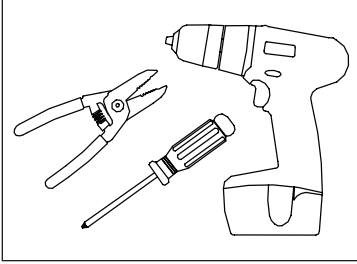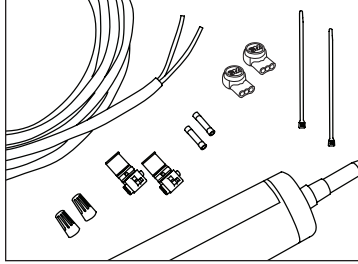# 24S2D 24 VDC Power Supply
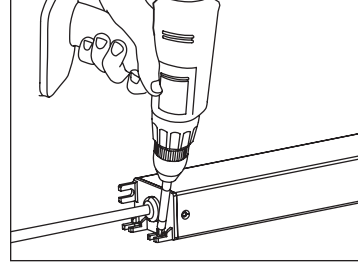
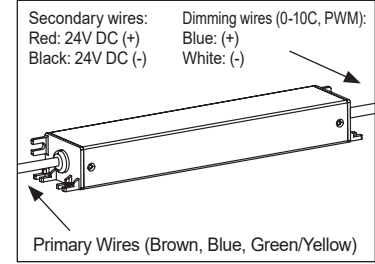Installation Guide for PN 701895-24S2D – NEC Class 2 Dimmable Output

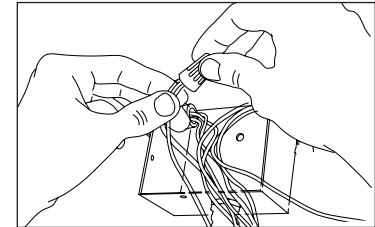1. **Tools required:** Wire strippers, drill, and screwdriver.

2. **Supplies required:** Conduit and electrical enclosure for power supply, #8 or #10 pan head screws, UL Listed PLTC cable, UL Listed electrical wire connectors (e.g., wirenuts), silicone.
Europe: Electrical enclosure for power supply, M4 pan head screws, PLTC cable, silicone, 3M™ Scotchlok™ connectors.

3. **Mount Power Supplies:** Use mounting tab in corner to secure power supply.

Secondary wires:
Red: 24V DC (+)
Black: 24V DC (-)

Dimming wires (0-10C, PWM):
Blue: (+)
White: (-)

Primary Wires (Brown, Blue, Green/Yellow)

4. **Power Supply:** Identify primary wires, secondary wires. Connect RED and BLACK wires to 24V LED load. For low voltage dimming, BLUE (+) and WHITE (-) wires connect to either 0-10 V or PWM dimming signal.

5. **Connect Primary:** **CAUTION:** Have a licensed electrician connect primary.

NOTE: Ensure adequate ventilation. Power supply operating ambient temperature is -40° to 60° C. Power supply must be mounted in an enclosure (i.e., transformer can/raceway). Power supply spacing to thermoplastic, wood, fiber, or other combustible type enclosure materials shall be 1" (25 mm). Two or more adjacent power supplies shall not be mounted closer than 1" (25 mm) end to end or 2" (51 mm) side to side.

Ensure power supplies are not overloaded by verifying output current is less than 4 DC Amps.

It is recommended to use photocells or light sensors to prolong life of power supply and to keep unit at maximum operating efficiency.

24S2D 24 VDC Power Supply

Installation Guide for PN 701895-24S2D – NEC Class 2 Dimmable Output

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TROUBLESHOOTING
If sign is not functioning properly, check the following:

• Primary voltage is between 100-277 VAC

• Secondary voltage is 24 VDC

• Output current is 4 Amps or less

• Power supply is not overloaded (see power supply capacity chart in product installation guide or SloanLED.com)

• There are no shorts in secondary wiring

• All secondary connections are RED-TO-RED and BLACK-TO-BLACK

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

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