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



SAVE THESE INSTRUCTIONS!

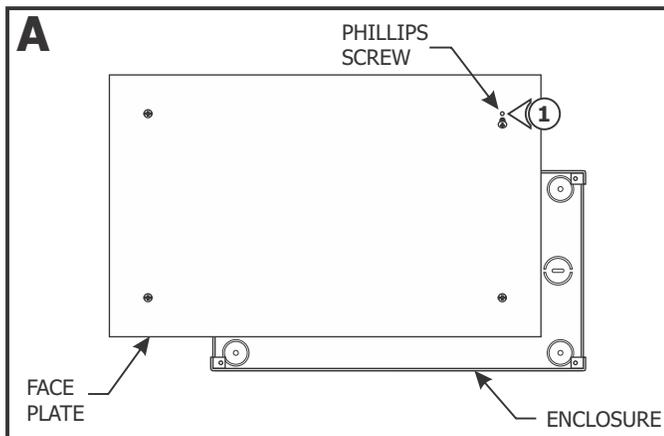
GENERAL INFORMATION

- **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.
- 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).

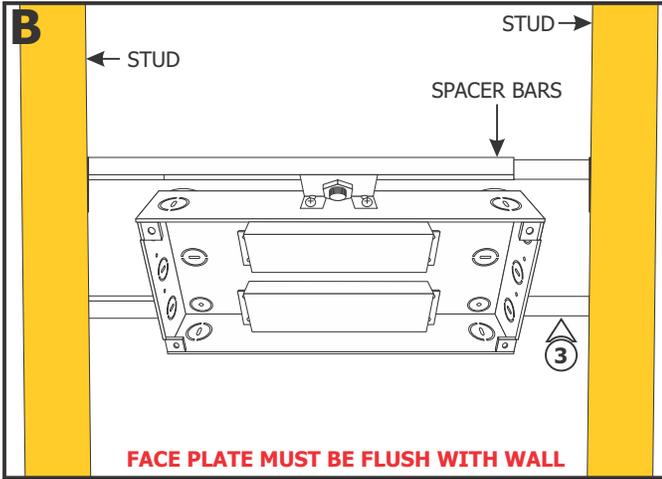
IMPORTANT SAFETY INSTRUCTIONS

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

Install the Power Supply Kit

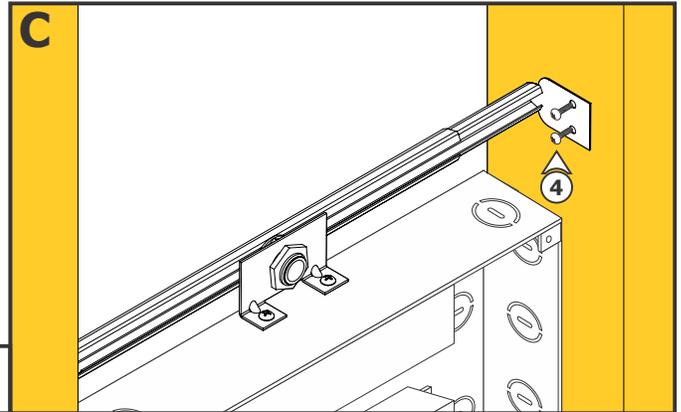


- 1:** Loosen the four Phillips screws on the face plate to slide it off the enclosure.

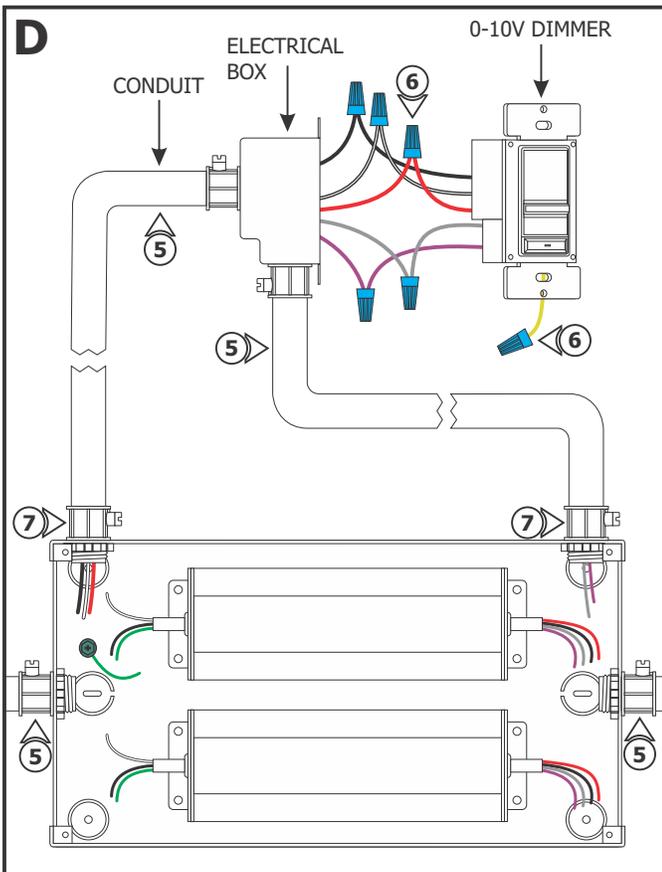


2: Ensure that face plate of power supply box is flush with wall.

