



AlphaRefuge™ PWR2410A Power Supply Installation, Use and Wiring Instructions

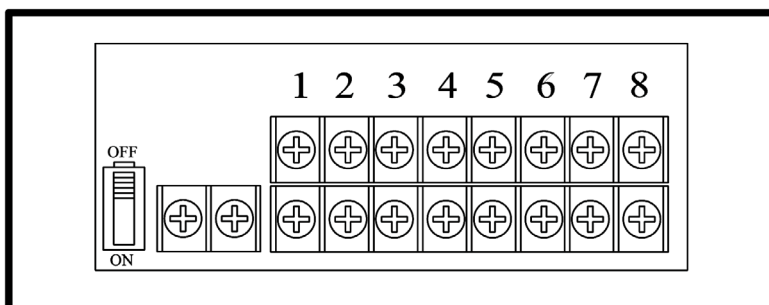
24 Volt Power Supply

Installation:

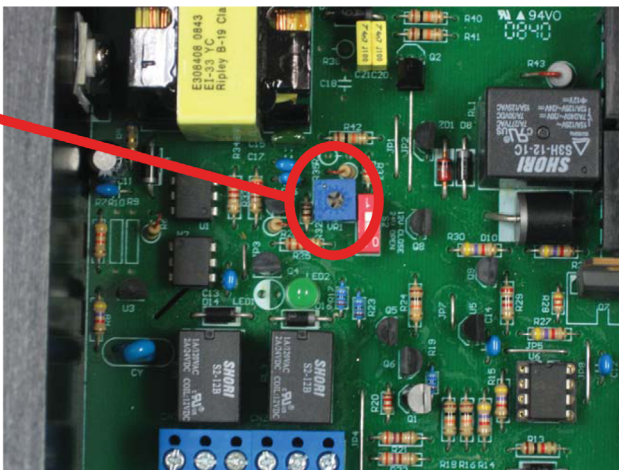
- Locate a suitable mounting location for the supply
- Mount the Power Supply using 6 mounting screws (not provided) and punch out conduit knockouts for wire runs
- For each Call Box you must run an 18 gauge, 2 wire set down to the Power Supply
- Feed the AC power cable through the knockout located on the bottom of the Power Supply. Attach the power cable to the proper screw terminals – See Power Supply diagram below
- Attach the power cables from the appropriate Call Boxes to the Power Supply
- For up to 5 Call Boxes, wire 1 set of power cables to individual ports numbered 1 through 5 on the Power Supply. One wire will go to the top screw of the port; the other will go to the bottom port
- For 6 to 10 Call Boxes, wire one set of power cables to individual ports 1 - 8. Wire 2 sets of power cables to port 7 and/or 8.

Do not wire more than 5 Call Boxes per port.

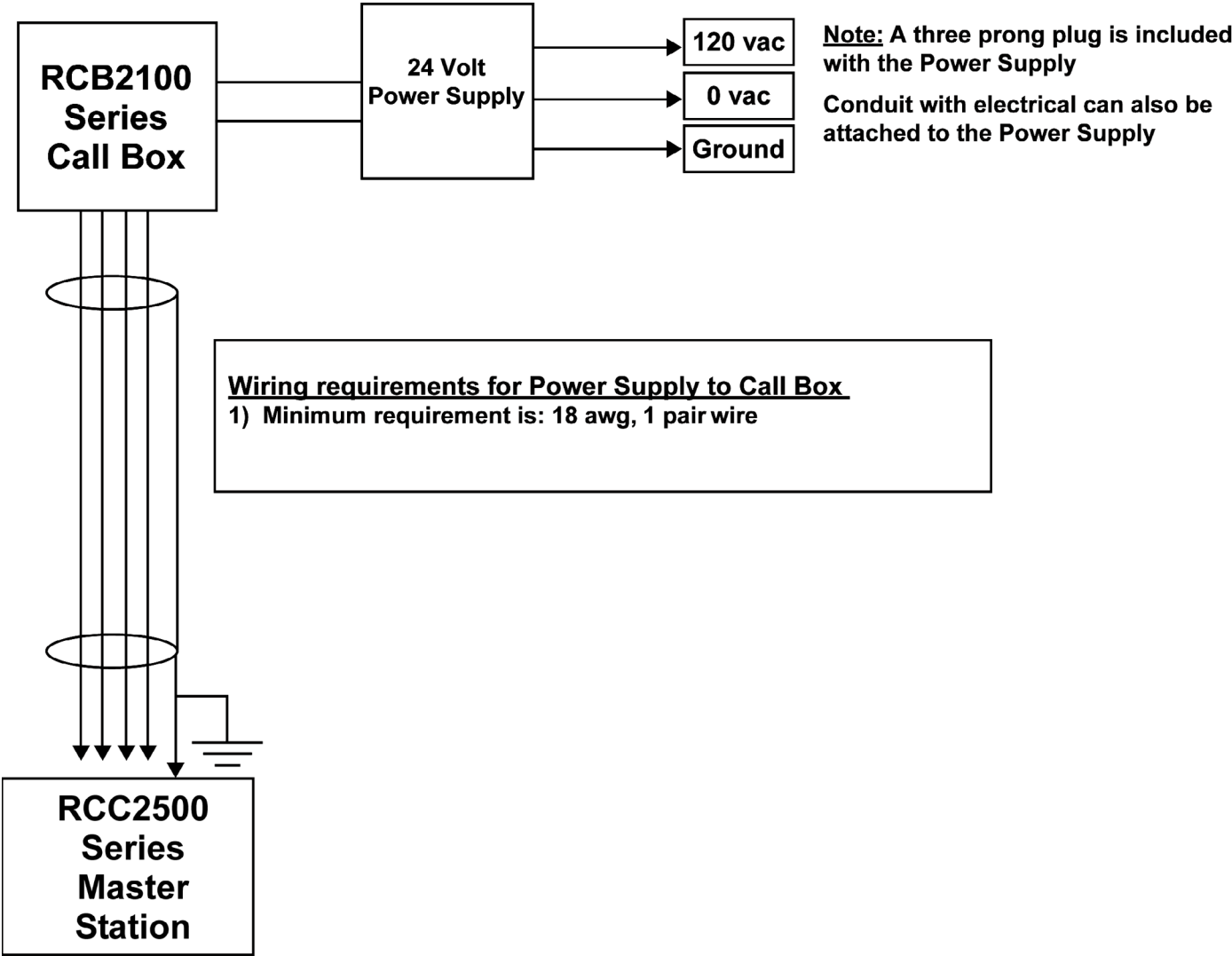
- Plug Power Supply into 120 vac outlet or connect the supply to the electrical through a conduit connection
- Turn power switch in Power Supply to ON
- Verify output voltage to be 24 vdc, if not 24v adjust using the Voltage Adjustment Potentiometer (see below)
- Close the Call Box Power Supply



