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› ZURICH 13.8V Regulated Power Supply (6 AMP) Instruction Manual

ZURICH DPS-124

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Model: DPS-124

INTRODUCTION

This manual provides essential information for the safe and efficient operation of your ZURICH 13.8V Regulated Power Supply, Model DPS-124. This unit is designed to deliver a stable 13.8 Volts DC output with a rated current of 4 Amps and a maximum current of 6 Amps, suitable for various electronic applications requiring a reliable DC power source.

SAFETY INFORMATION

- **Read all instructions:** Before operating the power supply, read and understand all instructions in this manual.
- **Proper Ventilation:** Ensure the unit is placed in a well-ventilated area to prevent overheating. Do not block ventilation openings.
- **Avoid Moisture:** Do not expose the power supply to rain, moisture, or excessive humidity.
- **Correct Voltage:** Connect the power supply only to an AC outlet providing the specified voltage (120V AC).
- **Current Limits:** Do not exceed the maximum output current of 6 Amps. Overloading can damage the unit or blow the fuse.
- **Fuse Replacement:** Only replace the fuse with one of the same type and rating.
- **Servicing:** Do not attempt to service the unit yourself. Refer all servicing to qualified personnel.

PACKAGE CONTENTS

- ZURICH 13.8V Regulated Power Supply (Model DPS-124)
- AC Power Cord

PRODUCT OVERVIEW

The ZURICH 13.8V Regulated Power Supply features a robust design with clearly labeled controls and output terminals on the front panel.



Figure 1: Front panel of the ZURICH 13.8V Regulated Power Supply. This image displays the power switch, fuse holder, positive (red) and negative (black) output terminals, and a label indicating the voltage (13.8V), rated current (4A), and maximum current (6A). The model number DPS-124 is also visible.

Front Panel Features:

- **POWER Switch:** A red rocker switch to turn the unit ON or OFF.
- **FUSE Holder:** Located below the power switch, this houses the protective fuse.
- **OUTPUT Terminals:** Red terminal for positive (+) output and black terminal for negative (-) output.
- **Specifications Label:** Indicates "VOLTAGE 13.8V", "RATED CURRENT 4A", and "MAX CURRENT 6A".
- **Model Number:** "MODEL: DPS-124" is displayed on the top right of the front panel.

SETUP

1. **Placement:** Position the power supply on a stable, flat surface with adequate clearance around all sides for proper ventilation.
2. **Power Connection:** Connect the supplied AC power cord to the power input on the rear of the unit and then to a

standard 120V AC wall outlet.

3. **Initial Switch Position:** Ensure the POWER switch on the front panel is in the OFF position.
4. **Load Connection:** Connect your device or load to the output terminals. Ensure the positive (+) terminal of your device is connected to the red output terminal of the power supply, and the negative (-) terminal of your device is connected to the black output terminal. Ensure connections are secure.

OPERATING INSTRUCTIONS

1. **Verify Connections:** Double-check all power and load connections are correct and secure.
2. **Power On:** Flip the POWER switch on the front panel to the ON position. The unit will now supply 13.8V DC.
3. **Monitor Load:** Ensure the current drawn by your connected device does not exceed the rated 4 Amps for continuous operation or the maximum 6 Amps for brief periods. Exceeding these limits can trigger protective measures or blow the fuse.
4. **Power Off:** When finished, flip the POWER switch to the OFF position. Disconnect the load and then the AC power cord if the unit will not be used for an extended period.

MAINTENANCE

- **Cleaning:** Keep the unit clean and free from dust. Use a soft, dry cloth for cleaning. Do not use liquid cleaners or solvents.
- **Ventilation:** Regularly check that the ventilation openings are not obstructed to ensure proper airflow and prevent overheating.
- **Fuse Check:** If the unit fails to power on, check the fuse located in the fuse holder on the front panel. Replace with a fuse of the identical type and rating if necessary.
- **Storage:** Store the power supply in a cool, dry place when not in use.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Unit does not power on.	No AC power, power switch is OFF, or blown fuse.	Check AC power cord connection. Ensure power switch is ON. Check and replace fuse if blown.
No output voltage.	Unit not powered on, incorrect load connection, or internal fault.	Ensure unit is powered on. Verify load connections (positive to red, negative to black). If problem persists, contact support.
Unit shuts down or fuse blows during operation.	Overload condition (current draw exceeds 6 Amps).	Reduce the load connected to the power supply. Ensure the total current draw is within the specified limits. Replace blown fuse with one of the same rating.
Unit feels excessively hot.	Insufficient ventilation or prolonged overload.	Ensure adequate airflow around the unit. Check for blocked vents. Reduce load if operating near maximum capacity for extended periods.

SPECIFICATIONS

Feature	Specification
Brand	ZURICH
Model Number	DPS-124
Input Voltage	120 Volts AC
Output Voltage	13.8 Volts DC
Rated Output Current	4 Amps
Maximum Output Current	6 Amps
Wattage	100 watts
Cooling Method	Air
Compatible Devices	Personal Computer (General purpose DC power supply)
Connector Type	ATX (Internal component classification)
UPC	656403849717
GTIN	656403849717

WARRANTY AND SUPPORT

Specific warranty details and direct manufacturer support contact information are not provided in the product data. For warranty claims or technical assistance, please refer to the documentation included with your purchase or contact the retailer from whom you purchased this ZURICH 13.8V Regulated Power Supply.