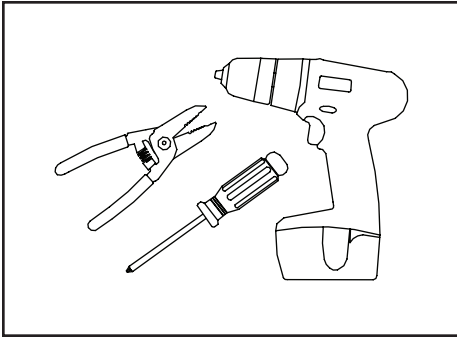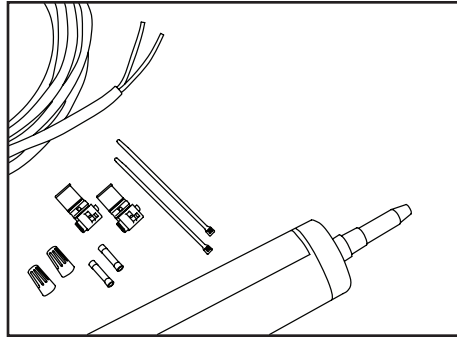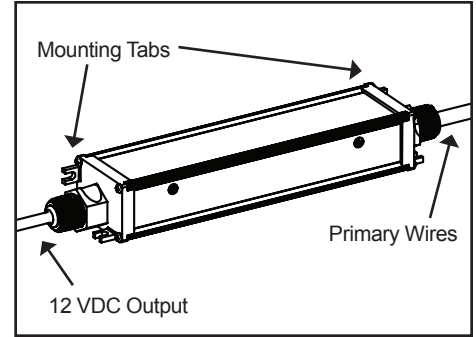# 60W1 12 VDC Power Supply

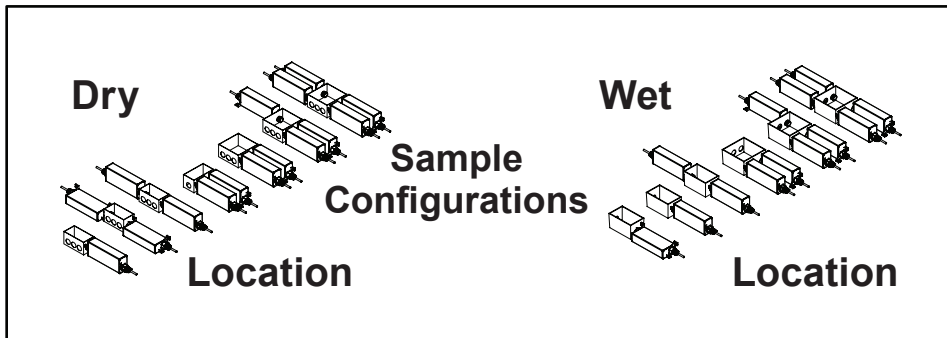Installation Guide for 701507-60W1 – NEC Class 2 Output

1. Tools required: Wire strippers, drill and screwdriver.
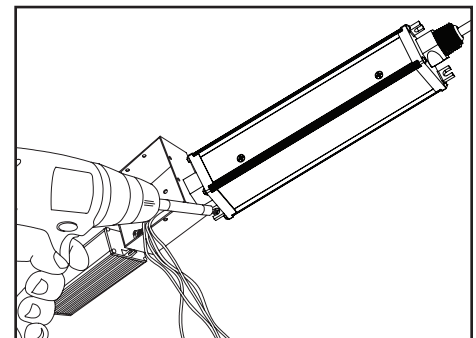
2. Supplies required: Junction box, #8 or #10 pan head screws, UL listed PLTC cable, electrical wire connectors, ½" locknuts, silicone.

3. Power Supply: Identify primary wires, secondary wires and location of mounting tabs.

Mounting Tabs

Primary Wires

12 VDC Output

Dry **Wet**

Sample Configurations

Location **Location**

4. Configure Power Supplies: Secure power supplies to junction box using ½" locknuts. Power supplies may be joined together in a wide array of configurations. For wet locations use a UL listed for wet locations junction box. For dry locations use any UL listed junction box.
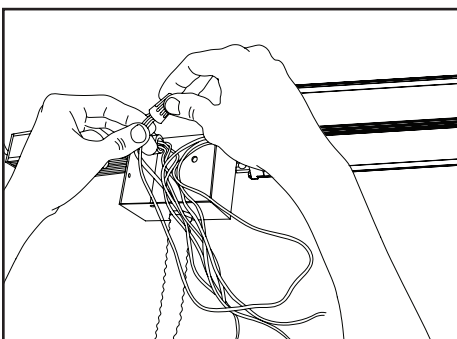
5. Mount Power Supplies: Units may be mounted in any orientation using mounting tabs.
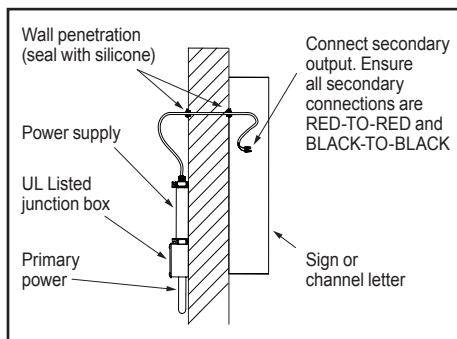
NOTE: Power supply operating temperature is -40º to 60º C. To ensure adequate ventilation, it is recommended mounting power supplies without a secondary enclosure.
Space power supplies by standard knockout locations (¾" min) and 1" minimum end to end.
Ensure power supplies are not overloaded by verifying output current is less than 5 DC Amps.
It is recommended to use photo-cells or light sensors to prolong life of power supply and to keep unit at maximum operating efficiency.

TROUBLESHOOTING
If sign is not functioning properly, check the following:
- Primary voltage is between 100-240 VAC
- Secondary voltage is 12 VDC
- Output current is 5 Amps or less
- Power supply is not overloaded (see power supply capacity chart in product installation guide or www.SloanLED.com)
- There are no shorts in secondary wiring
- All secondary connections are RED-TO-RED and BLACK-TO-BLACK

Wall penetration (seal with silicone)

Power supply

UL Listed junction box

Primary power

Connect secondary output. Ensure all secondary connections are RED-TO-RED and BLACK-TO-BLACK

Sign or channel letter

6. Connect Primary CAUTION: Have a licensed electrician connect primary.

7. Make Secondary Connections: Secondary class 2 cables do not require conduit per NEC 2008 Articles 725.121 through 725.130. Seal all wall penetrations with silicone to avoid water damage.

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