

Thank you for purchasing the Intellitron PS-2230DBP Switching Power Supply. Compact, quiet, efficient, and built to last, the PS-2230DBP is the ideal solution for powering all your amateur radio equipment including 100-W transceivers. Before operating, please read this manual thoroughly to become familiar with your supply's full range of functions and features.

## **SPECIFICATIONS & FEATURES**

Voltage Range: Adjustable, 4-16 VDC with control detent at 13.8VDC

Current Range: 30-Amp Surge (up to 5 minutes), 25 Amps Continuous Duty

Weight: 3 lbs /1.35 kg

Metering: Back-lit simultaneous digital readout of voltage (V) and current (A)

Connections: Five-Way high-current terminal binding posts on front panel, two pair of power pole connectors on the back panel.

Voltage Protection: Over-voltage limiter

Current Protection: Automatic 30-A shutdown, manual reset, LED fault indicator

Cooling: Ultra-quiet Thermo-controlled fan

Regulation: Switchable 110/220 VAC input, 47-63 Hz

Ripple/Noise: <100 mV

## **SETUP**

- Always position the supply so all cooling vents are unblocked. Good air circulation is essential for cool operation.
- Connect equipment to power pole connectors on back panel or 5-way binding posts on front. RED post is POSITIVE (+),BLACK post is NEGATIVE (-).

## **OPERATION**

- Before powering up equipment connected to the PS-2230DBP, turn the supply ON and use the ADJUST control to set the desired operating voltage (center detent ~ 13.8 VDC). Avoid exceeding the voltage rating of the equipment connected to the supply.
- When finished operating, turn all connected equipment off first prior to shutting down the PS-2230DBP.
- When operating for extended periods at high current levels, leave the PS-2230DBP on for a few minutes after equipment shutdown to allow the fan to continue cooling the unit.



- The PS-2230DBP has overcurrent protection that shuts the supply down for loads exceeding 30-A. To reset, turn the supply power switch OFF, wait 20 seconds, then turn it back ON.

## **LINE FUSE REPLACEMENT**

The PS-2230DBP AC-input is protected by a replaceable line fuse. If the power supply fails to power up, follow the procedure below to change the fuse.

- Turn the PS-2230DBP power switch off and disconnect the power cord from the AC line. Let the unit sit for 15 minutes to allow capacitors to fully discharge.
- Open the case and locate the input fuse near the power switch. Replace it with a fuse of the same type, size, and current rating.
- Replace the supply case before plugging the supply in and turning it on.

**Important Warning:** Never open the cabinet while the PS-2230DBP is plugged in to the AC line -- there are potentially lethal voltages inside. Also, before replacing the fuse, try to determine the cause of the overload!



### **TWO YEAR LIMITED WARRANTY**

This Limited Product Warranty is provided by the Dealer where your Intellitron product was purchased. The Product Warranty extends only to the original purchaser of the product and is valid for a period of two years from the date of purchase. Please keep your dated sales receipt as evidence of the date of purchase. You will need it to receive warranty service. Your Dealer warrants the product will be free from defects in workmanship and materials under normal use. If the product fails to conform to the warrant and is within the warranty period of two years, contact your original dealer for a return authorization. Your dealer may choose to either repair or replace the non-conforming product.