

PSC-WCM-50-XX | Single Channel Wireless Fixture Control Module

Overview

- 1 Channel of 0-10 Dimming
- Active High Output
- Bluetooth Mesh Enabled



Applications

The PacWave™ Wireless Fixture Controller allows for one channel of 0-10 dimming, high relay control, and is made to fit into a Bluetooth mesh system. This unit is controlled wirelessly via Bluetooth® Mesh module allowing for wireless dimming of LED lighting and seamless integration of Bluetooth® Mesh software solutions. The small physical size allows for this unit to be placed within the fixture.

Wireless Control Operation

End users can program dimming levels and group multiple controls into a Bluetooth® Mesh system for simultaneous wireless lighting control.

1 Channel Dimming: allows for one 0-10 dimming channel for driver control. The controller allows for Bluetooth® Mesh system pairing with Bluetooth® Mesh system providers.

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

Accessories

Power Pack: The PSC-WCM-50-EC-XX operates on 12-24VDC input and requires a separate power pack such as the PacWave™ PSC-AC-PP-200/300/400/700C.

This power pack incorporates a high current relay and a high voltage transformer which can accept universal input (100-305VAC).

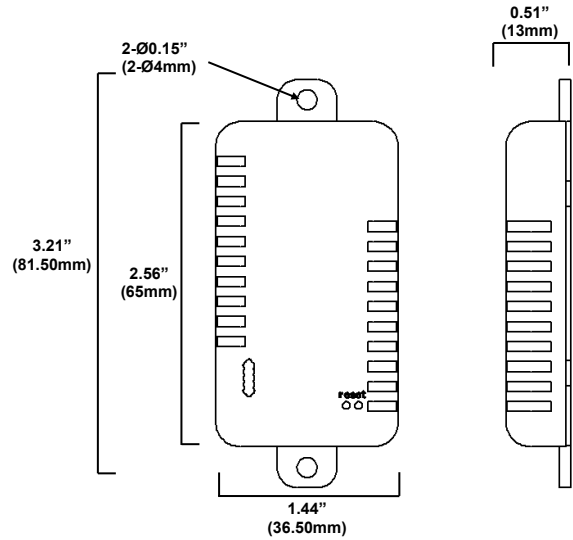
How to Order

Model No.	Description	Input Voltage	Output	Input
PSC-WCM-50	Wireless Fixture Controller Module	12-24VDC	Control High 0-10V Dimming	NA
PSC-AC-PP-200	Dimming Power Pack for Fixture Mount	100-277VAC	12.5VDC	
PSC-AC-PP-700C	Power Pack for Fixture Mount	100-277VAC	12.5VDC	
PSC-AC-PP-400	Power Pack for Fixture Mount no Relay	100-277VAC	12.5VDC	
Add Suffix for options:				
-BLE	For PacWave Standalone Bluetooth Enabled Version			
-BLE-SR / -BLE-FSR	For Bluetooth Mesh in TruBlu™ Enabled Version / For Bluetooth Mesh in Future-Silvair Enabled Version			
-BLE-CB	For Bluetooth Mesh in Casambi Enabled Version			

e.g. **PSC-WCM-50-BLE-SR** : with [Bluetooth Mesh in TruBlu™ Enabled Version](#)

Summary	
Product Type	Wireless BLE Fixture Controller
Input Voltage	12-24 VDC
0-10V Dimming	100 mA sink, up to 50 LED source drivers
High	Vin-2.5 V 100 mA source
Sensor Input	NA
Max Bluetooth Range*	49 ~ 65ft (15 ~ 20m)
Operating Temperature	-40° C to 85°C
Storage Temperature	-40° C to 85°C
Relative Humidity	90-95% non-condensing at 30°C
Mounting	Fixture or ceiling mount
Color	White

Physical Dimensions



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

Drawings are Not to Scale

Wireless Controller Block Diagram:

