PRL-760E-120/220, FOUR OUTPUT AC/DC ADAPTER FOR PULSE RESEARCH LAB MODULES

APPLICATIONS

- Powering Pulse Research Lab Modules

FEATURES

- 4 DC Output Jacks, 4P4C
- 2 Output Voltages, +9.0, -9.0 VDC
- 2 A per rail
- Auto-switching 120/220 VAC input, 50/60 Hz
- AC Fuse Current Limit



x4

PRL-760E-120/220, 4-Output Power Supply

DESCRIPTION

The **PRL-760E-120/220** is a four-output auto-switching AC/DC power supply adapter for powering Pulse Research Lab modules. The four sets of DC outputs are designed for powering all modules from Pulse Research Lab except for the PRL-470 Series and the PRL-177A series, which require the PRL-760C-120 or PRL-760C-220. The **PRL-760E-120/220** replaces the PRL-760C-120, PRL-760C-220, and PRL-760D-120/220 in all applications except for the two series mentioned above.

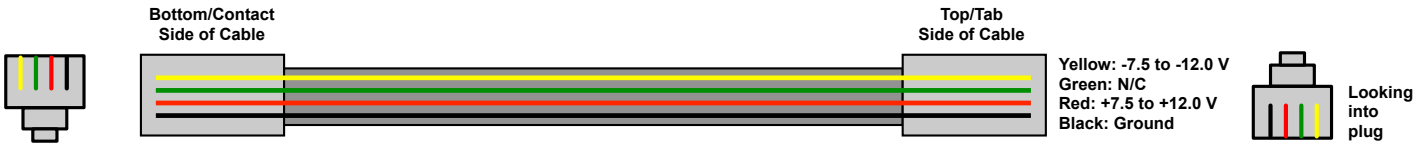
Each output jack from the **PRL-760E-120/220** supplies 2 regulated voltages, nominally +9.0 VDC and -9.0 VDC, and a common return via a 4-position, 4 conductor (4P4C) modular jack. Not all PRL products use both supply voltages; many use only the +9.0 V voltage, and some use only the -9.0 V voltage. Please check each module's specifications to see the voltages and currents required.

The **PRL-760E-120/220** is housed in a 3.86 x 1.68 x 4.53-in. molded plastic enclosure with a detachable AC input cable (US, two-prong unpolarized, NEMA 1-15) and an internal fuse.

Most PRL products requiring power are bundled with a power supply equivalent to **PRL-760E**, with one DC output cable. This power supply may also be ordered separately under marketing part number **PRL-760E-120/220**, which includes the following:

- PRL-760E, power supply "brick" with marking "PRL-760E", one AC input socket, and 4 DC output jacks, no cables
- 33000101, 2-prong AC power cord, NEMA1-15 (U.S. unpolarized plug) to C7 unpolarized, 6'
- 4 DC output cables, 88000102-4, with 4P4C modular plugs, 4'

For use outside the U.S., use either a plug adapter or a C7 unpolarized AC cable with the required AC plug for your country. DC power from the PRL-760E may be further distributed using the PRL-730 Voltage Distribution Module, with 8 bussed 4P4C jacks.



