

Long Branch, NJ 07740 (800) 631-2148 www.wheelockinc.com

Thank you for using our products.

#### INSTALLATION INSTRUCTIONS REGULATED AND FILTERED POWER SUPPLY ("A" BATTERY)

Use this product according to this instruction manual. Please keep this instruction manual for future reference.

MODEL NO.: RPS-2440-A

**DESCRIPTION:** The RPS-2440-A Dual Power Supply consists of two "A" Battery outputs, each providing 2 Amps of current at 24VDC. When the two outputs are connected in parallel, the RPS-2440-A will provide up to 4 Amps of "A Battery current at 24VDC fully regulated and filtered, each output is provided with independent LED "power" on indicators; current limiting, overload and short circuit protection; automatic shutdown and reset.

**NOTE:** All **CAUTIONS** and **WARNINGS** are identified by the symbol  $\triangle$ . All warnings are printed in bold capital letters.

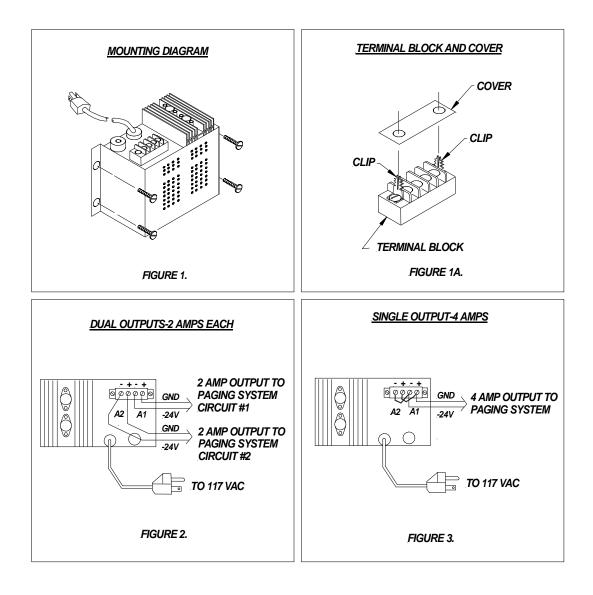
SPECIFICATIONS: Nominal Output Voltage: 24VDC Regulation: +/- 5% Ripple Voltage: 10 mVrms maximum Output Current: (A) Each output: 2.0A (B) Dual outputs: 4.0A (connected in parallel) Input Voltage: 117VAC, +/- 10%, 60Hz Installation: 4 Binding Posts Terminal Wire Gauge: (A) Minimum: 24 (American Wire Gauge) (B) Maximum: 14 (American Wire Gauge) Note: For 12 AWG Wire, use Spade Lugs. Duty Cycle: continuous Power Line Cord: 6 Ft.

INSTALLATION: The RPS-2440-A is designed for shelf or wall mounting.

**CAUTION:** Make sure the power supply switch is in the "OFF" position, and the power line cord is not plugged in.

- 1) Using the mounting screws provided, mount the Power Supply to a secure wooden surface. For other surfaces, appropriate mounting hardware should be used See Figure 1.
- 2) Remove terminal block cover by squeezing the clips at each end. See Figure 1A.
- 3) Each of the Power Supply outputs provides 2 Amps. This allows 24VDC (to power the Paging System) to be conveniently distributed over 2 independent 2 Amp circuits. See Figure 2. Alternately, the 2 outputs can be connected in parallel to provide one 24VDC circuit providing up to 4 Amps. See Figure 3. Connect 24VDC to the Paging System, as specified on the individual product instruction sheets. Snap cover back onto the terminal block clips.
- 4) Plug in the Power Supply cord to a 117VAC outlet and push the power switch to the "ON" position. The 2 red "power" on LED's (on the front panel will illuminate to indicate power is being supplied to each output. Each LED can be identified with its related output by the designations A1 and A2.

