

# PSDE-96W-24V-010-JB

## 96W CONSTANT VOLTAGE DIMMABLE DRIVER

Project \_\_\_\_\_  
Location \_\_\_\_\_  
Quote/ Ref # \_\_\_\_\_

**PSDE-96W-24V-010-JB** is a Class 2 constant voltage LED driver with an integrated junction box. It provides smooth, flicker-free 0-10V dimming down to 1% when paired with most LEDs and compatible dimmers. Rated IP65, it is suitable for indoor or outdoor use across residential, commercial, and industrial applications. With a universal input range of 120-277 VAC, it supports both small and large-scale installations.



### SPECIFICATIONS

DIMMING	
CONTROL	0-10V
MINIMUM DIMMING LEVEL	1%
DIMMING CURVE	Linear
CURRENT CONSUMPTION	0.35mA/ Source

INPUT	
INPUT VOLTAGE RANGE	120-277V AC
INPUT FREQUENCY RANGE	50 / 60 Hz
POWER FACTOR	> 0.95
EFFICIENCY	> 87% (MAX)
AC CURRENT (MAX.)	0.5A (100V AC)
INPUT CURRENT	0.96A (MAX)
INRUSH CURRENT	5A (120V)   23.7A (277V)
THD	< 20%

OUTPUT	
OUTPUT VOLTAGE	24V DC
OUTPUT WATTAGE (MAX.)	96W
OUTPUT CURRENT (MAX.)	4.1A (4100mA)
OUTPUT CURRENT RIPPLE	> 3%
LOAD REGULATION	> 3%
LINE REGULATION	> 2%
TURN ON DELAY TIME	> 0.3 sec

PROTECTION	
SHORT CIRCUIT	Yes; Hiccup Mode
OVER LOAD	Yes; CC Mode
OVER TEMPERATURE	Yes; Hiccup Mode
OVER VOLTAGE	Yes
OVER CURRENT	Yes

ENVIRONMENT	
WORKING TEMPERATURE	-13°F (-25°C) ~ 104°F (40°C)
STORAGE TEMPERATURE	-40°F (-40°C) ~ 185°F (85°C)
CASE TEMP (MAX)	149°F (65°C)
AUDIBLE NOISE	> 24db Class A

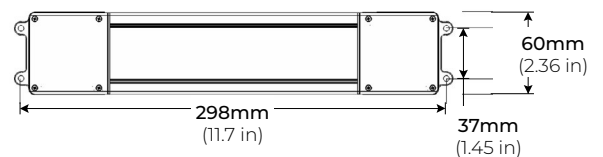
OTHER	
WARRANTY	5-Year Limited Warranty
DIMENSIONS (L x W x H)	12.1" x 2.36" x 1.4"
MTBF	50,000 Hrs. (> 65°C) Tc

### FEATURES

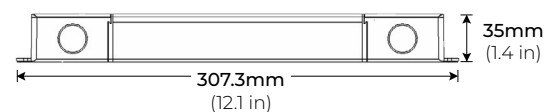
- Class 2
- Built-in Junction Box
- Universal Input Voltage
- 0-10V Dimmable
- Dimmable to 1%
- Auto-Reset Feature
- Short-circuit Protection Feature
- Suitable for Indoor or Outdoor Use

### DIMENSIONS

#### Top View



#### Side View



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### WIRING



THIS PRODUCT IS ONLY TO BE INSTALLED BY A QUALIFIED TECHNICIAN IN ACCORDANCE WITH NATIONAL AND LOCAL ELECTRICAL CODES

#### SAFETY & WARNINGS:

- Install this product in accordance with local and national electrical codes
- This product is rated for indoor use. For outdoor applications, use wet rated enclosure.
- **Make sure power from the main breaker is off** before installing to avoid risk of electrical shock.

#### MOUNTING:

Select a suitable and proper location to mount the driver. Consider weight of the driver to be supported.

#### INPUT CONNECTIONS/ GROUNDING:

1. Remove input wiring cover and install clamp connectors
2. Route the input wires and make connections according to the wiring diagram, following the INPUT side.

*\*Make sure that the driver is properly grounded in accordance with the N.E.C.*

#### OUTPUT CONNECTIONS:

1. Remove output wiring cover and install clamp connectors
2. Route the fixture wires and make connections according to the wiring diagram, following the OUTPUT side.

#### 0-10V DIMMING:

Connect the dimmer in accordance to the wiring diagram.

*\*Use appropriate wire connectors to ensure all wire connections.*

