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## Installation Instructions for 2 X 96 Watt 24 Volt DC Power Supply with 0-10 Volt Dimming Module



### SAVE THESE INSTRUCTIONS!

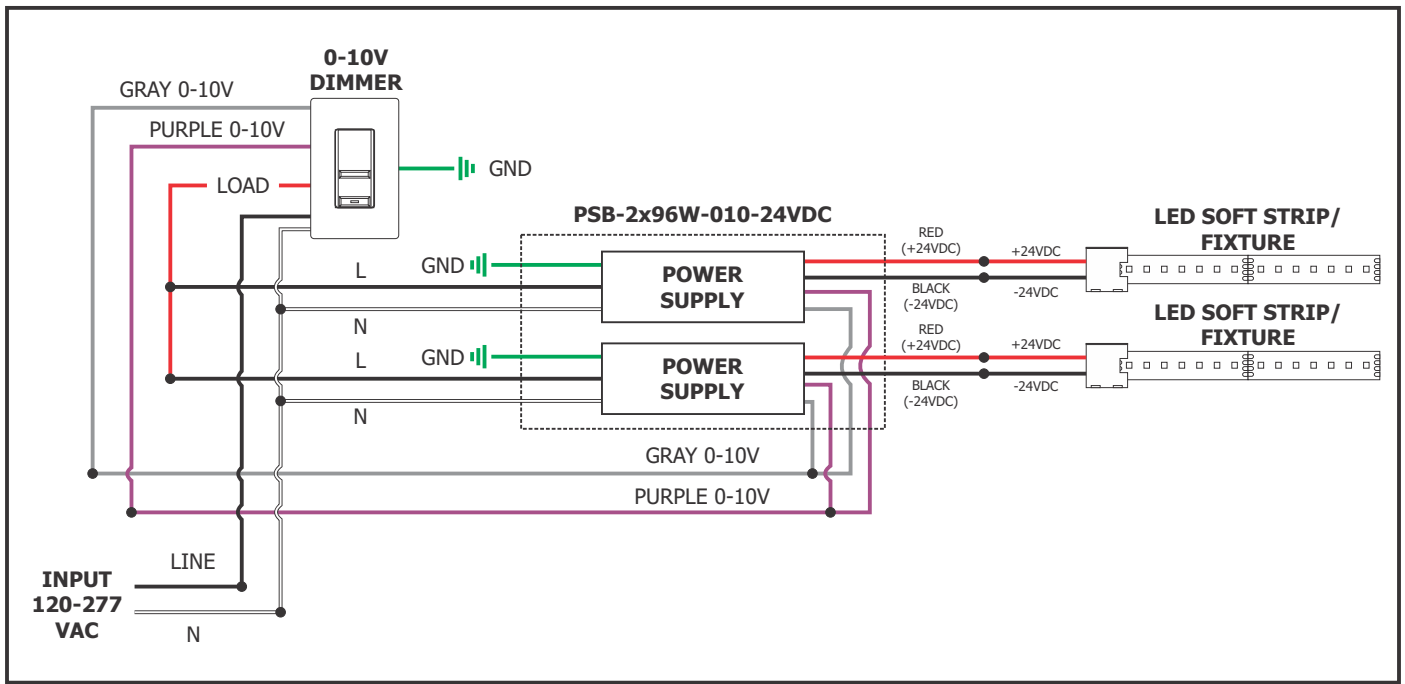
#### GENERAL INFORMATION

- **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 each power supply to **MAXIMUM 96** Watts.
- Use Philips: Sunrise "SR1200TUNV" 0-10 volt controller to dim the LED soft strip (fixture).