Copyright 2001 Wheelock, Inc. All rights reserved.



### TROUBLE SHOOTING:

**CONDITION** 

24VDC not being supplied to paging system equipment.

#### **CHECK**

- 1) Verify that an input voltage of 105.3 to 128.7 VAC at 60HZ is present.
- 2) The power switch should be in the "ON" position.
- 3) If the circuit breaker (on the back of the unit) has tripped,
  - push in the reset button in the center of the circuit breaker.

If the problem still exists, turn the power supply off. Disconnect the field wiring from the binding posts of the malfunctioning circuit (ie. A1, A2 or both A1 and A2 if connected in parallel). Turn on the power supply and check for the presence of 24VDC at the output terminals. The power on LED's should also be lit. If the power supply is operating properly, check the field wiring for a short circuit condition. Also verify that the connected paging systems equipment does not draw more than 2 Amps per output, or more than 4 Amps when the outputs are connected in parallel. If the problem is determined to be the power supply, return the unit to Wheelock for servicing.

# **A** CAUTION: TO PREVENT ELECTRIC SHOCK DO NOT REMOVE COVER. NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

## IMPORTANT: READ SEPARATE "GENERAL INFORMATION" SHEET FOR INFORMATION ON THE PLACEMENT, LIMITATIONS, INSTALLATION, FINAL CHECKOUT, AND PERIODIC TESTING OF NOTIFICATION APPLIANCES.

ANY MATERIAL EXTRAPOLATED FROM THIS DOCUMENT OR FROM WHEELOCK MANUALS OR OTHER DOCUMENTS DESCRIBING THE PRODUCT FOR USE IN PROMOTIONAL OR ADVERTISING CLAIMS, OR FOR ANY OTHER USE, INCLUDING DESCRIPTION OF THE PRODUCT'S APPLICATION, OPERATION, INSTALLATION AND TESTING IS USED AT THE SOLE RISK OF THE USER AND WHEELOCK WILL NOT HAVE ANY LIABILITY FOR SUCH USE.

### **Limited Warranty**

Wheelock products must be used within their published specifications and must be PROPERLY specified, applied, installed, operated, maintained and operationally tested in accordance with these instructions at the time of installation and at least twice a year or more often and in accordance with local, state and federal codes, regulations and laws. Specification, application, installation, operation, maintenance and testing must be performed by qualified personnel for proper operation in accordance with all of the latest National Fire Protection Association (NFPA), Underwriters' Laboratories (UL), Underwriters' Laboratories of Canada (ULC), National Electrical Code (NEC), Occupational Safety and Health Administration (OSHA), local, state, county, province, district, federal and other applicable building and fire standards, guidelines, regulations, laws and codes including, but not limited to, all appendices and amendments and the requirements of the local authority having jurisdiction (AHJ). Wheelock products when properly specified, applied, installed, operated, maintained and operationally tested as provided above are warranted against mechanical and electrical defects for a period of three years from date of manufacture (as determined by date code). Correction of defects by repair or replacement shall be at Wheelock's sole discretion and shall constitute fulfillment of all obligations under this warranty. THE FOREGOING LIMITED WARRANTY SHALL IMMEDIATELY TERMINATE IN THE EVENT ANY PART NOT FURNISHED BY WHEELOCK IS INSTALLED IN THE PRODUCT. THE FOREGOING LIMITED WARRANTY SPECIFICALLY EXCLUDES ANY SOFTWARE REQUIRED FOR THE OPERATION OF OR INCLUDED IN A PRODUCT. WHEELOCK MAKES NO REPRESENTATION OR WARRANTY OF ANY OTHER KIND, EXPRESS, IMPLIED OR STATUTORY WHETHER AS TO MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER MATTER.