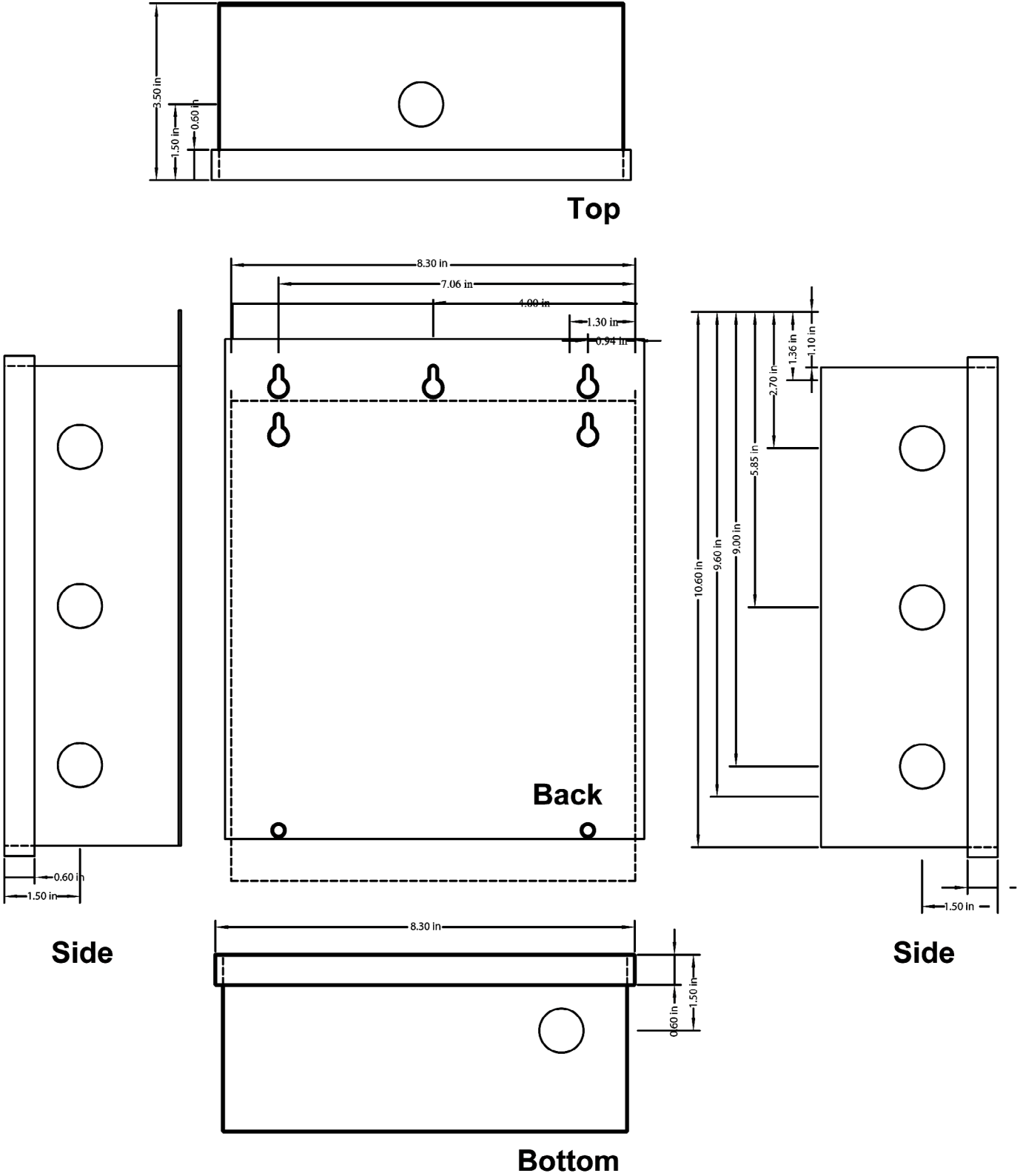
Voltage
Adjustment
Potentiometer



Power Supply to Call Box Wiring Diagram



Mounting Dimensions



Troubleshooting

<u>Problem</u>	<u>Possible Cause & Fixes</u>
Green Power LED are not illuminated:	<ul style="list-style-type: none">• Make sure the power switch is set to the On position on the power supply• Make sure the power supply is connected to a good 120vac power source• Make sure 120vac power connection in the power supply is wired properly
Call station does not have Power:	<ul style="list-style-type: none">• Make sure the Green LED's are illuminated on the Power Supply• Check to see that each output on the Power Supply is producing 24vdc

NOTE: Terminals and markings shown in this manual may not be in the order in which they appear on the actual equipment. When installing, observe all national and local electrical and building codes.