

Model 2200B-N

Power Supply Adjustment Instructions



! IMPORTANT SAFEGUARDS !

When using electrical equipment, basic safety precautions should always be followed including the following:

READ AND FOLLOW ALL SAFETY INSTRUCTIONS:

- This product must be installed and serviced by licensed electrical contractors familiar with these instructions
- Always install in accordance with all applicable electrical codes
- Always disconnect power from the FLATLITE® system before servicing
- Use of any components not supplied with the FLATLITE® system or the modification of the components supplied, may cause an unsafe condition
- Do not use this equipment for other than its intended purpose
- This equipment is approved and rated for connection of lamps as specified. Never exceed the Total Load Rating of any power supply.

SAVE THESE INSTRUCTIONS

- 1 Remove the cover from the power supply and place so the components inside are accessible, and the switches are facing you. Be certain that the supply is completely disconnected from any power source.
- 2 Confirm that the input voltage select jumper is placed correctly for your operating voltage 110 or 220 VAC.
- 4 Move the "FLASH" switch and the "On/ Off" switch to the off position.
- 5 Locate the output and limit adjust pots. The output pot is closest to you, white, and to the right of the board. The limit pot is closer to the toroidal choke, blue, and centered on the board. **Only use non-conductive tools to adjust these pots!**
- 6 Turn the output pot all the way counterclockwise, set the limit pot at approximately the midpoint.
- 7 Connect a voltmeter capable of reading up to 400 VAC rms to the output of the power supply (usually by inserting the probes into the back of the molex™ lamp connector)
- 8 After ensuring that all lamp connections have been made and properly insulated, connect the power supply to an appropriate grounded power outlet. NOTE: that all adjustments must be made with lamp connected to power supply.
- 9 Turn on Power Supply, the lamp should be dimly lit, and the voltage should read less than 280VAC.
- 10 Adjust the voltage output and limit:
 - a) Slowly turn the output pot clockwise until the meter reads at least 330VAC but not more than 350VAC. If the voltage does not rise to 330VAC, turn the limit pot counter-clockwise 1/4 turn.
 - b) Slowly turn the limit pot clockwise until the voltage decreases to 330VAC.
 - c) Allow the supply to stabilize for several minutes, adjust if necessary
 - d) Next, turn the output pot counter-clockwise to 280VAC or your desired output voltage
 - e) Allow the system to stabilize for five minutes. Then re-adjust the voltage to 280VAC. At this setting, the lamp is operating at its brightest. To reduce the brightness, and increase the life of the lamp, adjust the output lower until the output matches your requirements.

