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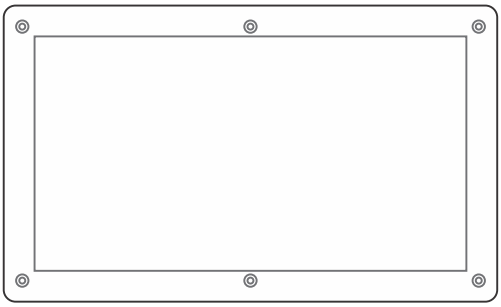
PSB-25W-010-24DC

904-PSB-25W-010-24DC-02

Intertek

Installation Instructions for **25 Watt 24 Volt DC LED Power Supply with 0-10 Volt Dimming Module**

SAVE THESE INSTRUCTIONS!



GENERAL INFORMATION

- **RISK OF FIRE:** This product must be installed by a qualified electrician. Turn the power to the electrical box off during installation. Read the "Important Safety Instructions " before installation.

- **NOTE:** To avoid overheating the power supply, install it in a ventilated remote location where air flows. Maintain proper spacing among power supplies when multiple power supplies are installed in the same remote location.

- This product is not suitable for wet locations. It is approved for the use at any height above the finished floor.

- A typical installation is shown. Specific installation must be in accordance with the local electrical codes.

- **TO REDUCE RISK OF FIRE,** it is important to wire the power supply for the system as described in this installation instruction.

- Load the power supply to **MAXIMUM 25** Watts.

- Use Lightolier "ZP600FAM120" 0-10 volt controller to dim the Warm White LED soft strip.

IMPORTANT SAFETY INSTRUCTIONS

- Do not install this power supply in a wet location.

- To reduce the risk of the system overheating and possibly causing a fire, make sure all the connections are tight.

- Do not install *LED fixture closer than three inches or as specified in the *LED fixture installation instructions to curtains or similarly combustible materials. Keep insulation at least 3" away from the enclosure.

- Turn the electrical power off before modifying the lighting system in any way.

- The system is "ETL" listed for USA and Canada only when all the products used are supplied by Edge Lighting.

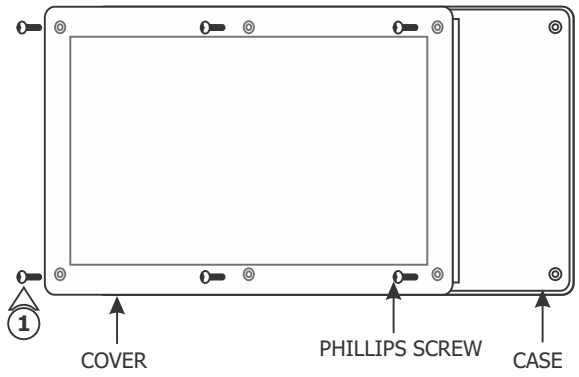
* See LED fixture installation instructions for proper placement.

25W, 24VAC LOW VOLTAGE WIRE SIZE CHART

3% VOLTAGE DROP	**WIRE LENGTH IN FT**	**UP TO 128FT**	**129-197FT**	**198-326FT**
	WIRE SIZE	14 AWG	12 AWG	10 AWG
	VOLTAGE AT END OF THE WIRE	23.5 VDC	23.3 VDC	23.3 VDC

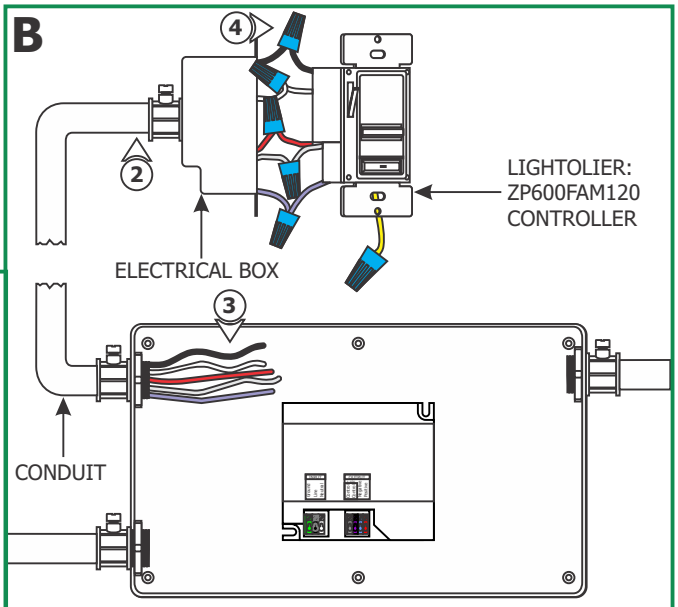
Using LED Power Supply with Warm White Soft Strip & 0-10 Volt Dimmer

