

Waterproof Transformer Converts 120V-277V AC to 12/24 Volts DC 25 Amps - Two 2-pin Deutsch Connectors Instruction Manual

Do not attempt installation until you are familiar with all warnings, precautions, and procedures outlined within this instruction sheet.

WARNING:

READ CAREFULLY BEFORE INSTALLING FIXTURE. RETAIN THESE INSTRUCTIONS FOR FUTURE REFERENCE. CRITICAL SAFETY INSTRUCTIONS:

Risk of electrical shock and energy hazard. All failure should be examined by a qualified technician. Please do NOT remove the case of the power supply by yourself.

Please do NOT install power supplies in places with high ambient temperature or close to a fire source. Please refer to the specifications about the maximum ambient temperature limitations.

Output current and output wattage must not exceed the rated values on the specifications.

The FG must be well connected to PE (protective Earth) if the unit equips with it.

Enclosure must remain closed at all times during operation.

The Larson Electronics DCP-25-2XDP Waterproof Power Supply converts commonly used 120 - 277VAC electrical current to 12VDC or 24VDC, depending on options chosen. This converter includes a typical straight blade plug on the input end and two 2-prong Deutsch connectors on the output end. This unit takes voltages within the 100-277VAC range and reduces it to 12/24 VDC, allowing users to use standard AC power to operate equipment like our LED light bars and HID spotlights that require low voltage DC current. Other connector types are available as options.

INSTALLATION

This converter comes with a choice of general area cord caps on the input lead and two 2-pin Deutsch connectors on the output lead, allowing users to run four fixtures off one transformer. This converter can operate with voltages 100-277VAC and converts it to low voltage, allowing users to use a high voltage DC power source to operate equipment like our LED and HID lights that require 12 or 24 volt DC current. Other connectors are available as options.

Make sure power is turned off prior to wiring! Connect input lead to power source. Take all appropriate steps for waterproofing connections as necessary. Connect equipment to output side. The connected device(s) will power once the converter is energized. If not, check power source and connections.



CAUTION: Keep enclosure cover closed at all times during operation.

NOTE: In order to obtain the best performance and the longest operational life from these units, it is recommended that you do not exceed 75% of the unit's output amperage. To determine if this converter suits your desired application, add together the total wattage of the equipment you intend to use with this unit and divide this total by 12 volts to find the total amperage draw that will be placed upon the converter. For example, if you are using two of our LEDP10W-120E 120 watt LED lights, 120 watts divided by 12 volts is 10 amps. This would mean the DCP-25-HD is well suited as it would run at under 75% capacity to produce the necessary 10 amps. Running these units at 100% of their capacity can create excess heat and lead to shortened converter life.

**See product nameplate for exact voltage requirements.*

THESE INSTRUCTIONS MAY NOT COVER ALL DETAILS OR VARIATIONS OF THIS PRODUCT FOR YOUR EQUIPMENT OR INSTALLATION REQUIREMENTS. SHOULD FURTHER INFORMATION NOT COVERED BY THESE INSTRUCTIONS BE REQUIRED, PLEASE CONTACT LARSON ELECTRONICS BY EMAIL AT SALES@LARSONELECTRONICS.COM OR BY PHONE AT 1-877-348-9680 FOR FURTHER ASSISTANCE.

PLEASE VISIT LARSONELECTRONICS.COM FOR **WARRANTY** AND **RETURN** INFORMATION.