

INSTRUCTIONS FOR #85502 POWER SUPPLY

This Power Supply will provide 12 Volts DC at up to 33 amps for a total capability of 400 watts. It must be connected to standard household AC power through a properly wired connection or a three-prong line cord with ground. There is an insulated terminal strip with screw connectors for making all connections to the power supply. Standard household AC power in North America is between 110 and 120 Volts AC.

Instructions for wiring the connections to the #85502 Power Supply

1. Lift up the terminal strip plastic cover as shown in **Figure 1** to gain access to the terminal strip.
2. Connect the input AC power to the three screw terminals on the right labeled \perp , N, and L, for Ground, Neutral, and Line. A standard line cord will use the green wire for Ground, the black wire for Line, and the white wire for Neutral as shown in **Figure 2**.



FIGURE 1

3. The terminal strip has three screw terminals marked "+" and three more marked "-". Connect your 12 Volt DC wires to these terminals making sure your positive (+) connection(s) go to any of the "+" terminals and that your negative (-) connection(s) go to any of the "-" terminals. The 12V DC wire color convention is red for the positive (+) and black for the negative (-) as shown in **Figure 2**.



FIGURE 2

4. Close the plastic cover back into position to cover the terminals and you're done!

Note: The Power Supply is energized whenever AC power is being supplied. The fan will only run when necessary to cool the power supply. Do not block the cooling air openings.

Mounting: Mount the power supply in such a way as to ensure that nothing can fall into the opening around the terminal strip and that no one can stick objects or fingers into the opening. There are several M4 tapped screw holes in the sides of the case that can be used for attaching brackets for mounting. Screws must not protrude into the case.

**If you need technical assistance,
please call 1-908-464-1094 weekdays, 1pm to 5pm ET.**

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