

AUG1 POSITIVE RINGING UNIT - 5SCB900GXX

DATA SHEET

SLC® SERIES 5 CARRIER SYSTEM

The AUG1 PRU (positive ringing unit) is used in the SLC Series 5 system RT (remote terminal). The AUG1 provides a 20-Hz ringing voltage, superimposed on a positive 55 volts dc. This unit allows the provisioning of 4-party fully selective service.

Figure 1 is a functional block diagram of the unit, and Figure 2 shows the faceplate.

The AUG1 PRU contains two dc-dc converters (main and protection) which provide 110 volts each. The 110 Vdc is added in series with the output of the 3A Ringing Generator to provide a positive ringing signal. Should the Main Module fail, the Protection Module output is automatically switched in by the detector and relay circuits. A minor alarm signal is sent to the two ADUs (alarm display units) being supplied via backplane pin 52. If both modules fail, or an output fuse blows, a major alarm signal is sent to the two ADUs being supplied.

The FAIL indicator is a red LED that lights when the output of either dc-dc module output drops below

50 volts for more than 60 seconds.

The faceplate jack provides convenient test access to -48 Vdc input (-48V), -20 Hz input (-20HZ), +20 Hz output (+20HZ), and ground (FR GND).

The faceplate also provides access to the four (80G, 0.5 amp) fuses for the AUG1 circuitry. They are: DUAL BANK 1 WHITE, DUAL BANK 1 BLUE, DUAL BANK 2 WHITE, and DUAL BANK 2 BLUE.

DANGER: The PRU has hazardous voltages present on the printed circuit and component sides of the board. Be careful when inserting and removing the circuit pack.

Technical assistance for the SLC Series 5 system can be obtained by calling the Regional Technical Assistance Center at 1-800-225-RTAC. This telephone number is staffed 24 hours per day.

Published by
The AT&T Documentation Management Organization.

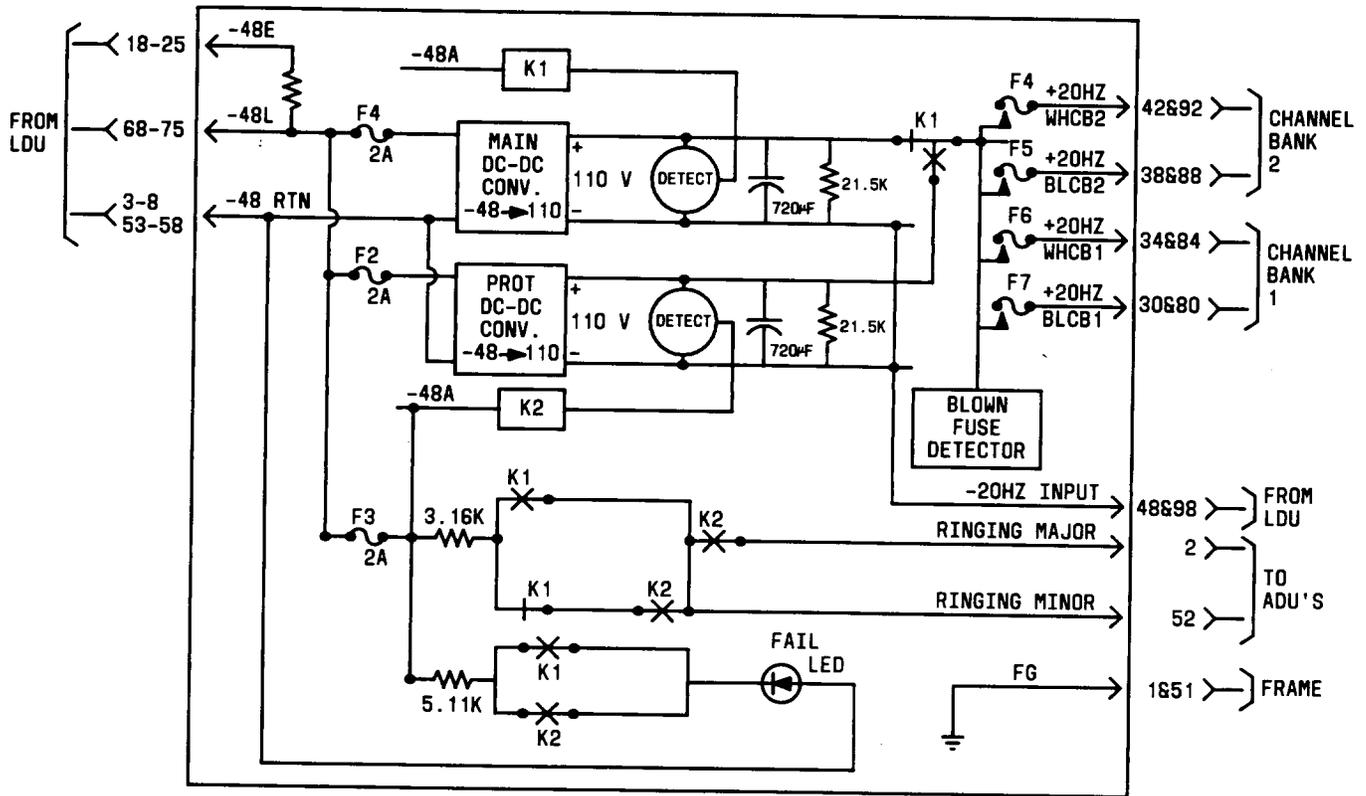


Fig. 1—AUG1 Block Diagram

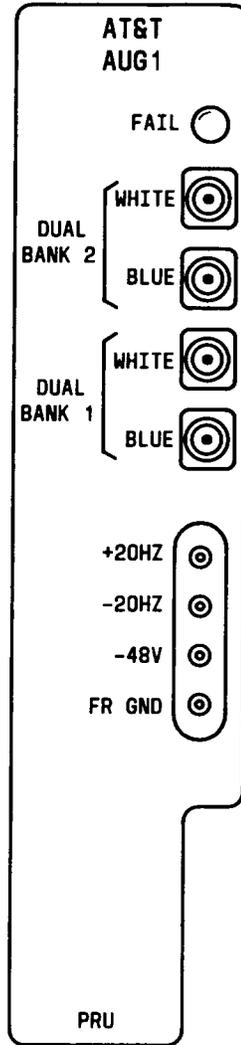


Fig. 2—AUG1 Faceplate