

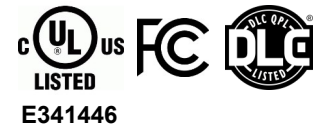
Ingy Mesh Wireless Single Channel Fixture Controller

Overview

- 1-Channel 0-10VDC Dimming
- Mounts In Fixture
- Compatible with Ingy Wirepas Mesh Systems
- High-End Trim, Zoning, Continuous Dimming
- 10-22 VDC Load Control Output (active high)



Suitable For Indoor Use



Applications

The PSC-WCM-50-WPS-NG Wireless Fixture Controller allows for one channel of 0-10 dimming and load control output (active high).

PSC-WCM-50-WPS-NG is controlled wirelessly via Wirepas Mesh technology allowing for wireless dimming of LED lighting. The controller communicates with other devices such as switches and sensors via the wireless mesh network. 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.

Accessories

Power Pack: The controller operates on 12-24 VDC input and requires a separate mwConnect PacWave™ power pack. See mwConnect PacWave™ Power Pack data sheets.

Alternatively, the unit can also operate with a driver that has an auxiliary output (12-24VDC).

Operation

Ingy Wirepas Mesh: The controller is compatible with a Wirepas mesh network and configured via Ingy software.

1-Channel: Allows for one 0-10V dimming channel for driver control.

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

See the Ingy Commissioning User Manual for more information.

Summary

Product Type:
1-Channel Wireless 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, 40mA 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

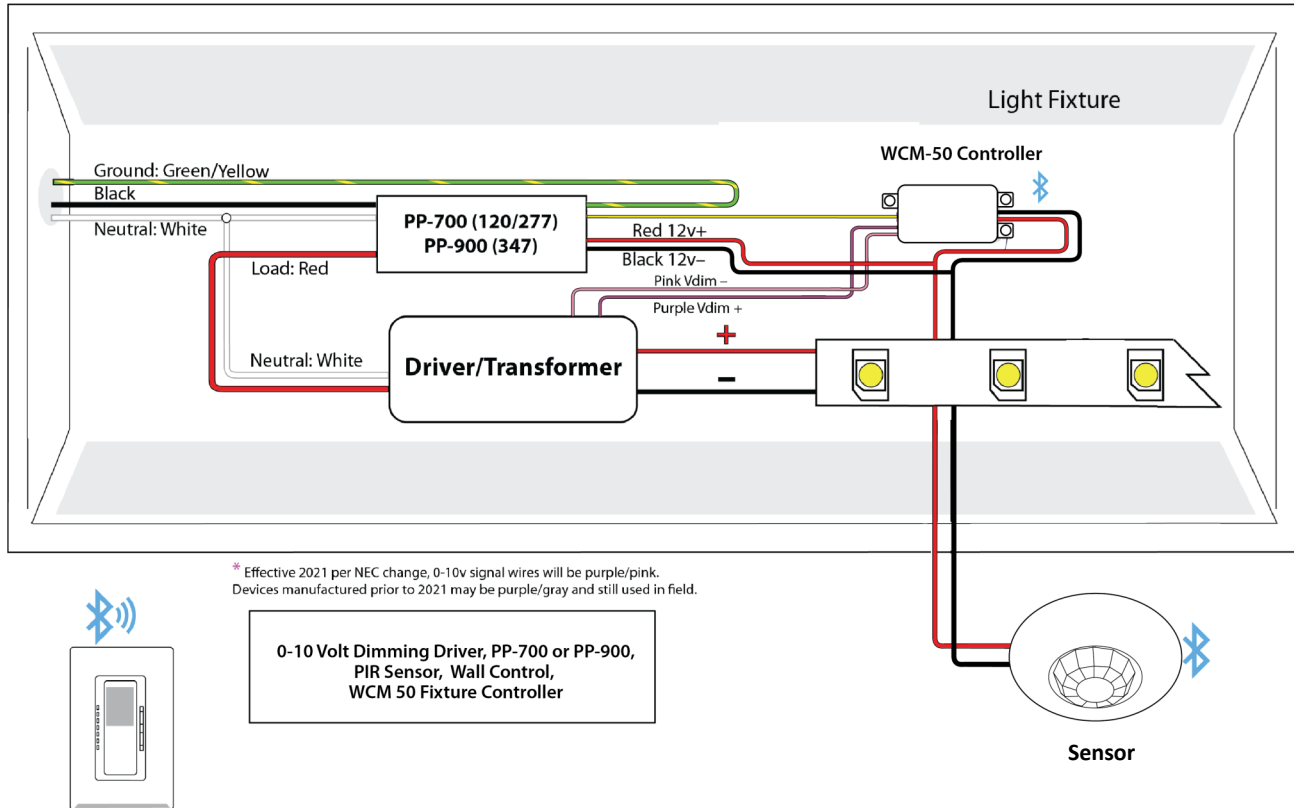
Note:

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

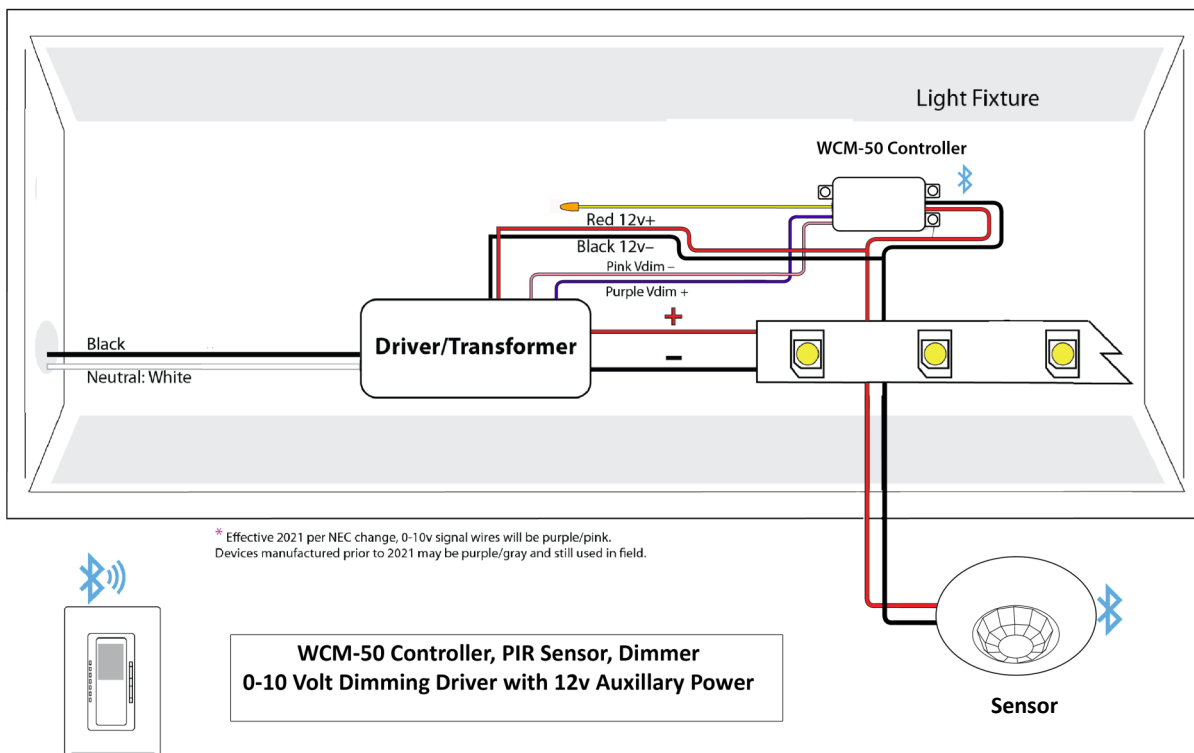
Project

Location/Type

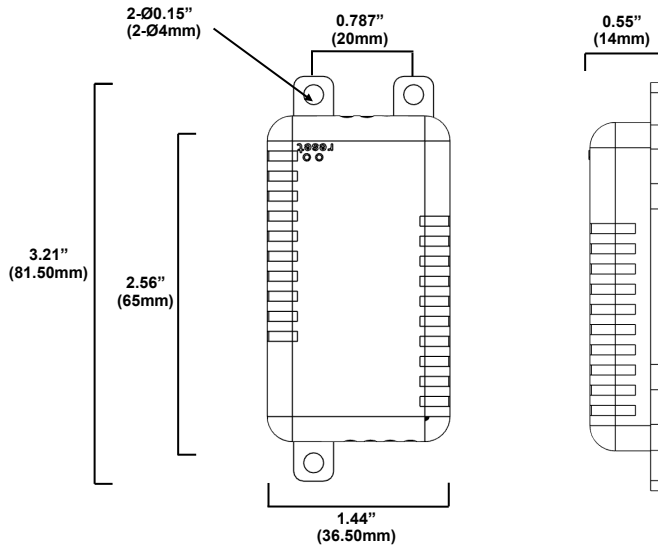
Wiring Example Application: Controller With PP-700 Or PP-900 Power Pack



Wiring Example Application: Controller With Dim To Off Driver-12VDC Auxiliary Power



Physical Dimensions



Drawings Are Not To Scale

Wiring Table

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)	

How to Order

Model No.	Description	Input Voltage	Output
PSC-WCM-50-WPS-NG	Ingy Wirepas Mesh Wireless Fixture Controller, Single Channel	12-24 VDC	0-10VDC,30mA & Control Output

Design And Specifications Are Subject To Change Without Notice.