3: Use sliding spacers to mount power supply box between studs.



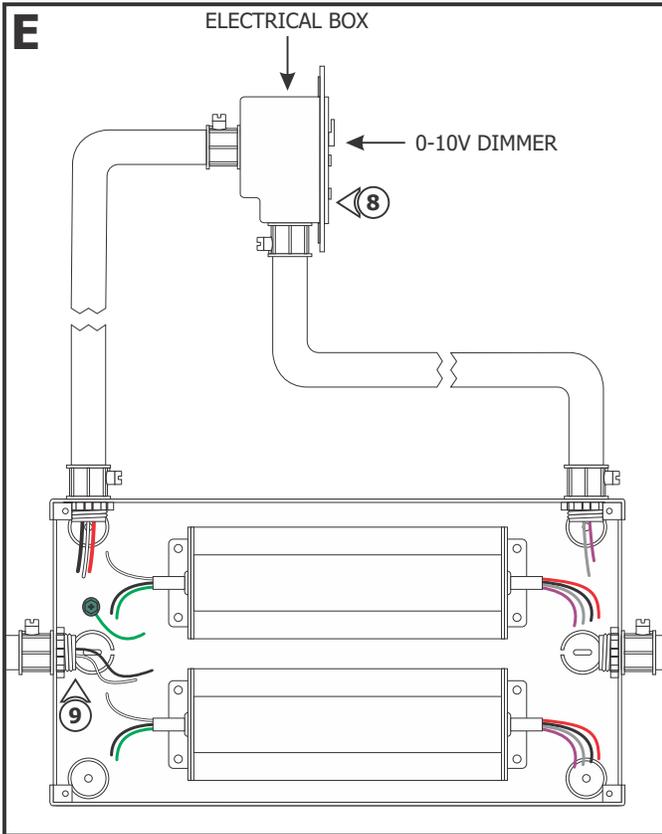
4: Screw spacer bars to studs, ensuring that the front face plate stays flush with wall.



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

6: 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.

7: Run the wires from the controller to the power supply enclosure.

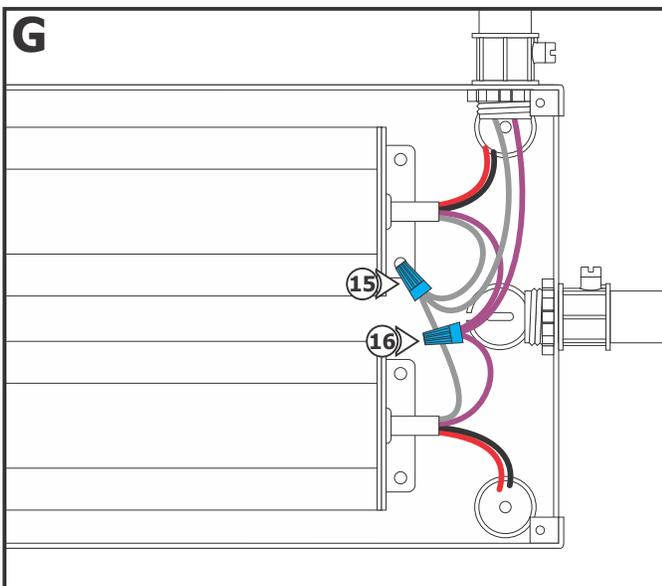
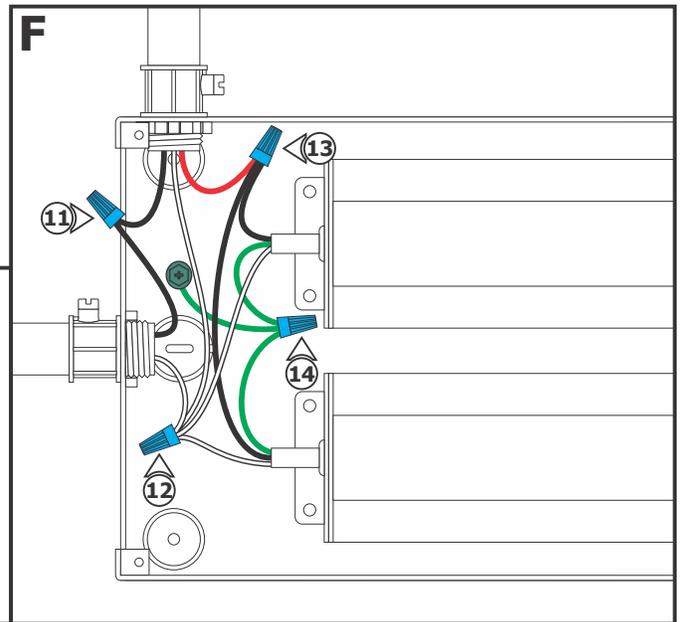


8: Secure the controller to the electrical box.