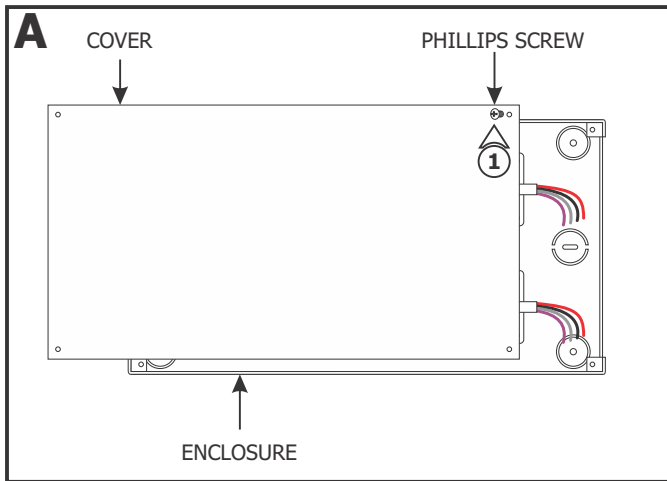
#### IMPORTANT SAFETY INSTRUCTIONS

- 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 PureEdge Lighting.
- \* See LED fixture installation instructions for proper placement.

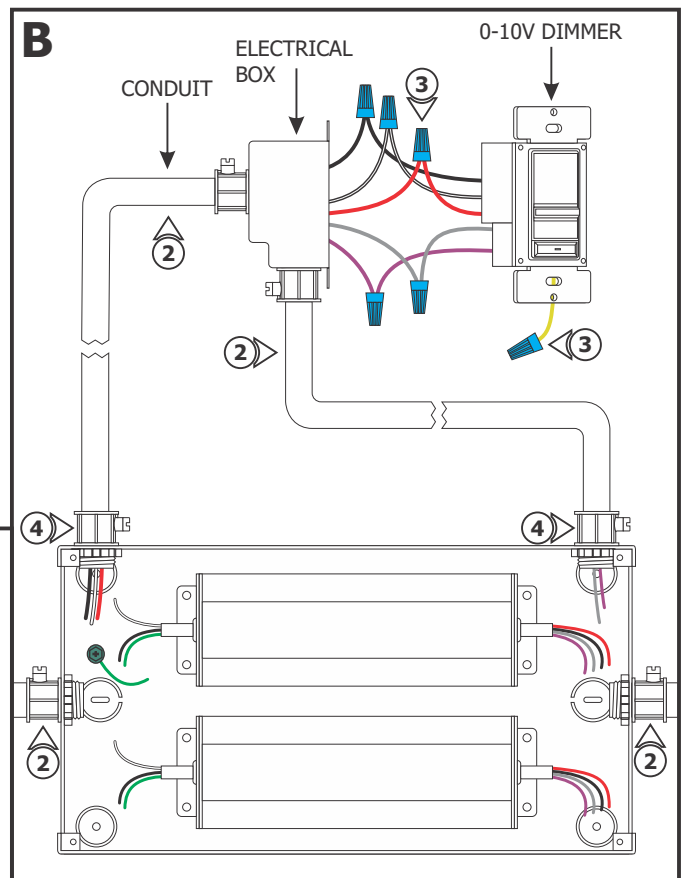
# Wiring Diagram



## Install the Power Supply



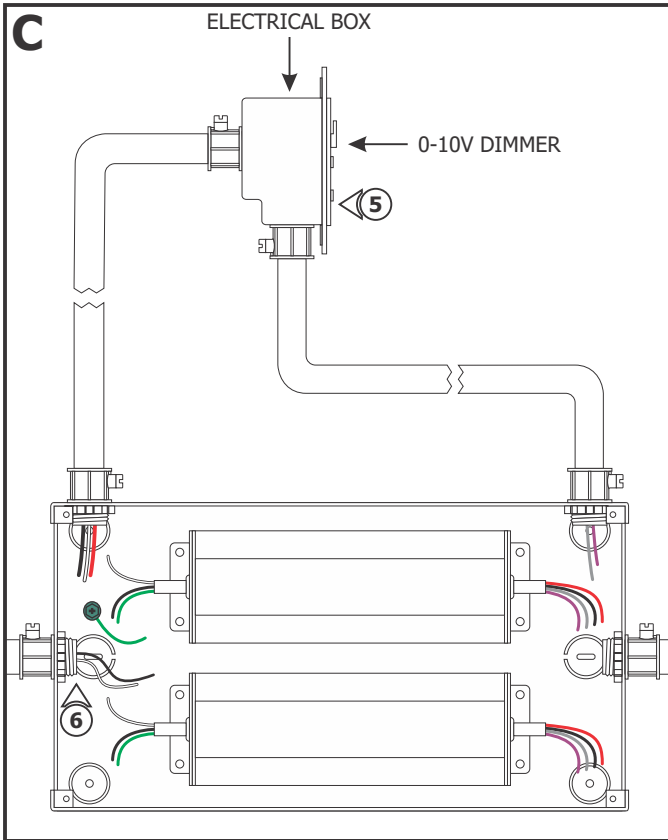
**1:** Loosen the four Phillips screws on the front of the power supply cover to slide the cover off of the enclosure.



