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INSTALLATION GUIDE FOR THE
DC-DC POWER CONVERTERS

INTRODUCTION

The NTI DC-DC Power Converters convert power from a 12, 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 and for some models output voltage
- 2.1x5.5mm male DC power jack on most models
- Includes a 3-foot female-to-female DC power cable (only models with 2.1x5.5mm jack)
- CE certified
- RoHS compliant

INSTALLATION

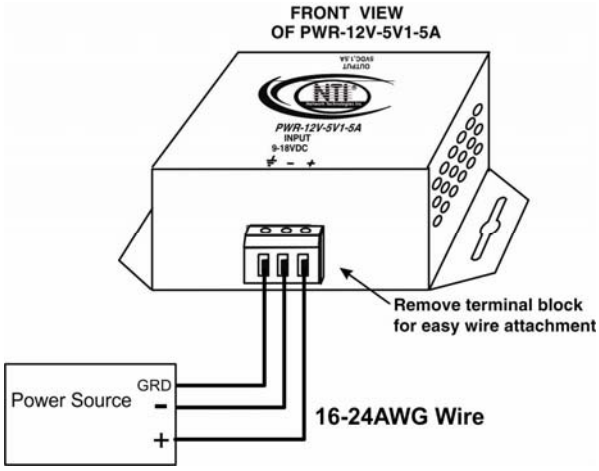
Mount the DC-DC Power Converter using the slots in the mounting ears.

CONNECTION

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

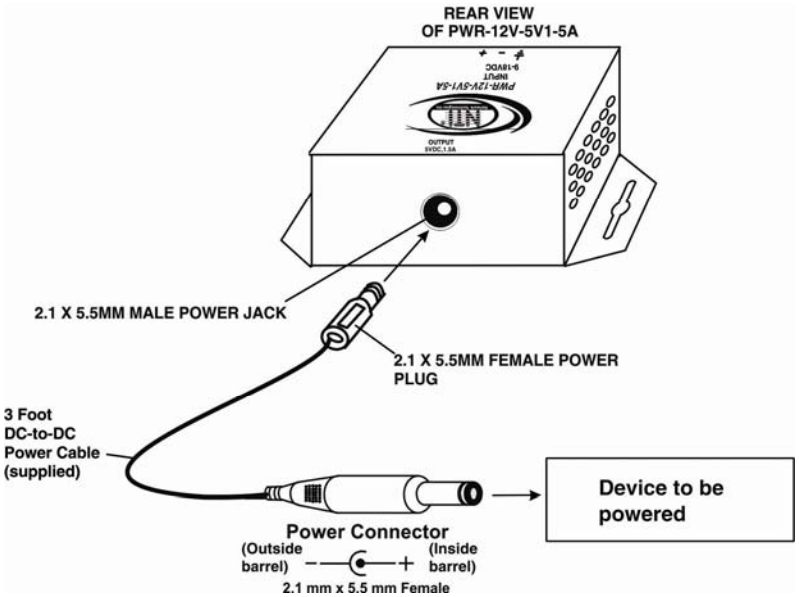
Connect a power source using 16-24AWG stranded wire (select wire size dependant upon your power requirements) to the "+" , "-" and " ⏚ " (earth ground) connections via the removable terminal block. Use the chart on the next page ("Input Range") to determine the voltage that can be connected to the INPUT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

