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PRL-760B, POWER SUPPLY FOR PULSE RESEARCH LAB MODULES

APPLICATIONS

- Powering Pulse Research Lab Modules

FEATURES

- DC Output Cable, 4P4C
- 3 Output Voltages, +8.5, -8.5, +17, nominal
- Manually switchable 110 VAC or 220 VAC input, 50/60 Hz
- AC Fuse Current Limit



PRL-760B Power Supply,

DESCRIPTION

The PRL-760B is a linear power supply for powering Pulse Research Lab modules.

The input supply voltage can be manually selected to be either 110 VAC or 220 VAC (±10%) by a slider switch. This supply is not auto-switching, and connecting it to the incorrect supply voltage will void your warranty and may damage the unit and the modules attached to the unit.

The DC output is designed for powering modules from Pulse Research Lab. The output supplies 3 voltages, nominally -8.5 VDC, +8.5 VDC, and +17 VDC, and a common return via a 4-position, 4 conductor (4P4C) modular plug. Not all PRL products use all 3 supply voltages; many use only the ±8.5 V voltages, and some use only the +8.5 V voltage. Please check each module's specifications to see the voltage and currents required.

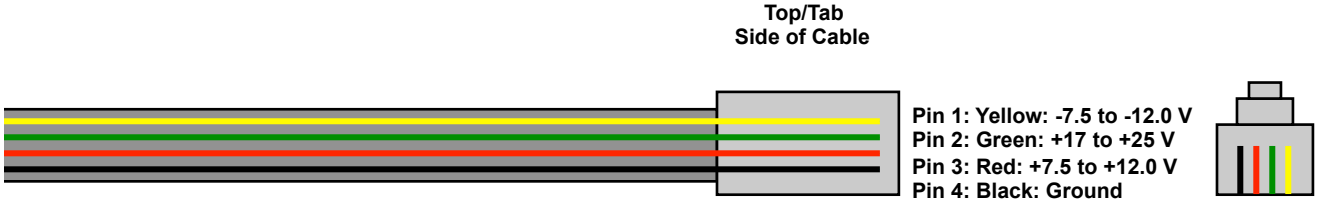
The PRL-760B is housed in a 3.52 x 2.35 x 4.36-in. molded plastic enclosure with a hard-wired AC input cable (US, two-prong polarized*, NEMA 1-15P) and a 250VAC/1A slow-blow fuse (5mm x 20mm).

This power supply was supplied as the following part numbers:

- PRL-760B-120, with the input voltage selector switched for 120 VAC input
- PRL-760B-220, with the input voltage selector switched for 220 VAC input

The input selector may be changed by the user at any time.

The PRL-760B has been discontinued, and this information is provided for reference only. All new applications should use PRL-760C.

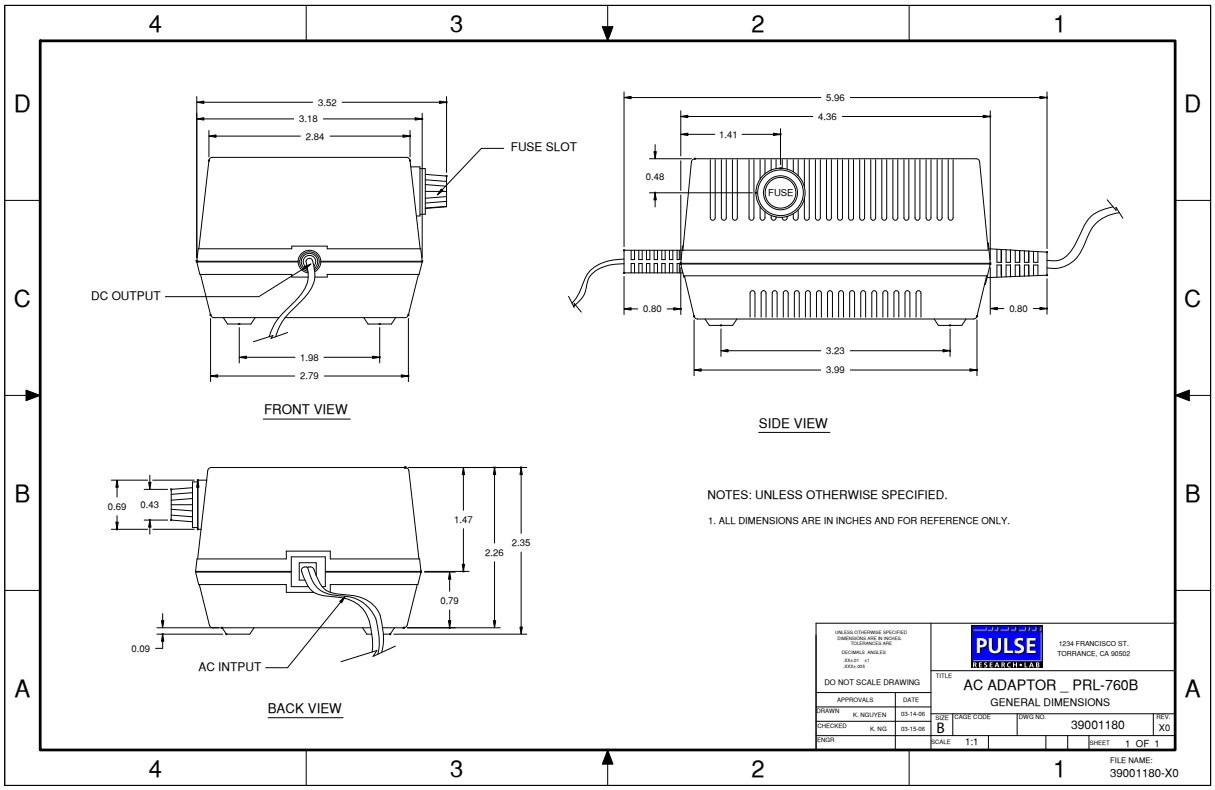


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*PRELIMINARY SPECIFICATIONS (0° C ≤ T_A ≤ 35° C)

SYMBOL	PARAMETER	Min	Typ	Max	UNIT	Comment
V_{AC1}	AC/DC Adapter Input Voltage (120 VAC)	99	110	121	V	
V_{AC2}	AC/DC Adapter Input Voltage (220 VAC)	198	220	242	V	
V_{DC1}	DC Output Voltage, +8.5 VDC rail	10	12	14	V	unloaded
I_{DC1}	Maximum DC Output Current +8.5 VDC rail		1.40	1.54	A	
V_{DC2}	DC Output Voltage, -8.5 VDC rail	-14	-12	-10	V	unloaded
I_{DC2}	Maximum DC Output Current -8.5 VDC rail	-1.54	-1.40		A	
V_{DC3}	DC Output Voltage, +17 VDC rail	22	24	26	V	unloaded
I_{DC3}	Maximum DC Output Current +17 VDC rail	-	200	256	mA	
	AC input plug connector	NEMA 1-15P				Polarized*
	AC input cable length	4.7’	5.0’	5.3’		
	DC output connector	4P4C				Modular Plug
	Size	3.52 x 2.35 x 4.36			in.	
	Shipping Weight	3.0			lb	

* On earlier hardware revisions of the PRL-760B the AC input plug was non-polarized.



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