A



1: Loosen the six Phillips screws on front of the power supply to remove the cover.

B

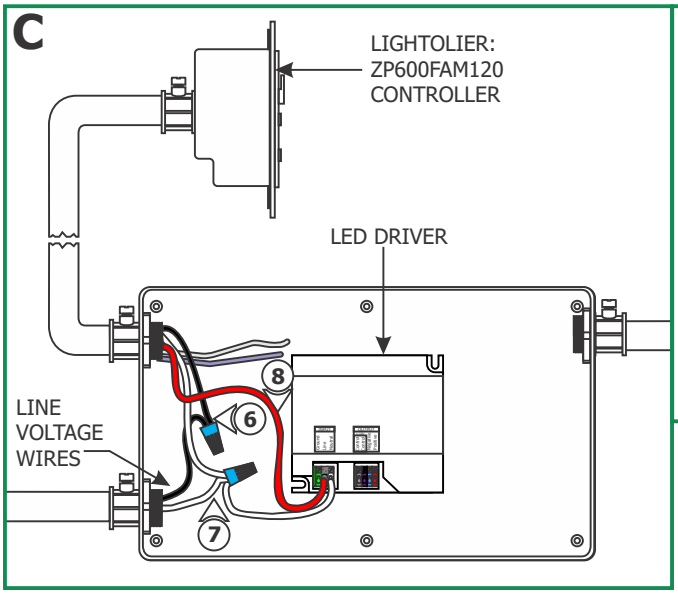


2: Install the conduits from the dimming controller, and main panel (line voltage), to the power supply case.

3: Run proper wire size and color from the controller electrical box to the power supply case.

4: Connect the black, white, red, purple, and gray controller wires respectively to black, white, red, purple, and gray wires with a wire nut. The yellow controller wire is not used in this procedure. Cap the yellow controller wire with a wire nut. For three way switching, refer to the instructions provided with the controller.

C



5: Run the line voltage power wires into power supply case.

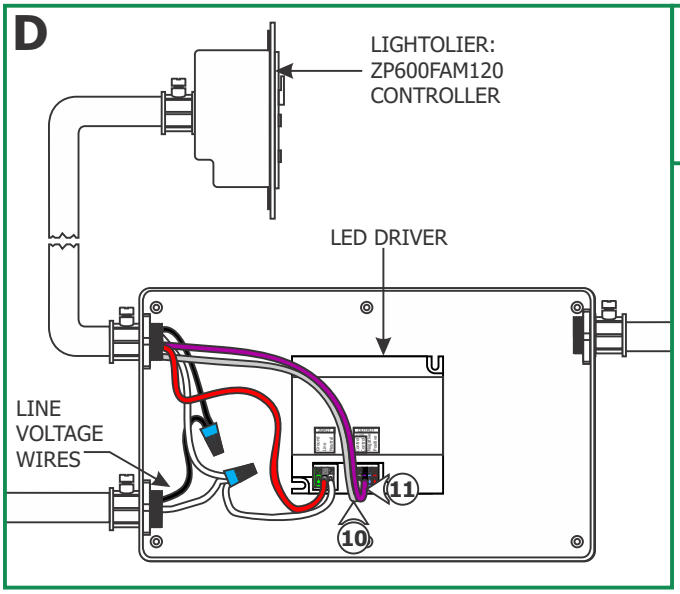
6: Connect the hot power wire to black controller wire with a wire nut.

7: Connect the neutral power wire to white controller wire and a wire going to the neutral terminal on the LED driver with a wire nut.

8: Connect the red controller wire to the line terminal on the LED driver.

9: Make sure the green terminal is grounded in accordance with local electrical codes.

