

# 120-277VAC 12VDC Power Pack with Integral Relay

## Overview

- Self-Contained Power Supply with Integral Relay
- 12VDC Auxiliary Output Power for Devices
- Rated for Switching Loads up to 2A
- Mounts in Luminaire/Fixture or Electrical Box
- Line Voltage Input (120-277 VAC)
- Normally Open Switching Relay with Zero-Crossing
- Sensor/Control Input (Active High) for Relay/Load Control



## Applications

The PSC-AC-PP-700C Power Pack incorporates a line voltage transformer that can accept universal input (120~277VAC) and outputs 12VDC. Tabs allow for easy surface mounting in light fixture or electrical enclosure.

The device is ideal for LED drivers that do not have auxiliary output power for sensors or similar control devices. Typical applications include powering lighting controls in classrooms, conference rooms, and offices.

## Operation

The PSC-AC-PP-700C universal voltage power pack provides 12VDC to power occupancy sensors and other similar fixture controller devices.

The Power Pack receives a control input signal (active high) from a sensor or similar device that controls the integral 2A normally open relay.

Low voltage wires are in heat shrink tubing as a barrier from line voltage wiring (UL approved).

## Summary

Product Type: Low Voltage Power Pack with Integral Relay

Input Voltage | Current Consumption:  
120V-277VAC, 50/60Hz | 30mA

Auxiliary Power Output:  
12VDC, 100mA

Load Control Input: Active High  
10-24VDC, 30mA

Max Load Rating:  
240VA @ 120VAC, 2A  
554VA @ 277VAC, 2A  
E. Ballast, LED, CFL

Mounting: Surface Mount to Luminaire/  
Fixture or Electrical Enclosure

Max Case Temperature: 195°F (90°C)

Operating Temperature:  
-4°F to 158°F (-20°C to 70°C)

Storage Temperature:  
-40°F to 176°F (-40°C to 80°C)

Relative Humidity:  
90-95% non-condensing

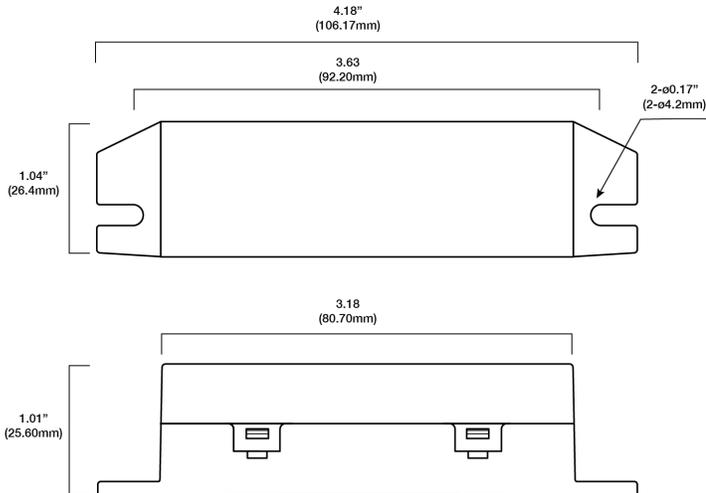
Color: Black

Warranty: 5 years

Project

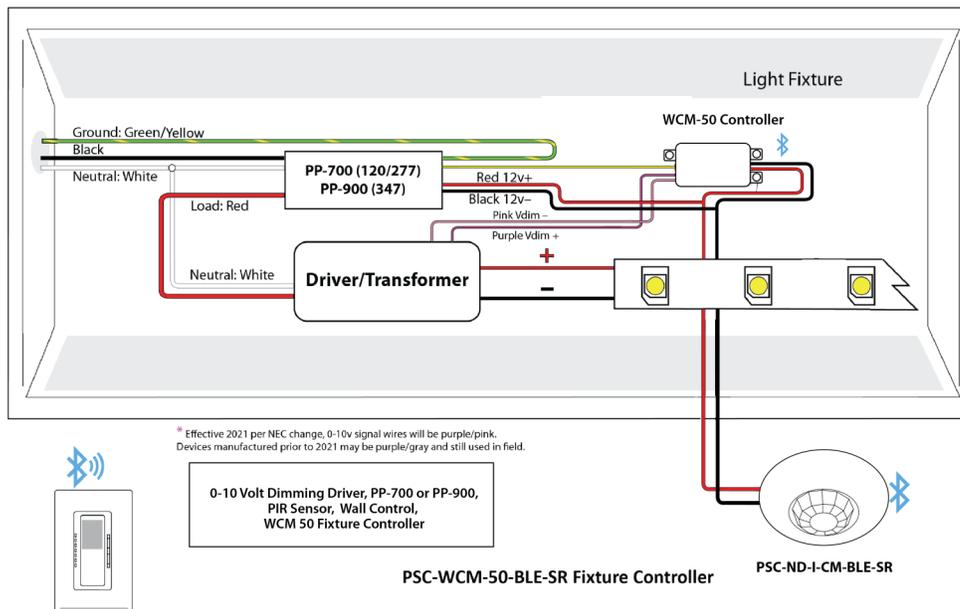
Location/Type

### Physical Dimensions



Drawings Are Not To Scale

### Wiring Diagram



### Wiring Table

Wire	Designation	Notes	Size
Black	120-277VAC Line Input	Connect to Line Power	#18 AWG, 180+/-10mm, Strip 10mm Tin Plated
White	120-277VAC Neutral Input	Connect to Neutral Power and Luminaire Power Input	
Red or Blue	120-277VAC Load Output	Connect to Luminaire Power Input	
Yellow/Green	Ground Input	Connect to Building Ground	#22 AWG, 410+/- 20mm, Strip 10mm Tin Plated With Eyelet
Red	12VDC+ Power Output	Connect to Device Power Input	#22 AWG, 300+/-10mm, Strip 10mm Tin Plated
Black	Common Power Output	Connect to Device Power Input	
Yellow	Load Control Input	Connect to Sensor Output or Similar Device (Active High)	

### How to Order

Model No.	Description	Input Voltage	Output
PSC-AC-PP-700C	Low Voltage Power Pack For Fixture or Electrical Enclosure	100-277VAC	12VDC

Design and specifications are subject to change without notice.