

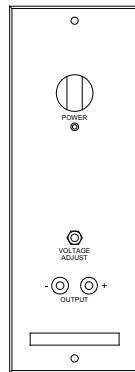
The LPS801 Loop DC Power Supply replaces the obsolete Hagan 7100 loop power supplies. Hagan offered two models, the 137-121, which supplied 45 Vdc, and the 137-122, which supplied 40 Vdc. Both models were offered in one-, two-, and three-loop variations.

The LPS801 is a linear power supply with a modular construction that accommodates one to three power units. Each power unit is independent; one ac input corresponds exactly to one dc output.

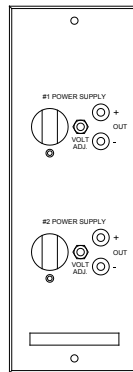
Each power unit provides a regulated, current-limited, adjustable output voltage (with a specified range), to one or more loop transmitters. Unlike the Hagan units, all necessary adjustments and measurements can be made from the face plate.



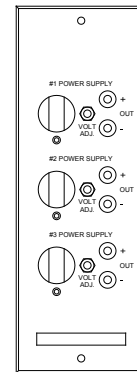
LPS801-3/1



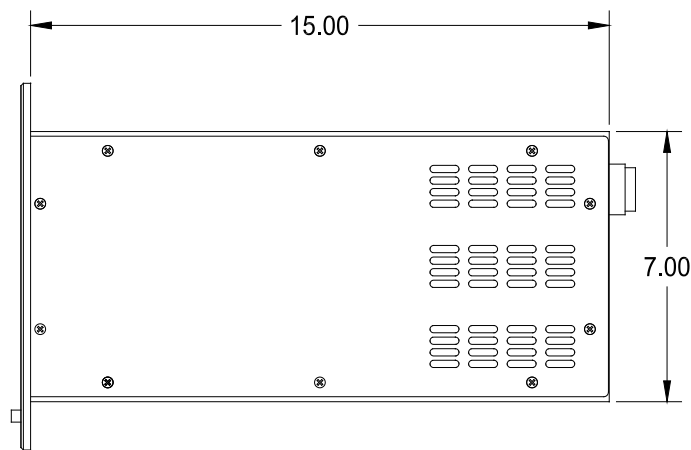
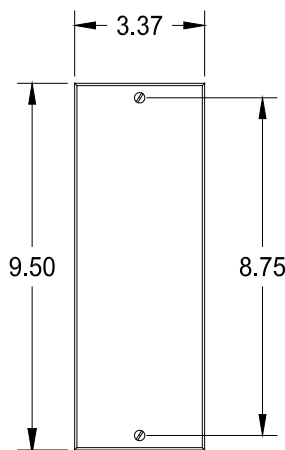
LPS801-1
SINGLE LOOP P/S



LPS801-2
DOUBLE LOOP P/S



LPS801-3
TRIPLE LOOP P/S



NUSI 800 Series

Loop DC Power Supply

SPECIFICATIONS

Power Supply Voltage:	117 Vac RMS ($\pm 10\%$), 60 Hz ($\pm 5\%$)
Power Consumption:	10 W maximum per regulator
Input Fuse:	0.250 A slow blow, 250 Vac, 3AG
Output:	"/1" Option adjustable from 38.6 to 46.0 Vdc. Other voltages available upon request
Line Regulation:	Less than or equal to 0.25 % of output voltage with ac variations from low line to high line
Load Regulation:	Less than or equal to 0.5% of output voltage with load change from 4 to 70 mA
Ripple:	Less than 20 mV peak to peak @ 70 mA load
Current Limit:	Output short circuit current less than or equal to 130 mA
Electrical Qualification:	Plant protection, qualified to IEEE 323 1974/1983 and IEEE 344 1975/1987
Ambient Temperature:	35 °F to 122 °F (2 °C to 50 °C) (normal operation) 122 °F to 135 °F (50 °C to 57 °C) (abnormal operation for 200 hours) -40 °F to 185 °F (-40 °C to 85 °C) (storage)
Relative Humidity:	0% RH to 95% RH, non-condensing
Pressure:	Atmospheric
Radiation Limits:	10 ⁴ rad TID gamma over forty years

HOW TO ORDER

The model number and configuration typically should be specified as follows:

LPS80A-B/C

- A = 0 for yellow power LED and pin jacks on the face plate.
1 for red power LED and banana jacks on the face plate.
- B = 1, 2, or 3, for the number of installed power units.
- C = 1 for 38.6 to 46.0 Vdc output from each power unit.
(Other output voltages available upon request.)

CONTACT INFORMATION:

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