INTEGRATED DIGITAL SERVICES TERMINAL

LOOP POWER SUPPLY CARD

CONTENTS PAGE

1. GENERAL

1.01 This practice provides information about the IDST Loop Power Supply (LPS) card (part number 090-53001-01).

1.02 Whenever this practice is reissued, the reason for reissue will be given in this paragraph.

1.03 LPS cards reside in the LPS slot in both digroups of IDST Loop Shelves.

2. DESCRIPTION

2.01 Figure 1 is a block diagram of the LPS card. The LPS card in the lower half of the Loop Shelf is powered by the A office battery, and the LPS card in the upper half of the Loop Shelf is powered by the B office battery. Normally, each LPS card supplies power to one-half of the Loop Shelf. If an LPS card fails, power to both halves of the Loop Shelf are supplied by the LPS card in the other half of the Loop Shelf.

2.02 The –48 volt office battery from the Fuse Panel goes through a filter and is distributed to the other cards in the shelf that use –48 volts. The LPS card also houses one DC-to-DC converter that outputs +5 volts, +12 volts, and –12 volts dc. Diodes on the output of these converters allow the voltages to be combined with the output of the LPS card in the other half of the Loop Shelf.

3. COMMANDS

3.01 No commands are required to enter, restore, remove, or delete an LPS card.

4. FACEPLATE INDICATORS

4.01 Figure 2 is a drawing of the LPS card faceplate indicators.

5. CARD STRAPS

5.01 The LPS card has no straps.

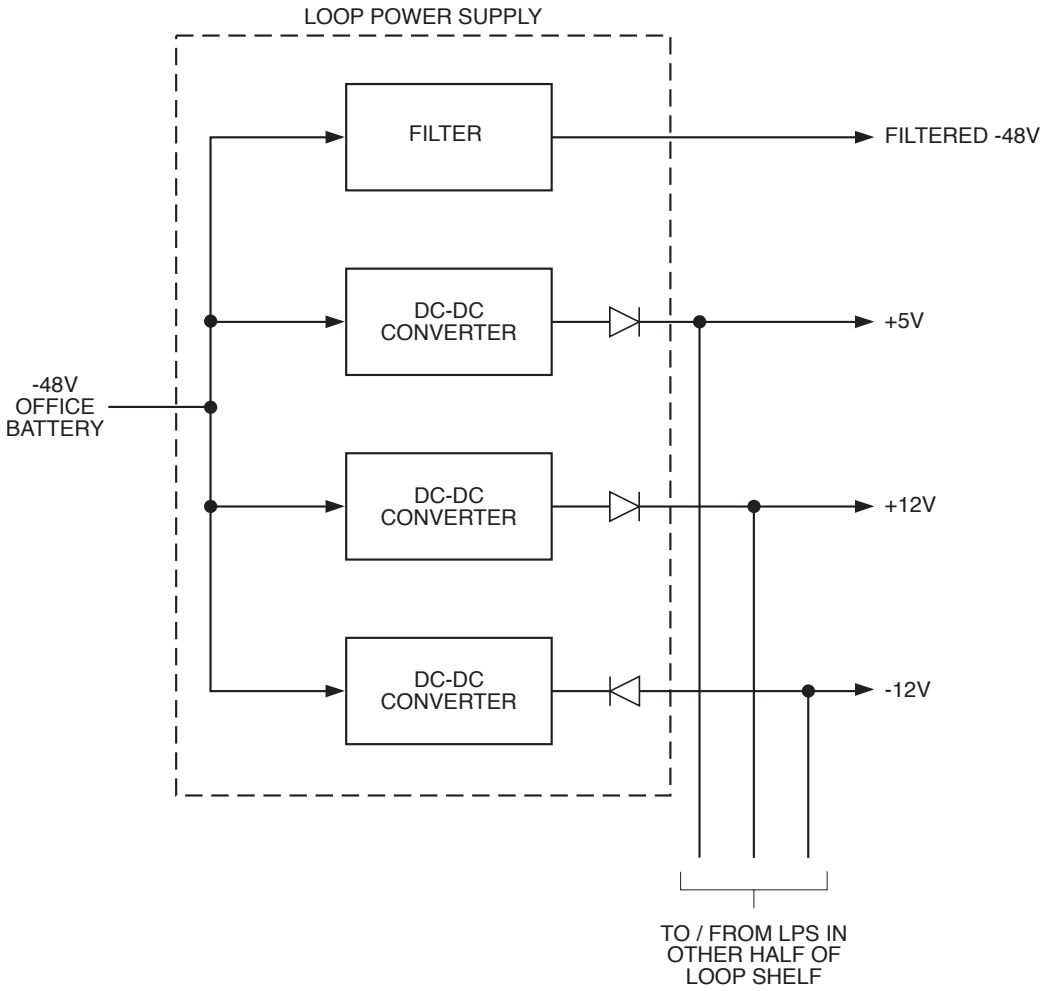

Figure 1. LPS Card Block Diagram

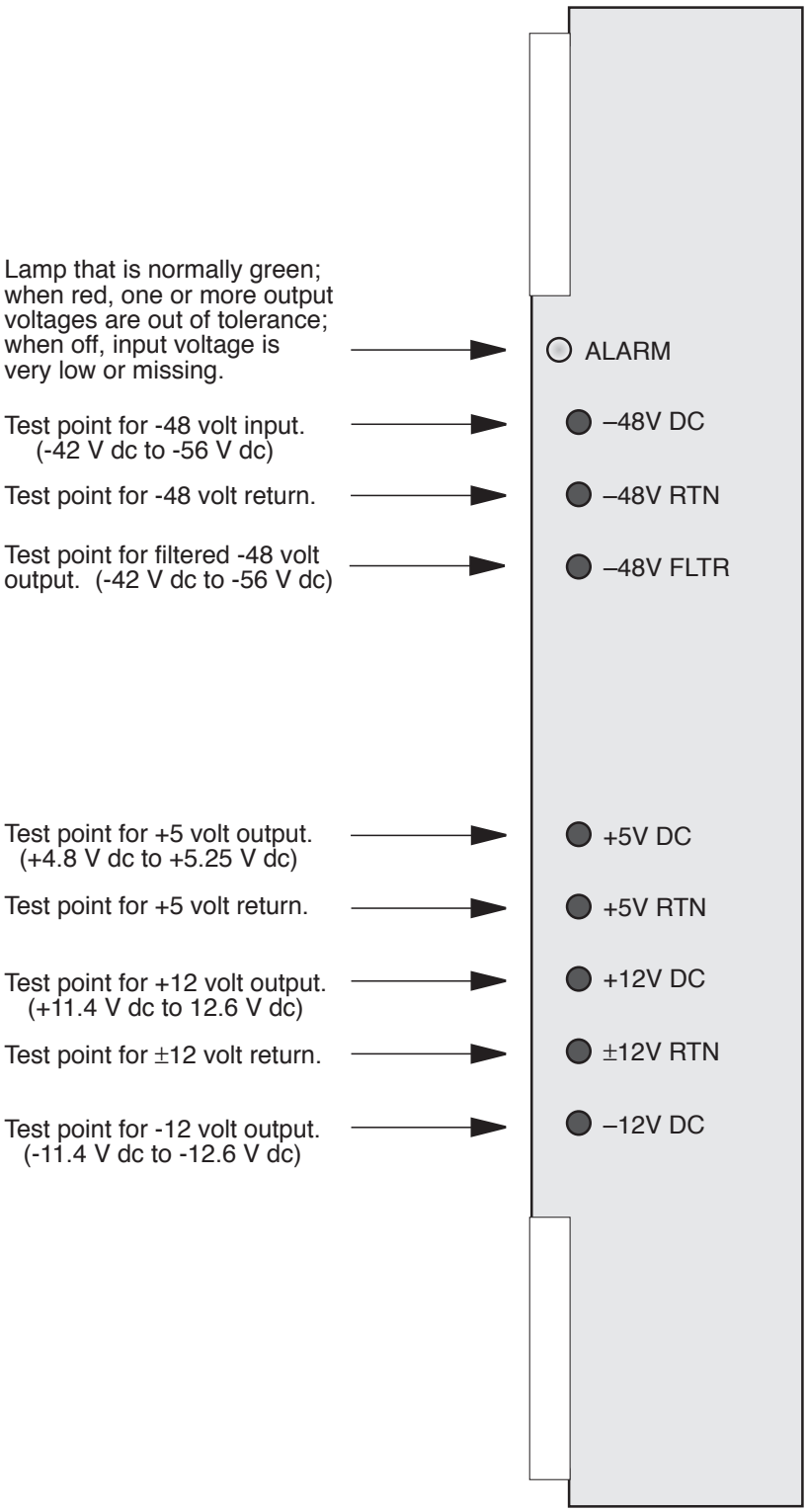

Figure 2. LPS Card Faceplate Indicators