

Model N Power Supply



DC Output Harness (P/N 415-1400-00)

- Converts AC line voltage to regulated DC voltage
- Four input / output voltage configurations:
 - 120 VAC input / 12 VDC output
 - 120 VAC input / 16 VDC output
 - 240 VAC input / 12 VDC output
 - 240 VAC input / 16 VDC output
- Front panel LEDs provide indications of AC input voltage and DC output voltage
- Power switch controls input line voltage
- Six foot DC output harness included
- Optional wall mount bracket available

Ordering Information:

Model N - XXXX - XXXX (X)

Blank = Wall mount bracket not included, **WALL MOUNT** = Wall mount bracket included
12D or 16D: 12D = 12 VDC output voltage, 16D = 16 VDC output voltage
120A or 240A: 120A = 120 VAC input voltage, 240A = 240 VAC input voltage

The Model N power supply transforms 120 or 240 VAC, 60 Hz input voltage into regulated 12 or 16 VDC. The regulated DC output is rated for a maximum of 1.4 Amp of load current. The Model N is available in four input / output voltage configurations: 120 VAC, 60 Hz input / 12 VDC output; 120 VAC, 60 Hz input / 16 VDC output; 240 VAC, 60 Hz input / 12 VDC output; or 240 VAC, 60 Hz input / 16 VDC output.

Model N Specifications

This is a Performance Specification. It is not intended to be used as Operating Instructions.

General Description: The Model N power supply transforms 120 or 240 VAC, 60 Hz input voltage into regulated 12 or 16 VDC. The regulated DC output is rated for a maximum of 1.4 Amp of load current. The Model N is available in four input / output voltage configurations: 120 VAC, 60 Hz input / 12 VDC output; 120 VAC, 60 Hz input / 16 VDC output; 240 VAC, 60 Hz input / 12 VDC output; or 240 VAC, 60 Hz input / 16 VDC output.

Input Indicators: A front panel LED labeled AC IN provides an indication of AC input voltage. The LED is illuminated when the AC input-voltage is above 95 VAC (120 VAC models) or 230 VAC (240 VAC models).

Output Indicators: A front panel LED labeled DC OUT provides an indication of DC output voltage. The LED is illuminated when DC output voltage is present.

Power Switch: A power switch mounted on the front panel controls the input line voltage.

Fuse Protection: The power supply is protected by a 1.50 Amp fuse mounted in a front panel mounted fuse holder.

Circuit Board: Printed circuit boards are 0.062 inch thick FR4 material with 2 oz. copper on both sides and plated through holes. Circuit boards and components are conformal coated with polyurethane.

Input Power Cord: AC line voltage is connected to the power supply via a six foot power cord with unterminated leads. (See Pin Assignments tables.)

Output Power Harness Regulated: DC output voltage is accessed via a front panel mounted two pin female connector (Molex p/n 03-06- 1022). The power supply includes a six foot output voltage harness (Reno A&E p/n 415-1400-00) with a mating connector (Molex p/n 03-06- 2023) and unterminated leads. (See Pin Assignments tables.)

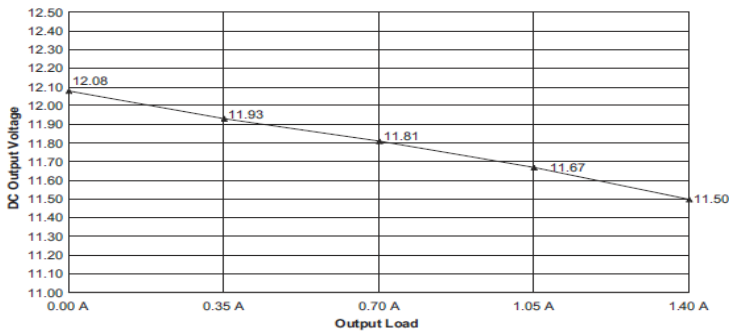
Operating Temperature: -30° F to +165° F (-34° C to +74° C).

Weight: 2.44 lb (1.11 kg).