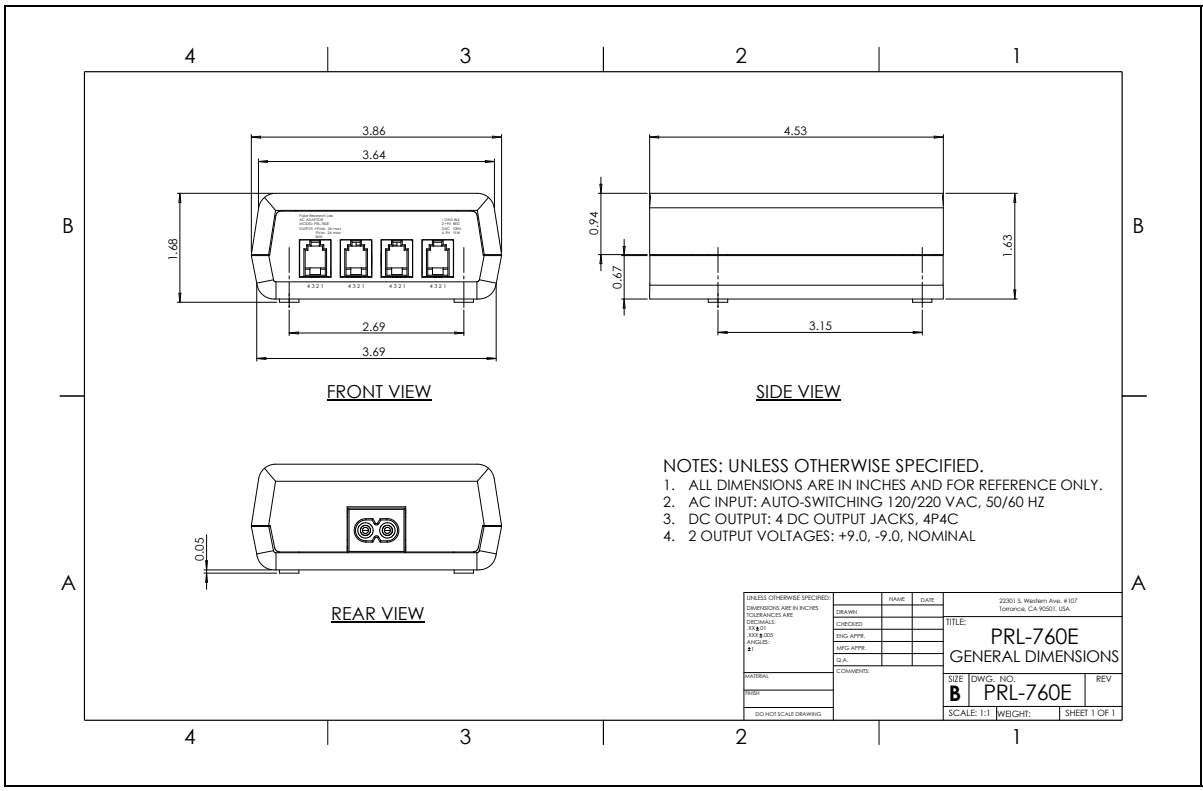
PRL "straight-through" cable connects Pin 1 to Pin 1, etc. Note that these connectors are typically provided without pin numbers, or with pin numbering that differs from manufacturer to manufacturer, so rely on the wire colors and physical positioning instead of any provided pin numbering.

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SPECIFICATIONS (0° C ≤ T_A ≤ 35° C)*

SYMBOL	PARAMETER	Min	Typ	Max	UNIT	Comment
V_{AC}	AC/DC Adapter Input Voltage Range	94		246	V	Rated 100-240 VAC
Frequency	AC/DC Adapter Input Frequency	47	60	63	Hz	Rated 50 - 60 Hz
I_{AC1}	AC Input Current @ 120VAC/60Hz/full load		0.57		A	
I_{AC2}	AC Input Current @ 220VAC/60Hz/full load		0.39		A	
V_{DC1}	DC Output Voltage, +9.0 VDC rail	9.0	9.2	9.3	V	unloaded
I_{DC1}	Maximum DC Output Current +9.0 VDC rail			2.0	A	
V_{DC2}	DC Output Voltage, -9.0 VDC rail	-9.3	-9.2	-9.0	V	unloaded
I_{DC2}	Maximum DC Output Current -9.0 VDC rail	-2.0			A	
T_{PO}	Power On Time			4	sec	
	Overload Protection	Auto recovery once fault is removed				
	DC output socket connector	4P4C				Modular Jack
	DC output cable length	4			ft	
	AC inlet	C8 socket				unpolarized
	AC supply cable, adapter side	C7 plug				unpolarized
	AC supply cable, wall side	NEMA 1-15[1]				unpolarized
	AC input cable length	6			ft	
	Input Fuse	3.15 A/250 VAC				Littlefuse 40013150440
	Size	3.86 x 1.68 x 4.53			in	
	Shipping Weight	0.8			lb	

(1) NEMA 1-15 shipped with each unit, but international AC cords are available separately.
Internal fuse rated 3.15 A/250 VAC, 400 Series TE5, Littlefuse p/n 40013150440 or equivalent.



* The **PRL-760E-120/220** is designed for use with PRL products only. Performance under any other application is not guaranteed.

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