

Waterproof DC to DC Step-down Transformer 24V DC to 12V DC - 8.5 Amps - Flying Leads 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.

This power supply can be operated on a range of voltages with an input of 19-36V DC converted to 12V DC @ 8.5 Amps. This converter includes flying leads on the input end and a 2-pin Deutsch connector on the output end. This power converter features an IP66 rated waterproof design, making it suitable for indoor or outdoor use and is wet-damp area approved. This converter includes integral short circuit, over voltage, over temperature and overload protection that will shut down the unit or reduce output in case of faults and overloads to protect the unit and connected equipment from damage.

INSTALLATION

This converter includes flying leads on the input end and a 2-pin Deutsch connector on the output end. This converter can operate with voltages 19-36V DC and converts it to 12VDC, allowing users to use a high voltage DC power source to operate equipment like our LED and HID lights that require 12 volt DC current.

Connect input lead to power source. Make sure power is turned off prior to wiring! Take all appropriate steps for waterproofing connections as necessary. Plug equipment into 12V DC output side to the 2-pin deutsch plug matching connector. The connected device(s) should power once power is supplied to the converter. If not, check power source and deutsch connection.

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 our LEDP10W-60E 60 watt LED light, 60 watts divided by 12 volts is 5 amps. This would mean the DCP-24x12-8-HD is well suited as it would run at less than 75% capacity to produce the necessary 5 amps. Running 100% capacity can create excess heat and lead to shortened life of the converter.

**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 1-800-369-6671 FOR FURTHER ASSISTANCE.

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