9: Run the power line wires from the panel to the input enclosure on the power supply.

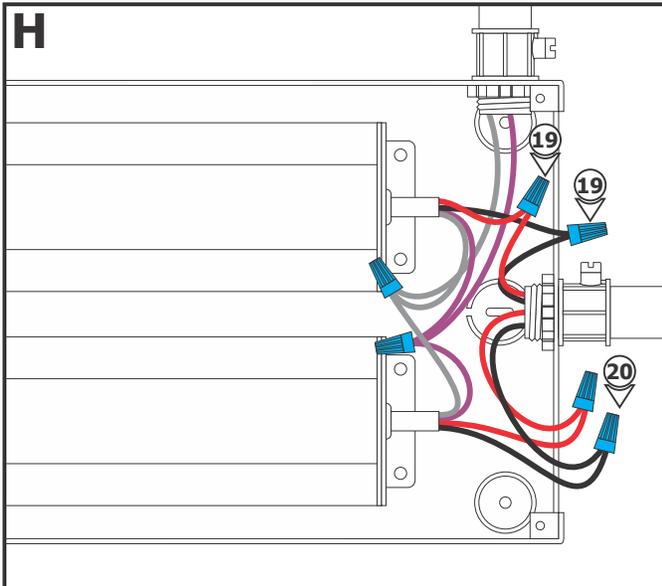
10: DO NOT connect the power wires to the panel at this time.

- 11:** Connect the black controller wire to the 120 volt hot wire with a wire nut.
- 12:** Connect the white controller wire to the 120 volt neutral wire and the white wire from each power supply with a wire nut.
- 13:** Connect the red controller wire to the black wire from each power supply with a wire nut.
- 14:** Make sure the power supply is grounded in accordance with local electrical codes.



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

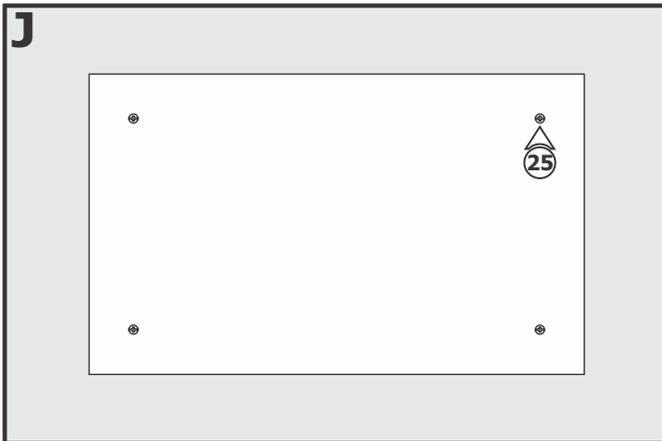
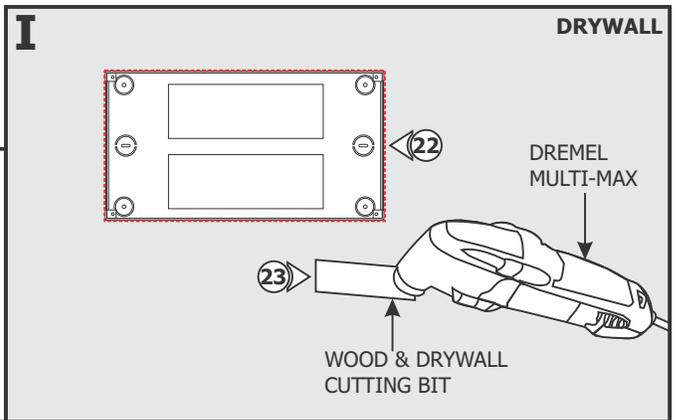
16: Connect the purple controller wire to the purple wire from each power supply with a wire nut.



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

- 17:** Use the "Low Voltage Wire Size Chart" below to determine the proper wire size connecting the power supply to the LED soft strip or fixture.
- 18:** Run the proper size red and black wires from the LED soft strips or fixtures to the power supply enclosure.
- 19:** 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.
- 20:** Repeat step 19 for the other power supply and the other LED soft strip or fixture.

- 21:** Determine the power supply location on the wall.
- 22:** Mark a rectangle shape (roughly 12-1/8" X 6-1/2") on drywall where the enclosure opening will be located.
- 23:** Cut out the marked rectangle opening, using a "Dremel Multi-Max" or other appropriate tool.
- 24:** Install & finish drywall.



- 25:** Replace the power supply cover and secure it by tightening the four Phillips screws.

96W, 24VDC LOW VOLTAGE WIRE SIZE CHART

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

Wiring Diagram