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



Models with DC Output Jack

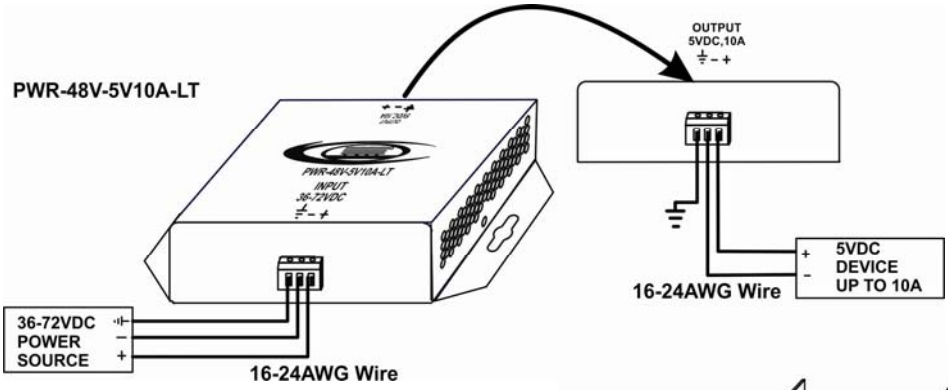
Connect the 3 foot female-to-female DC power cable (supplied) between the "Output" port on the power converter and a device to be powered. Use the chart on page 3 ("Maximum Current") to determine the maximum load that can be placed on the power converter.

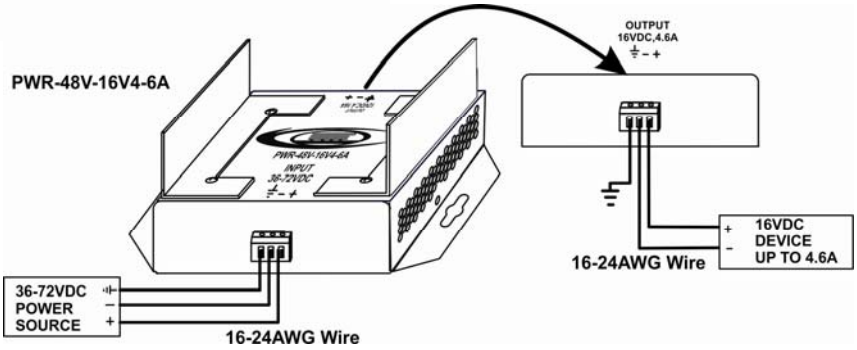


Models with Terminal Block Output Connections

Connect a device using 16-24AWG stranded wire (select wire size dependant upon your power requirements) to the "+" , "-" and "⏚ " (earth ground) connections via the removable terminal block. Use the chart below ("Output Voltage" and "Max. Current") to determine what devices can be connected to the OUTPUT terminals on the power converter.

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





TECHNICAL SPECIFICATIONS

Model	Input Range (VDC)	Output Voltage (VDC)	Max. Current (Amps)	Operating Range	Dimensions WxDxH: (In.)
Models w/DC Output Jack					
PWR-48V-5V1A	36-72	5	1	-13 to 158°F (-25 to 70°C)	1.63x2.13x1.08
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-9V0-6A	36-72	9	0.6	-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-48V-12V1-6A-LT	18-72	12	1.6	-40 to 158°F (-40 to 70°C).	3.18x3.09x1.08
PWR-48V-48V1A-LT	18-72	48	1	-40 to 176°F (-40 to 80°C).	3.18x3.09x1.08
PWR-24V-5V2A	18-36	5	2	-13 to 158°F (-25 to 70°C)	3.18x3.09x1.08
PWR-12V-9V0-6A	9-18	9	0.6	-40 to 158°F (-40 to 70°C).	3.18x3.09x1.08
PWR-12V-5V1-5A-LT	9-18	5	1.5	-40 to 158°F (-40 to 70°C).	1.63x2.13x1.08
Models w/ 3-Terminal Block Output					
PWR-48V-5V10A-LT	36-72	5	10	-40 to 158°F (-40 to 70°C).	3.18x3.09x1.08
PWR-48V-12V4-16A	36-72	12	4.16	-40 to 158°F (-40 to 70°C).	3.18x3.09x2.20
PWR-48V-16V4-6A	36-72	16	4.6	-40 to 158°F (-40 to 70°C).	3.18x3.09x2.20

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

CHANGES

The material in this guide is for information only and is subject to change without notice. Network Technologies Inc reserves the right to make changes in the product design without reservation and without notification to its users.

WARRANTY INFORMATION

The warranty period on this product (parts and labor) is two (2) years from date of purchase. Please contact Network Technologies Inc at (800) 742-8324 or 330-562-7070 for information regarding repairs and/or returns. A return authorization number is required for all repairs/returns.