USERS ARE SOLELY RESPONSIBLE FOR DETERMINING WHETHER A PRODUCT IS SUITABLE FOR THE USER'S PURPOSES, OR WHETHER IT WILL ACHIEVE THE USER'S INTENDED RESULTS. THERE IS NO WARRANTY AGAINST DAMAGE RESULTING FROM MISAPPLICATION, IMPROPER SPECIFICATION, ABUSE, ACCIDENT OR OTHER OPERATING CONDITIONS BEYOND WHEELOCK'S CONTROL.

SOME WHEELOCK PRODUCTS CONTAIN SOFTWARE. WITH RESPECT TO THOSE PRODUCTS, WHEELOCK DOES NOT WARRANTY THAT THE OPERATION OF THE SOFTWARE WILL BE UNINTERRUPTED OR ERROR-FREE OR THAT THE SOFTWARE WILL MEET ANY OTHER STANDARD OF PERFORMANCE, OR THAT THE FUNCTIONS OR PERFORMANCE OF THE SOFTWARE WILL MEET THE USER'S REQUIREMENTS. WHEELOCK SHALL NOT BE LIABLE FOR ANY DELAYS, BREAKDOWNS, INTERRUPTIONS, LOSS, DESTRUCTION, ALTERATION, OR OTHER PROBLEMS IN THE USE OF A PRODUCT ARISING OUT OF OR CAUSED BY THE SOFTWARE.

THE LIABILITY OF WHEELOCK ARISING OUT OF THE SUPPLYING OF A PRODUCT, OR ITS USE, WHETHER ON WARRANTIES, NEGLIGENCE, OR OTHERWISE, SHALL NOT IN ANY CASE EXCEED THE COST OF CORRECTING DEFECTS AS STATED IN THE LIMITED WARRANTY AND UPON EXPIRATION OF THE WARRANTY PERIOD ALL SUCH LIABILITY SHALL TERMINATE. WHEELOCK IS NOT LIABLE FOR LABOR COSTS INCURRED IN REMOVAL, REINSTALLATION OR REPAIR OF THE PRODUCT BY ANYONE OTHER THAN WHEELOCK OR FOR DAMAGE OF ANY TYPE WHATSOEVER, INCLUDING BUT NOT LIMITED TO, LOSS OF PROFIT OR INCIDENTAL OR CONSEQUENTIAL DAMAGES. THE FOREGOING SHALL CONSTITUTE THE SOLE REMEDY OF THE PURCHASER AND THE EXCLUSIVE LIABILITY OF WHEELOCK.

IN NO CASE WILL WHEELOCK'S LIABILITY EXCEED THE PURCHASE PRICE PAID FOR A PRODUCT.

### **Limitation of Liability**

WHEELOCK'S LIABILITY ON ANY CLAIM OF ANY KIND, INCLUDING NEGLIGENCE AND BREACH OF WARRANTY, FOR ANY LOSS OR DAMAGE RESULTING FROM, ARISING OUT OF, OR CONNECTED WITH THIS CONTRACT, OR FROM THE MANUFACTURE, SALE, DELIVERY, RESALE, REPAIR OR USE OF ANY PRODUCT COVERED BY THIS ORDER SHALL BE LIMITED TO THE PRICE APPLICABLE TO THE PRODUCT OR PART THEREOF WHICH GIVES RISE TO THE CLAIM. WHEELOCK'S LIABILITY ON ANY CLAIM OF ANY KIND SHALL CEASE IMMEDIATELY UPON THE INSTALLATION IN THE PRODUCT OF ANY PART NOT FURNISHED BY WHEELOCK. IN NO EVENT SHALL WHEELOCK BE LIABLE FOR ANY CLAIM OF ANY KIND UNLESS IT IS PROVEN THAT OUR PRODUCT WAS A DIRECT CAUSE OF SUCH CLAIM. FURTHER, IN NO EVENT, INCLUDING IN THE CASE OF A CLAIM OF NEGLIGENCE, SHALL WHEELOCK BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE PRECEDING LIMITATION MAY NOT APPLY TO ALL PURCHASERS.