

The PS151 power supply is designed to provide power for Drake model SCT1860, SCT2860, SCT3860, and SCT4860 transcoders and a LBS2250 when mounted in the model RMT150 rack mounting tray. The PS151 can power a full tray of 10 of any mix of the transcoder models listed above. The power supply also provides an interface between a PC or modem and the transcoders via the RS232 DB9 connectors, providing remote programming and monitoring capabilities.

## SPECIFICATIONS

### GENERAL

Power Requirements: ----- 100 VAC to 240 VAC  
(and -10%/+10% of end limits)

Frequency: ----- 47-63 Hz

AC Input Power (max), -----150 Watts

Operating Temperature Range: ----- 0 to +50 °C  
Internally Mounted (50 mm) Axial Fan

(12 VDC @ 140 mA): ----- 12 CFM (ft<sup>3</sup>/min.)

Output Voltages, PS151: +3.3 VDC @ 10.0 A, +5 VDC @  
1 0.0 A, and +12 VDC @ 3.0 A

### MECHANICAL

Dimensions: (WxHxD): ---4.25in. W x 3.33in. H x 10.5in. D

Weight: ----- 3.5 lbs.

### CONNECTORS

RS232 Out/In: ----- (2) Type DB-9 interface connectors

DC Output: ----- (10) Molex 39-31-0060

(Power supply assembly employs short circuit and overvoltage protection).

AC Power Cord: ----- 54" with USA, 3 prong, 120 V plug

### Safety Approvals:

ANSI/UL 60065, 7th ed, 6/30/04 and

CAN/CSA-C22.2 No. 60065:03 (04/03)

## REAR PANEL CONNECTIONS

**1. AC Input** - The power supply accepts standard 100 to 240 VAC, 50/60 Hz inputs (and -10%/+10% of that voltage range). A 120 V, USA standard cord is supplied.

**2. DC Output** - The polarized connectors provide 10 sets of output connections for the compatible transcoder units.

**3. RS232 Remote Control Interface** - If the SCT system transcoders are to be controlled from a PC via the RS232 interface, the serial port cable from the PC should be connected to the 'RS232 IN' connector on the supply. The 'RS232 OUT' connector is used to connect to the 'RS232 IN' port on another PS150/151 or to a PS100 if additional transcoders are to be controlled. This process may be repeated until a maximum of 7 PS150/151s (70 transcoders max.) are connected. In addition, up to 63 SCT860s could also be controlled by the same connection if PS100s are also daisy changed in this connection.

## INSTALLATION

Install the PS151 in the RMT150 rack tray by positioning it at the far right side of the tray as viewed from the front panel of the RMT150. Before pushing into the final mounting location, make sure that the two hooks located at the bottom of the rear panel on the power supply, hook over the back edge of the RMT150 - these will secure the rear of the supply after it has been pushed forward into its final position. Position the supply so that the LCD and all pushbuttons are in their proper position in the front panel of the RMT150 and that the buttons are protruding all the way through the panel holes. Install the two screws, that are provided with the supply, through the holes on either side of the display opening in the RMT150 front panel and into the threads of the power supply. Tighten snugly.

Connect the power cables between the transcoders and the power supply. Note that each power output connector on the supply is numbered, from 1 through 10. The unit ID of the connected transcoder will be determined by which socket on the supply its power cable is plugged into. Normally, the leftmost transcoder, as viewed from the front panel, will be number 1 with transcoders connected in sequence to the right. The rightmost transcoder will thus be plugged into socket number 10 on the supply. Note that transcoders do not have to be connected in any specific numerical order but the above method is preferred to make it easier to identify a particular transcoder during setup, if necessary.

Carefully route the power cable for the front mounted fans between the power supply and the adjacent transcoder and plug the fan cable into the socket on the rear of the supply, just above the line cord.

When all cables are connected, plug the line cord into a nominal 120 VAC outlet.

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## INSTALLING THE PC SOFTWARE FOR THE DRAKE DIGITAL HEADEND CONTROL PROGRAM

■ To install the control software, place the CDROM in the PC CDROM tray. The auto run routine should produce a menu providing three options:

- 1) Install Digital Headend Control Program.
- 2) View various instruction manuals.
- 3) Install Adobe Acrobat Reader.

To install the control software, choose the "Install Digital Headend Control Program" option. If the CDROM does not start automatically, Click on the "My Computer" icon on your PC desktop, then click on the CDROM drive icon. To install the control program, click on the **setup.exe** file on the CDROM. Follow the prompts and when the program has been installed successfully, the "R. L. DRAKE DIGITAL HEADEND CONTROL PROGRAM" icon will appear on the PC desktop.

■ If you have Acrobat Reader installed on your system, you may view and/or print the detailed program Instruction Manual by selecting option 2 from the auto run menu, or by clicking on the **Instruction Manual.pdf** file on the CDROM. If Acrobat Reader is not installed on your system, select option 3 from the auto run menu or click on the **rs405eng.exe** file on the CDROM to install a complimentary copy.



R.L. DRAKE COMPANY

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# Warranty

## Three Year Limited Warranty

R.L. DRAKE LLC warrants to the original purchaser this product shall be free from defects in material or workmanship for three (3) years from the date of original purchase.

During the warranty period the R.L. DRAKE LLC or an authorized Drake service facility will provide, free of charge, both parts and labor necessary to correct defects in material and workmanship. At its option, R.L. DRAKE LLC may replace a defective unit.

To obtain such a warranty service, the original purchaser must:

- (1) Retain invoice or original proof of purchase to establish the start of the warranty period.
- (2) Notify the R.L. DRAKE LLC or the nearest authorized service facility, as soon as possible after discovery of a possible defect, of:
  - (a) the model and serial number,
  - (b) the identity of the seller and the approximate date of purchase; and
  - (c) A detailed description of the problem, including details on the electrical connection to associated equipment and the list of such equipment.
- (3) Deliver the product to the R.L. DRAKE LLC or the nearest authorized service facility, or ship the same in its original container or equivalent, fully insured and shipping charges prepaid.

Correct maintenance, repair, and use are important to obtain proper performance from this product. Therefore carefully read the Instruction Manual. This warranty does not apply to any defect that R.L. DRAKE LLC determines is due to:

- (1) Improper maintenance or repair, including the installation of parts or accessories that do not conform to the quality and specifications of the original parts.
- (2) Misuse, abuse, neglect or improper installation.
- (3) Accidental or intentional damage.

All implied warranties, if any, including warranties of merchantability and fitness for a particular purpose, terminate three (3) years from the date of the original purchase.

The foregoing constitutes R.L. DRAKE LLC'S entire obligation with respect to this product, and the original purchaser shall have no other remedy and no claim for incidental or consequential damages, losses or expenses. Some states do not allow limitations on how long an implied warranty lasts or do not allow the exclusions or limitation of incidental or consequential damages, so the above limitation and exclusion may not apply to you.

This warranty gives you specific legal rights and you may also have other rights which vary from state to state. This warranty shall be construed under the laws of Ohio.

For Service, contact:

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