



Applied Resources, Inc.
 1407 Dixon Bridge Rd., Maysville, Georgia 30558
 voice: (706) 652-3532 fax: (650) 475-3954

ACCURACY

UTILITY

VERSATILITY

PRICE

LPS IIa / Loop Power Supply

Regulated 24VDC

Power transmitters and other 24VDC devices for hours off a single 9V battery

Shirt Pocket size

Convenient, rugged, go-anywhere case is toolbox tough

Low noise

Will not interfere with smart transmitter communications

Current Monitor Jack

Attaches to any reference milliammeter to monitor the loop current.

ON/OFF switch - Disconnects the battery from the internal 24V boost converter. The quiescent operating current of the internal power supply is approximately 110uA. This results in a battery drain of only 1% per 24 hour period if the unit is left on with no load.

Output Terminals - the 24V output terminals are flush mounted miniature banana jacks.

Current Monitor - The current monitor jack is a normally closed, 2.1 x 5.5 mm DC jack in series with the 24V output. To power a transmitter and simultaneously monitor the loop current, insert the current monitor cable into the current monitor jack and attach the other end to a reference millammeter.

Specifications:

Output Voltage	nominal 24 Volts DC
Output noise & ripple	<100 mV
Load range	0-25 mA
Line/Load regulation	2%
Output protection	No damage due to being short circuited. Protected by PTC thermistor.
Battery life	37 hours @ 4 mA 12 hours @ 12 mA 7 hours @ 20 mA
Size	3.8" x 2.4" x .0"
Weight (with battery)	3.6 oz.
Operating Temperature range	-20 to 50 degrees C



Warranty

Applied Resources products are warranted to be free from all latent defects in material and workmanship under normal use and service. Should any of our products be found to be defective within one (1) year from date of shipment, Applied Resources will replace, repair or adjust the equipment at our option. The defective product shall be sent to the Applied Resources manufacturing facility with all transportation charges prepaid.

Accessories & Ordering Info

The LPS IIa comes with output voltage test leads, current monitor cable and single 9V battery.

MODEL LPS IIa Loop Power Supply

LPS IIa