**2:** Install conduits from the controller, main panel (line voltage) and soft strip/fixture to the power supply enclosure.

**3:** 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.

**4:** Run the wires from the controller to the power supply enclosure.



**5:** Secure the controller to the electrical box.

**6:** Run the power line wires from the panel to the power supply enclosure.

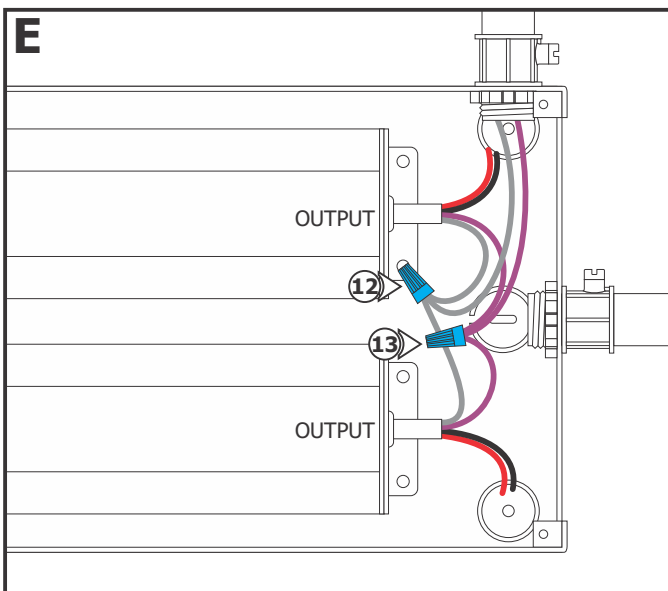
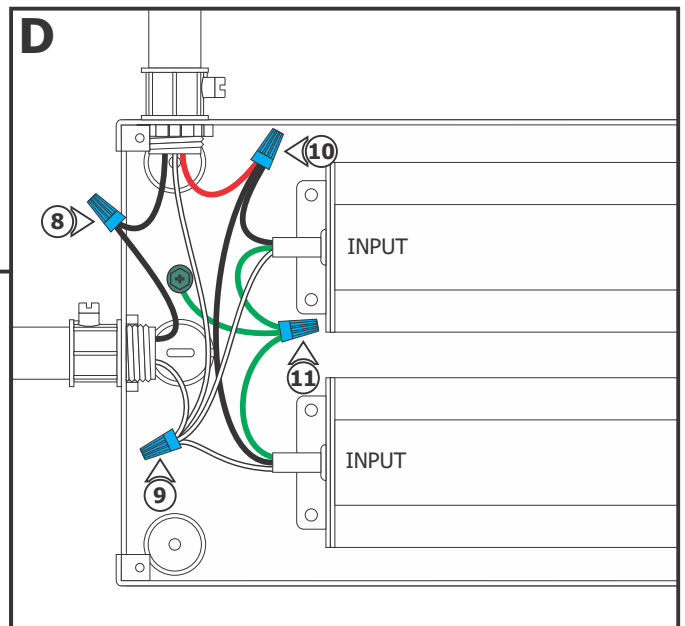
**7:** **DO NOT** connect the power wires to the panel at this time.

