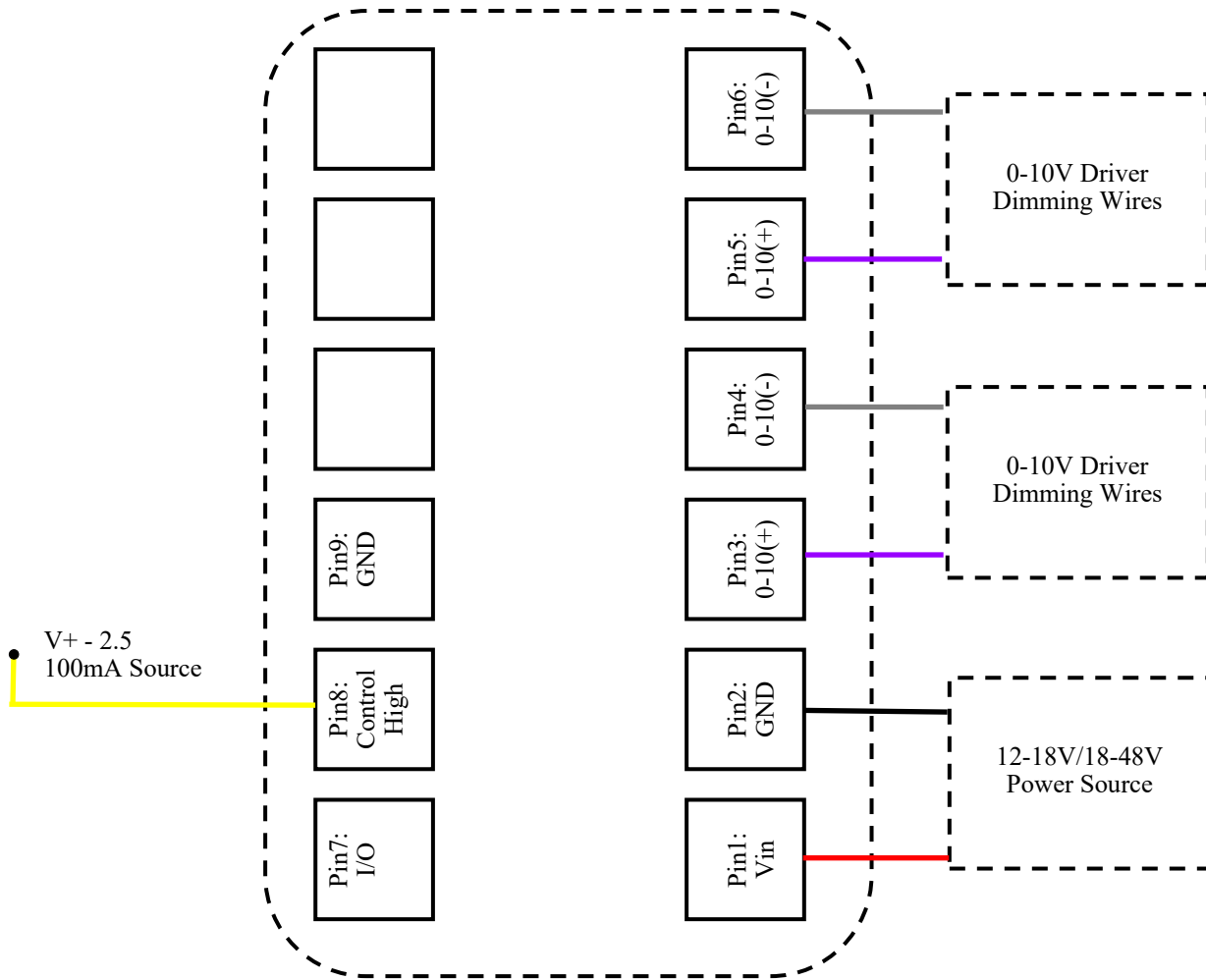
Design and specifications are subject to change without notice.