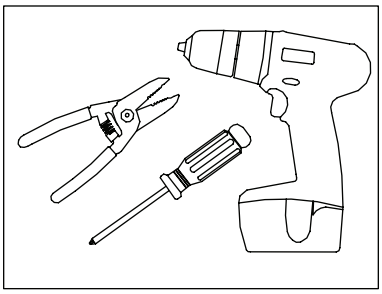
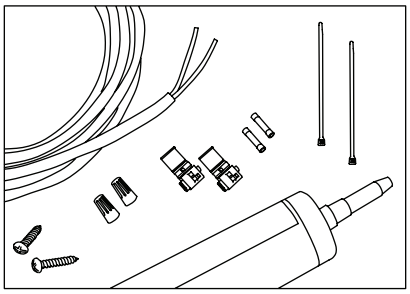
Wet Location Power Supplies

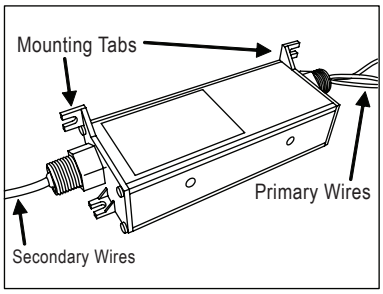
Installation Guide for PN 701507-MODW (NEC Class 2 Output) and 701895-24C (NEC Class 2 Output)



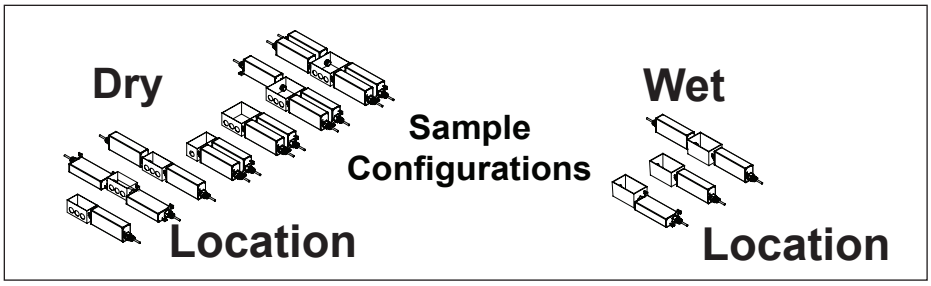
1. **Tools required:** Wire strippers, drill, and screwdriver



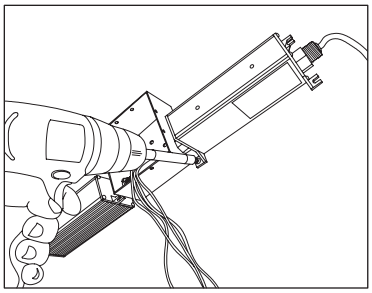
2. **Supplies required:** Junction box, #8 or #10 pan head screws, UL Listed PLTC cable, electrical wire connectors, ½ in (13 mm) locknuts, silicone



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

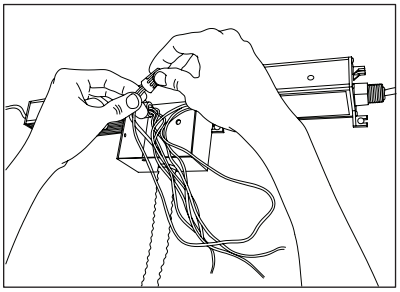


4. **Configure Power Supplies:** Secure power supplies to junction box using ½ in (13 mm) locknuts. Power supplies may be joined together in a wide array of configurations. For wet locations use a junction box that is UL Listed for wet locations. For dry locations, use any UL Listed junction box.



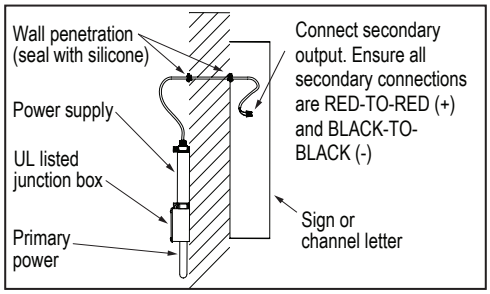
5. **Mount Power Supplies:** Units may be mounted in any orientation using mounting tabs.