Size: 3.75 inches (9.53 cm) high x 2.00 inches (5.08 cm) wide x 6.00 inches (15.24 cm) deep.

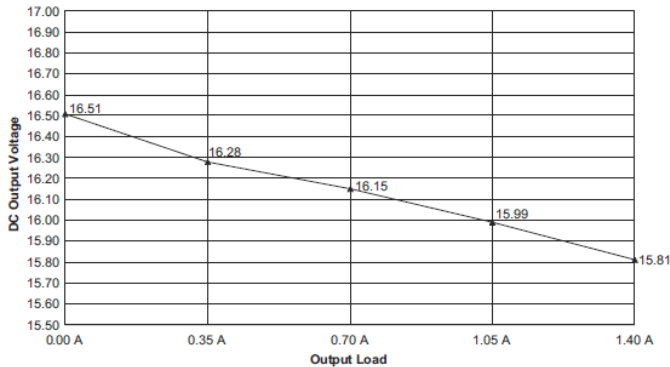
DC Output Voltage and Output Load Current

120 VAC / 12 VDC



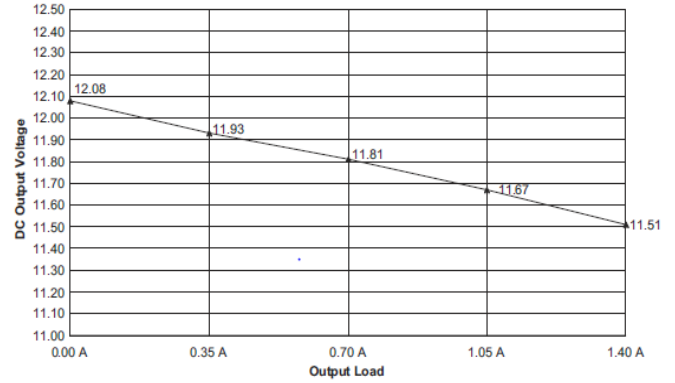
NOTE: DC Output Voltage / Output Load Current shown for 120 VAC input voltage. DC Output Voltage varies by no more than $\pm 0.26\%$ over the input voltage range of 95 to 135 VAC.

120 VAC / 16 VDC



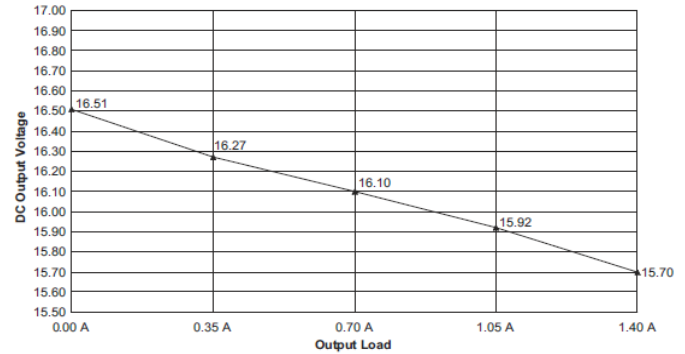
NOTE: DC Output Voltage / Output Load Current shown for 120 VAC input voltage. DC Output Voltage varies by no more than $\pm 0.25\%$ over the input voltage range of 95 to 135 VAC.

240 VAC / 12 VDC



NOTE: DC Output Voltage / Output Load Current shown for 240 VAC input voltage. DC Output Voltage varies by no more than $\pm 0.26\%$ over the input voltage range of 190 to 230 VAC.

240 VAC / 16 VDC



NOTE: DC Output Voltage / Output Load Current shown for 240 VAC input voltage. DC Output Voltage varies by no more than $\pm 0.19\%$ over the input voltage range of 190 to 230 VAC.

AC IN Connections (AC Power Cord)

Wire Color	Function
Black	AC Line
White	AC Neutral
Green	Earth Ground

DC OUT Connections (Reno A&E Wiring Harness P/N 415-1400-00)

Terminal	Function
Black	DC Common
Red	DC +