**8:** Connect the black controller wire to the 120 volt hot wire with a wire nut.

**9:** Connect the white controller wire to the 120 volt neutral wire and the white wire from each power supply with a wire nut.

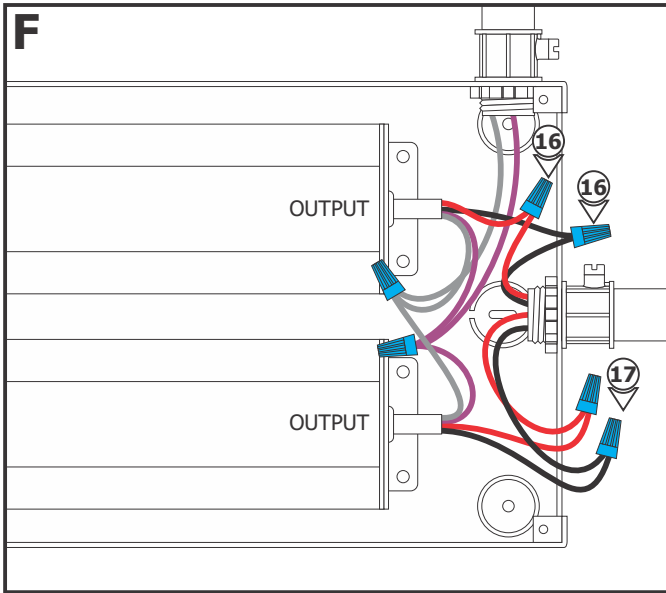
**10:** Connect the red controller wire to the black wire from each power supply with a wire nut.

**11:** Make sure the power supply is grounded in accordance with local electrical codes.



**12:** Connect the gray controller wire to the gray wire from each power supply with a wire nut.

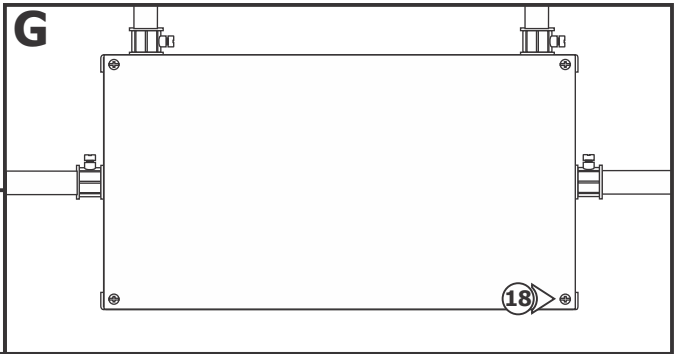
**13:** Connect the purple controller wire to the purple wire from each power supply with a wire nut.



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

- 14:** Use the "Low Voltage Wire Size Chart" below to determine the proper wire size connecting the power supply to the LED soft strip/fixture.
- 15:** Run the proper size red and black wires from the LED soft strips/fixtures to the power supply enclosure.
- 16:** Connect the +24VDC red wire from one power supply to the +24VDC wires of one LED soft strip/fixture with a wire nut. Connect the -24VDC black wire from the same power supply to the -24VDC wires of the same LED soft strip/fixture with a wire nut.
- 17:** Repeat step 16 for the other power supply and the other LED soft strip or fixture.

- 18:** Replace the power supply cover and secure it by tightening the four Phillips screws.
- 19:** At this time, connect the power wires to the circuit box panel.



**96W, 24VDC LOW VOLTAGE WIRE SIZE CHART**

	WIRE LENGTH IN FT	UP TO 33FT	34FT - 52FT	53FT - 86FT	87FT - 130FT
<b>3% VOLTAGE DROP</b>	<b>WIRE SIZE</b>	14 AWG	12 AWG	10 AWG	8 AWG
	<b>VOLTAGE AT END OF THE WIRE</b>	23.28 VDC	23.29 VDC	23.28 VDC	23.28 VDC