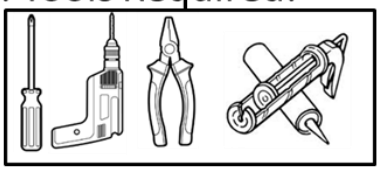
Principal LED Remote Mount / Wet Location Power Supply

Install Guide for P/N: PL-L12V60UNV-Q - Input: 110-277VAC / Output: 12VDC, 5A

1. Tools Required:

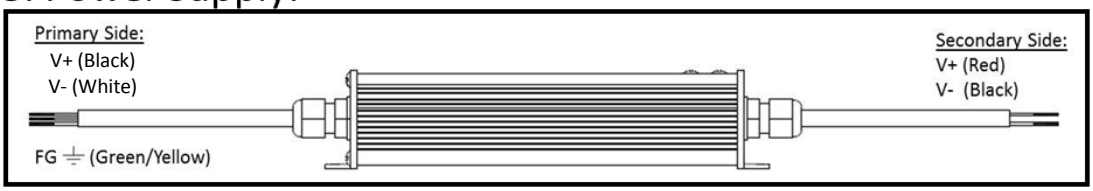


Screwdriver, Drill, Wire Stripper, Silicone & Gun

2. Supplies Required:

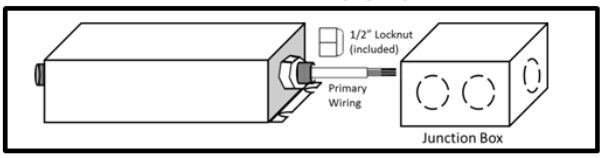
Wire Nuts, #8 Panhead screws, UL Listed PTLC Cable

3. Power Supply:



Supply has mounting tabs located on the bottom of the unit. Make sure to locate the primary and secondary wires.

4. Attach Power Supply to J-Box:



Attach power supply(s) to junction box using the ½" locknut provided. Multiple power supplies may be connected and configured to the same junction box. Note: For wet locations, use a junction box that is UL rated for wet use.

Note: Operating temperature is -30 to 70C (see de-rating chart at www.p-led.com for higher temperature operation), therefore, it is recommended that the power supplies are spaced at least 1" apart and not in secondary enclosure to ensure optimal ventilation. To ensure maximum lifetime of the power supply, it is highly recommended that a photo-cell or timer be used to prevent operation during daylight hours. Do not use more modules than recommended on the product installation guide. Total amperage should not exceed 5.0A per power supply.

5. Mount Power Supply:

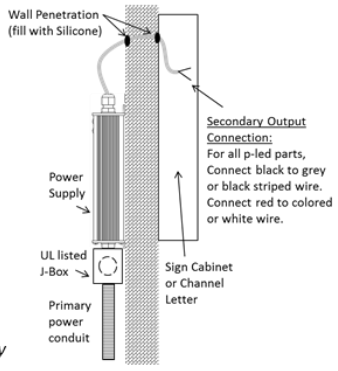
Using a drill and the #8 Panhead screws, mount the supply using the mounting tabs at the bottom of the supply.

6. Make Primary Connection:

Note: Have a licensed electrician ONLY bring conduit to the junction box and make the primary connection.

7. Make Secondary Connections:

Secondary output is 12V DC. Secondary Class 2 cables DO NOT require conduit per NEC 2008 Articles 725.121-130. Always seal wall penetrations carefully to prevent water damage.



** The following gauge PTLC wire should be used based on the distance from the supply to the first letter:*
0-10' (18AWG); 10'-50' (12AWG); 50'-100' (10AWG); 100'-150' (8AWG)

Protection:
- Over voltage, Over current and short circuit

Safety:
- UL 1310
- CAN/CSA-C22.2 No. 223-M91

C US

Environmental	
EMI and RFI	Meets FCC part 15 Non-Consumer Limits (Class A)
Operating Temperature	-30°C to 60°C (-22°F to 140°F)
Storage Temperature	-40°C to 85°C (-40°F to 185°F)
tc	85°C (185°F) max
IP Rating	IP67

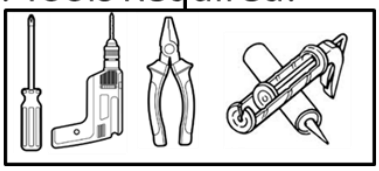
Principal LED, LLC
3503 Arden Road
San Angelo, TX 76901
Ph. 1-325-227-4577 info@p-led.com

www.p-led.com

Principal LED Enclosure/Raceway Mount Power Supplies

Install Guide for P/N: PL-PS-60-12; PL-LPV20-12; PL-MV-60-12; PL-MV-120-12

1. Tools Required:



Screwdriver, Drill, Wire Stripper, Silicone & Gun

2. Supplies Required:

Wire Nuts, #8 Panhead screws, UL Listed PTLC Cable

3. Power Supplies:

Both the 20 and 60W supply have mounting tabs located on the bottom of the unit. Make sure to locate the primary and secondary wires.

Note: Operating temperature is -30 to 70C (see de-rating chart at www.p-led.com for higher temperature operation), therefore, it is recommended that the power supplies are spaced at least 1" apart. To ensure maximum lifetime of the power supply, it is highly recommended that a photo-cell or timer be used to prevent operation during daylight hours. Do not use more modules than recommended on the product installation guide. Total amperage should not exceed 5.0A for the 60W and 1.67A for the 20W power supply, respectively.

4. Mount Power Supply:

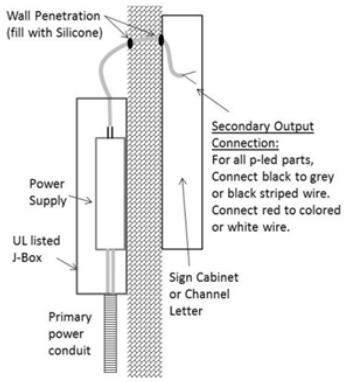
Using a drill and the #8 pan-head screws, mount the supply inside the channel letter, inside the raceway, or in a separate UL enclosure using the mounting tabs at the bottom of the supply. Optionally, units may attached with silicone, VHB adhesive tape, or any other mounting means.

5. Make Primary Connection:

Note: Have a licensed electrician ONLY bring conduit to the junction box and make the primary connection.

6. Make Secondary Connections:

Secondary output is 12V DC. Secondary Class 2 cables DO NOT require conduit per NEC 2008 Articles 725.121-130. Always seal wall penetrations carefully to prevent water damage.



Certifications:
(Raceway Mount)

-UL and cUL recognized (ALL)
- UL 1310 / IP67 (PL-LPV-60 & PS-60 models)
- UL879, UL8750 (PL-MV-60-12 & PL-MV-120-12)

** The following gauge PTLC wire should be used based on the distance from the supply to the first letter:*
0-10' (18AWG); 10'-50' (12 AWG); 50'-100' (10AWG); 100'-150' (8AWG)

Note: Do not exceed 5A DC load on 60W supply. To minimize light loss it is recommended to split the load equally in two parallel runs (2.5A) of LED modules, or wire the secondary input to both ends of the fully loaded 5A strand of LEDs.

*PL-MV-120-12 contains two (2), 60W outputs. do not exceed 5A DC load per output or channel.

Principal LED, LLC
3503 Arden Road
San Angelo, TX 76901
Ph. 1-325-227-4577 info@p-led.com

www.p-led.com