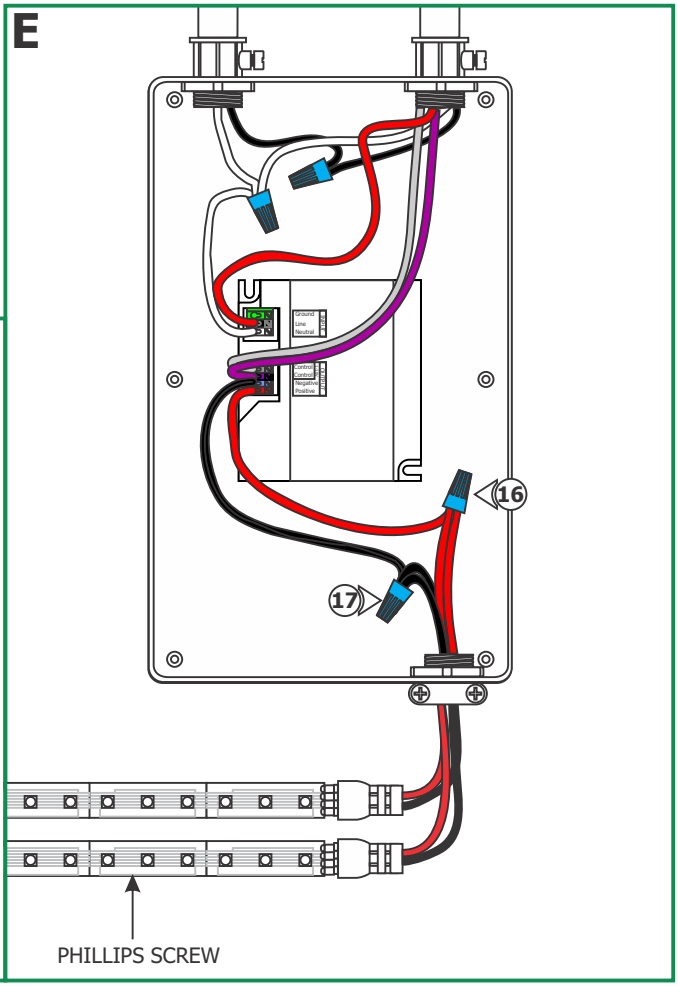
D



10: Connect the gray controller wire to the 1-10V gray terminal on the LED driver.

11: Connect the purple controller wire to the 1-10V purple terminal on the LED driver.

E



12: Use the "Low Voltage Wire Size Chart" on page 1 to determine the proper wire size connecting the dim module to the LED soft strip.

13: Run the proper size, red and black wires from the LED driver module case to the LED soft strip.

NOTE: Do not exceed the maximum wattage of the power supply.

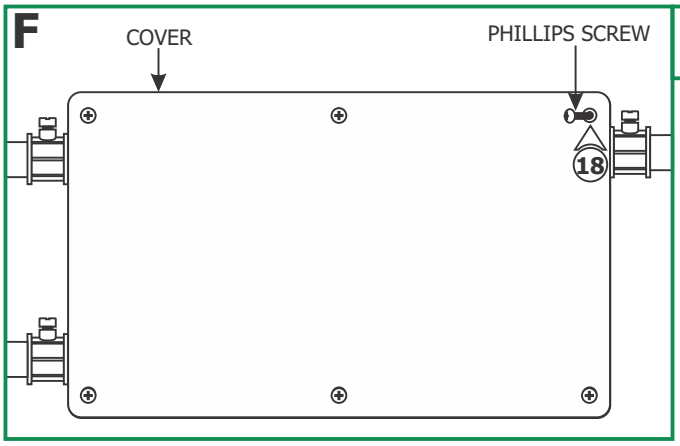
NOTE: Use only 24 volt LED soft strip with this power supply.

14: Connect the red wire to "+" terminal of dim module output.

15: Connect the black wire to "-" terminal of dim module output.

16: Connect the red wire coming from the dim module to the red wire of each LED soft strip.

17: Connect the black wire coming from the dim module to the black wire of each LED soft strip.



18: Replace the power supply cover and secure it by tightening the six Phillips screws.

Wiring Diagram