

## INSTALLATION GUIDE FOR THE DC-DC POWER CONVERTERS



### INTRODUCTION

The NTI DC-DC Power Converters convert power from a 24 or 48VDC voltage source (see chart next page) to power many DC powered devices with various current requirements.

### Features:

- External DC-DC converter
- Used to install NTI products in a Telecom environment
- Accepts DC Voltage (see chart)
- 3-position screw-terminal connection
- Accepts positive or negative polarity
- 3-pole detachable screw terminal for connecting input voltage
- 2.1x5.5mm male DC power jack for output
- Includes a 3-foot female-to-female DC power cable
- RoHS compliant

### INSTALLATION

Mount the DC-DC Power Converter using the slots in the mounting ears.

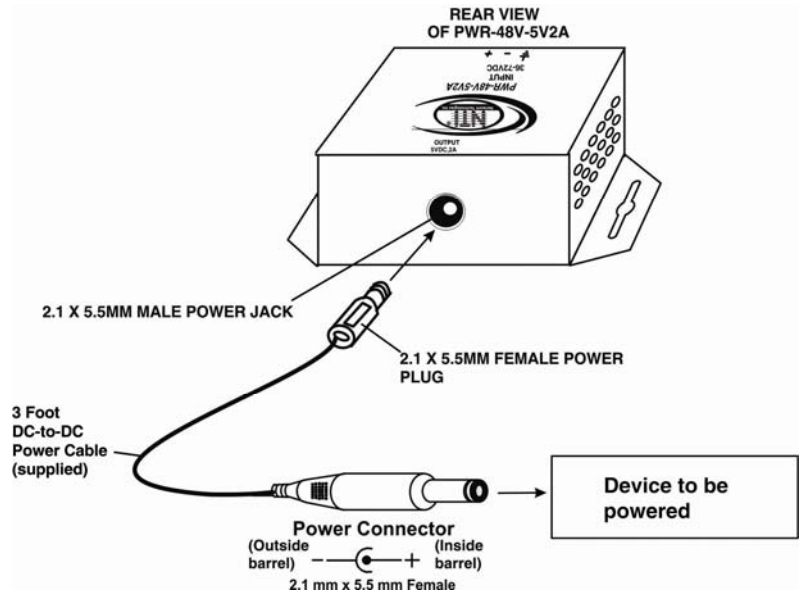
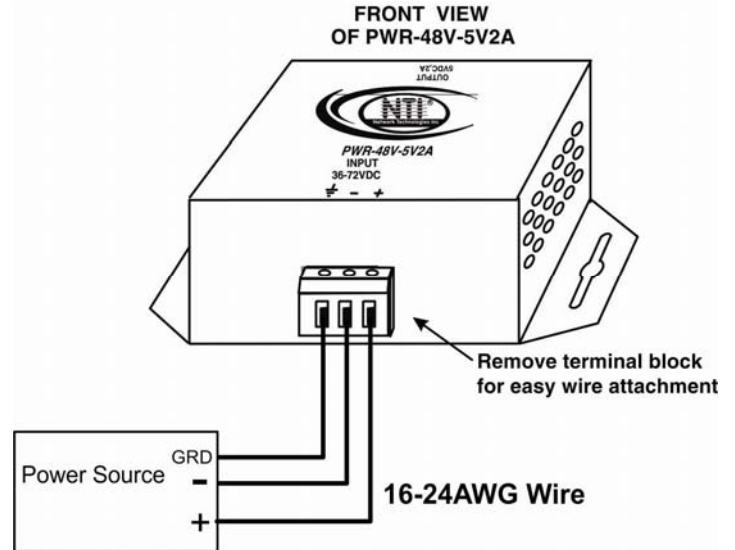
### CONNECTION

**Note: To prevent damage to the voltage source or the power converter proper polarity must be observed when making connections.**

Connect a power source using 16-24AWG stranded wire (select wire size dependant upon your power requirements) to the “+”, “-“ and “ $\perp$ ” (earth ground) connections via the removable terminal block. Use the chart on the next page (“Input Range”) to determine the voltage that can be connected to the INPUT terminals on the power converter.

**Note: The wire connection terminal block is easily removed from the power converter for convenient wire termination.**

Connect the 3 foot female-to-female DC power cable (supplied) between the “Output” port on the power converter and a device to be powered. Use the chart on page 2 (“Maximum Current”) to determine the maximum load that can be placed on the power converter.



## TECHNICAL SPECIFICATIONS

Model	Input Range (VDC)	Output Voltage (VDC)	Max. Current (Amps)	Operating Range	Dimensions WxDxH: (In.)
PWR-48V-5V2A	36-72	5	2	-13 to 158°F (-25 to 70°C)	3.18x3.09x1.08
PWR-48V-5V4A	18-72	5	4	-13 to 158°F (-25 to 70°C)	3.18x3.09x1.08
PWR-48V-12V1-6A	18-72	12	1.6	-13 to 158°F (-25 to 70°C)	3.18x3.09x1.08
PWR-24V-5V2A	18-36	5	2	-13 to 158°F (-25 to 70°C)	3.18x3.09x1.08

Dimensions do not include mounting flanges (add .562 to width for each mounting flange)

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