NOTE: Power supply operating temperature is -40º C to 60º C. To ensure adequate ventilation, mounting power supplies without a secondary enclosure is recommended. Space power supplies by standard knockout locations ¾ in (19 mm) minimum. If secondary enclosure is used (transformer can), power supply spacing to other heat producing components must have 4 in (102 mm) of space on each side and 2 in (51 mm) minimum to top of enclosure. Ensure power supplies are not overloaded by verifying output current is less than 5.0 A for 701507-MODW and 4.2 A for 701895-24C. The use of photo-cells or timing device is recommended to make sure power supplies are off during day light hours, when sign illumination is not needed. Higher daytime temperatures and unnecessary operation may shorten power supply lifetime.



6. Connect primary wiring.

CAUTION: All primary wiring must be done by a licensed electrician.
ATTENTION : Le câblage primaire doit être réalisé par un électricien certifié et qualifié.



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.

P/N 701507-MODW

TROUBLESHOOTING
If sign is not functioning properly, check following:

- Primary voltage is between AC 100-240 V
- Secondary voltage is:
  701507-MODW DC 12 V
  701895-24C DC 24 V
- Output current is:
  701507-MODW 5.0 A or less
  701895-24C 4.2 A or less
- Power supply is not overloaded (see Power Supply Capacity Chart in product installation guide or at SloanLED.com)
- There are no shorts in secondary wiring
- All secondary connections are RED-TO-RED (+) and BLACK-TO-BLACK (-)

UL File number:
P/N# 701507-MODW: E215393
P/N# 701895-24C: E336107

P/N 701895-24C

SloanLED®
Leaders in LED Technology

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Channel Letter Module – Retrofit Guide

This retrofit guide is designed to aid in the installation of SloanLED's channel letter modules. Skilled trades people that are familiar with general construction, electrical, and sign installation techniques should do the installation. Licensed electricians should provide all installation and hook-up of both the primary and secondary input/outputs of the SloanLED power supply. All installation and hook-up should be done in accordance with all National and Local codes and permits. In no way is this document intended to construe warranty or fitness of use of the products described, nor is it intended to provide safety instruction for those installing the product.

THE FIELD INSTALLATION OF THIS LED RETROFIT SYSTEM INTO A SECTIONAL SIGN IS SUBJECT TO THE ACCEPTANCE OF LOCAL INSPECTION AUTHORITY.

CAUTION: TURN OFF POWER TO THE SIGN BEFORE INSPECTING OR REMOVING EXISTING LIGHT SOURCE. THE POWER MUST REMAIN OFF WHILE INSTALLING THE LED RETROFIT KIT.

CLASSIFICATION MARK ON THIS LED RETROFIT REQUIRES
THE SYSTEM TO BE INSTALLED ON A UL LISTED SIGN ONLY.

Tools Required:

- Wire cutter & stripper
- Measuring tape
- Marking pens
- Drill
- Standard hardware and supplies in addition to SloanLED channel letter modules installation guides (UL listing may be required on certain items)

Prepping the Channel Letter:

Step 1. Remove existing neon by having a licensed electrician disconnect and remove the neon transformers. Remove existing neon and all standoffs to leave an empty channel letter can.

NOTE: ALL MATERIALS REMOVED MUST BE DISPOSED OF IN ACCORDANCE WITH APPLICABLE LOCAL, STATE, AND FEDERAL LAWS.

Step 2. Using cleaner provided (or non-oil based household cleaner), clean the inside surface of the channel letter can. This is an important step for good adhesion of SloanLED channel letter module mounting tape.

Step 3. Any existing holes in the can or building that will not be used in installation of SloanLED channel letter modules should be patched to avoid water damage to the building and sign. Openings smaller than ½" diameter may be sealed with non-hardening outdoor caulk. Openings larger than ½" diameter require a metal patch secured by screws or rivets and caulked with non-hardening outdoor caulk.

Step 4. Proceed with SloanLED channel letter modules installation as instructed in installation guide for your specific product.

SloanLED products carry a limited warranty.
For complete details refer to the warranty policy found at SloanLED.com