

Wall Mounted DC/DC Converters

Key Features

- Input/Output status indicators
- Wide operating temperature
- 12 Output connections
- Lifetime warranty
- Wall mounted



DESCRIPTION:

The RLH DC/DC converter is an isolated power source designed to power up to twelve (12) Fiber Optic Link Sub Cards (2 Wire or 4 Wire). The power supply consists of a DC/DC converter on a PCB contained in a thermo-plastic housing. It is protected by a fuse that is located at the bottom right corner of the PCB board. A blue LED on the PCB board (right below the fuse) indicates DC input. A yellow LED on the face of the housing indicates DC output. The housing is not weatherproof.

INPUT VOLTAGE (RANGE)	OUTPUT VOLTAGE	OUTPUT AMPS MAXIMUM	PART NUMBER
12V (10-20V)	24V	2.2A	8806-1257-01
	48V	1.1A	8806-1258-01
24V (21-32V)	12V	6.0A	8806-1255-01
	24V	2.2A	8806-1256-01
	48V	1.1A	8806-1266-01
48V (42-60V)	12V	6.0A	8806-1269-01
	24V	2.2A	8806-1278-02
	48V	2.2A	8806-1267-01

Table 1

INSTALLATION:

Mount the converter to the plywood backboard using the two (2) wood screws provided. You may need to drill pilot holes for the screws.

A 3/8" nut driver will be needed to open the housing cover.

Connect the DC source to the "INPUT" terminal located at the bottom right of PCB board. See Figure 1B.

The DC input is NOT POLARITY SENSITIVE. Therefore it is not marked plus (+) or minus (-). The DC input voltage can be inserted into either DC input terminal.

- The blue 'DC INPUT' LED will come ON. (On PCB Board)
- The yellow 'DC OUTPUT' LED will come ON. (On face of housing)

Connect the Fiber Optic Link Cards or Units to P1 (+) or P2 (-) on the converter.

- The rubber grommet can be removed for this process. Merely create a hole through the rubber grommet and pass connecting wire through.
- Connect the wires to P1 to P2 and replace the grommet.

Close the housing and secure using the nut driver.



Figure 1A. DC/DC Converter

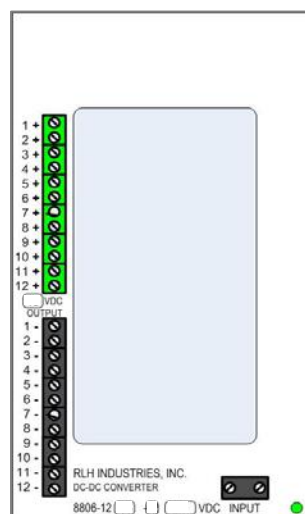


Figure 1B. DC/DC Converter PCB

Specifications:

Output Voltage and Current:	See Table 1
Input/Output Isolation:	1500VDC
Maximum Capacity:	12 RLH SUB Cards
Housing Dimensions:	Height: 10.2" x Width: 8.5" x Depth: 3.0"
Weight:	1.3 lbs.
Operating Temperature:	-40°C to +70°C (Convection cooling)