

52A TEST EXTENDER - 5STE430CAA

DATA SHEET

SLC[®] SERIES 5 CARRIER SYSTEM

The 52A Test Extender is used to test channel units for the SLC Series 5 Carrier System. Faceplate mounted 310-compatible jacks allow monitoring access to T/R, T1/R1, E/M, and SG/SB leads on the backplane. With the channel unit removed from the extender the monitor jacks provide access to all of the transmission and signaling leads associated with that channel slot. This allows a craft to verify all of the wiring between a particular channel unit slot of the Series 5 channel bank and the main frame. Splitting access jacks for T/R, T1/R1, E/M, and SG/SB allow testing of (the drop is split away from the channel unit) a channel unit installed in the extender. Active circuitry is included to provide battery feed (normal and reverse) and a hold function to aid in testing 2W and 4W channel units.

Figure 1 is a functional block diagram of the unit, Figure 2 shows the faceplate, and Figure 3 shows a decal affixed to the side of the unit.

The battery feed/hold function is switch selectable for bridging to either 2W odd (T/R), 2W even

(T1/R1), or 4W simplex leads of a channel unit. When the feed/hold function is off, the 52A acts as a straight-through card extender. Likewise, when 2W odd is selected, 2W even is not affected (and vice versa).

The feed/hold functions provide a DC termination with a high AC impedance. The battery feed function applies a grounded feed, current-limited to 42 mA. The hold function applies a floating electronic hold circuit which looks like 900 ohms at 20 mA loop current, decreasing to 700 ohms at 60 mA.

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.

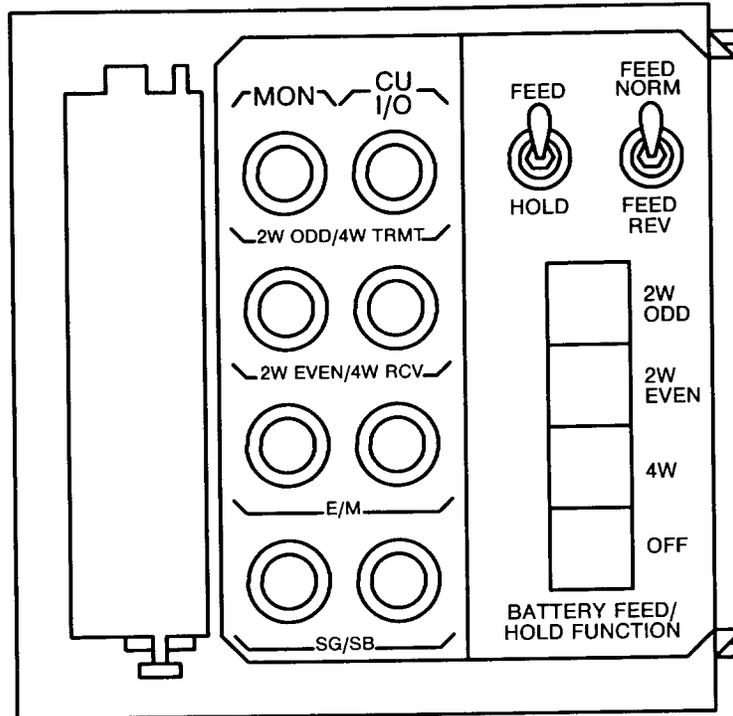


Figure 2—52A Test Extender Faceplate

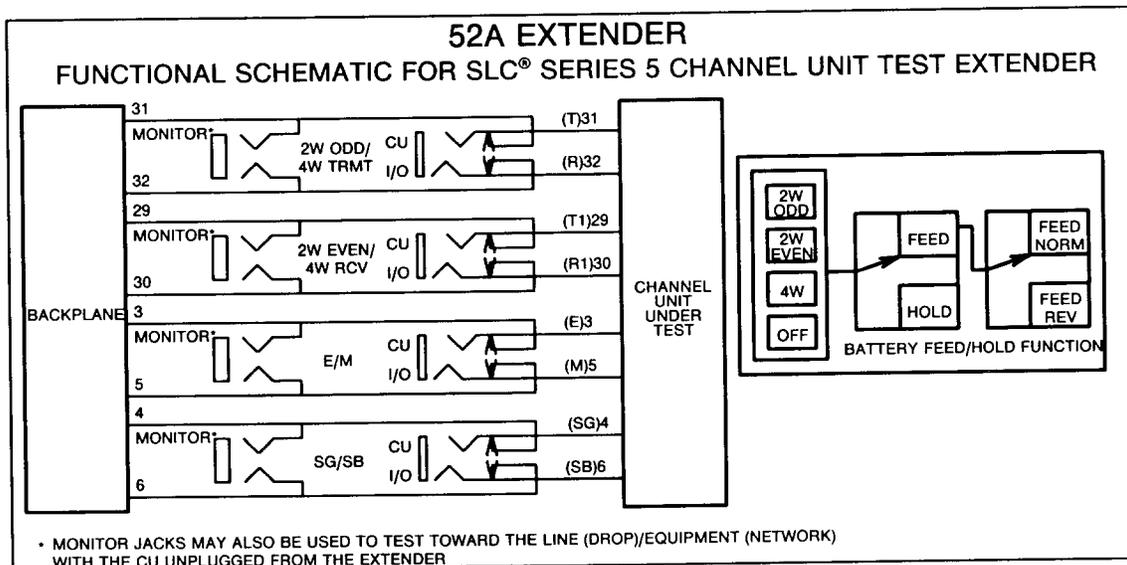


Figure 3—Decal of Functional Schematic for SLC Series 5 CU Test Extender