

AUB1 (COT) ALARM DISPLAY UNIT - 5SCS700BXX

DATA SHEET

SLC® SERIES 5 CARRIER SYSTEM

The AUB1 alarm display unit (ADU) is used in the SLC Series 5 System Central Office Terminal (COT - J1C182AA) with the MC97722A1 bank controller unit (BCU). Together, the AUB1 and the MC97722A1 form the bank controller for the Series 5 96-line bank. The bank controller handles internal performance monitoring and fault diagnosis, per line demand testing via the pair gain test controller, CO (central office) and remote alarm outputs, craft inputs, and T1 line protection switching.

This practice has been reissued to change Fig. 1 and Fig. 2 and to make minor editorial changes.

The AUB1 provides a serial interface to the other plug-ins in the bank. The bank controller uses this serial link to control the plug-ins and the indicator lights on the plug-ins. The AUB1 also provides outputs to the AUB3 alarm interface unit for the office and remote alarms, and controls the alarm cut-off (ACO) function for its 96-line bank.

Figure 1 is a functional block diagram of the unit, and Fig. 2 shows the board outline and the position of the switches and indicators.

FAIL (RED LED): When lighted, this LED indicates that a failure has been sectionalized to this AUB1 ADU.

MJ (RED LED): When lighted, this LED indicates that this 96-line bank has an active MAJOR alarm. A MAJOR alarm means that at least one 24-channel digroup is out of service.

MN (YELLOW LED): When lighted, this LED indicates that this 96-line bank has an active MINOR alarm. A MINOR alarm means that no digroups are currently out of service, although a subsequent failure may cause an outage if the MINOR alarm condition is not fixed.

ACO (YELLOW LED): When lighted, this LED indicates that the alarms to this COT and the remote alarms are cut off (except for bank I.D.).

FE (YELLOW LED): When lighted, this LED indicates that the failure has been sectionalized to the Far End (RT).

NE (YELLOW LED): When lighted, this LED indicates that the failure has been sectionalized to the near end (COT).

LED TEST: While pushed, this faceplate-mounted switch causes all indicators under control of the Bank Controller to turn on. This includes all lights on the ADU, BCU, transmit/receive unit (TRU), line switching unit (LSU), line interface unit (LIU), and channel test unit (CTU). Indicators on the power converter units (PCU) and channel units (CU) are not affected by this button.

PROT LINE (S2, Position 1): When open, enables the protection line switching operation. When closed, disables protection line switching.

DS1 (S2, Position 2): When open, enables the bank for DS1 or T1 operation.

AB PRESERVICE/INSERVICE (S2, Position 3): When open, puts the AB shelf in the preservice state. When closed, puts the AB shelf in the inservice state.

CD PRESERVICE/INSERVICE (S2, Position 4): When open, puts the CD shelf in the preservice state. When closed, puts the CD shelf in the inservice state.

AB EQUIPPED/UNEQUIPPED (S2, Position 5): When closed, marks the AB shelf as equipped with its common plug-ins. When open, marks the AB shelf as unequipped.

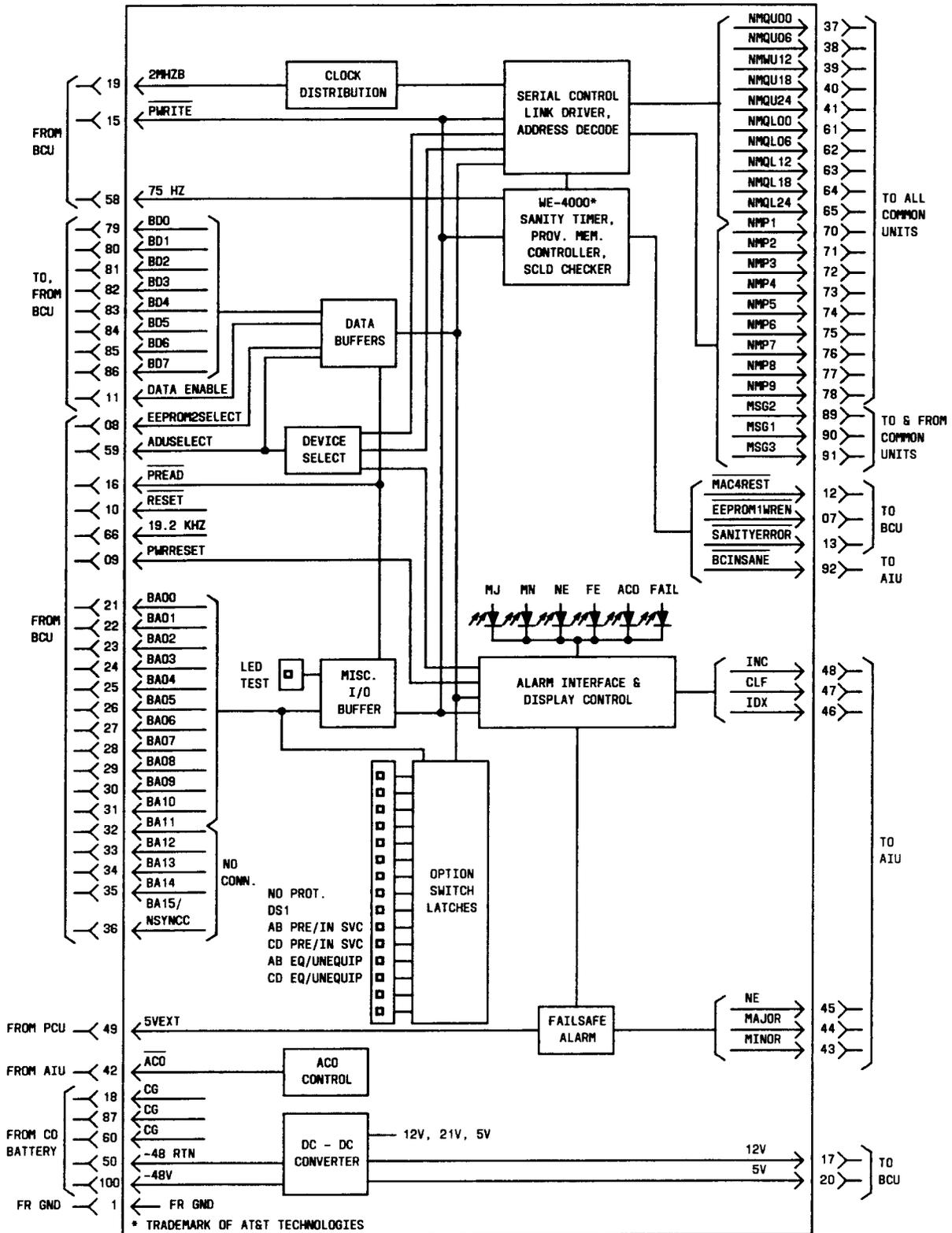
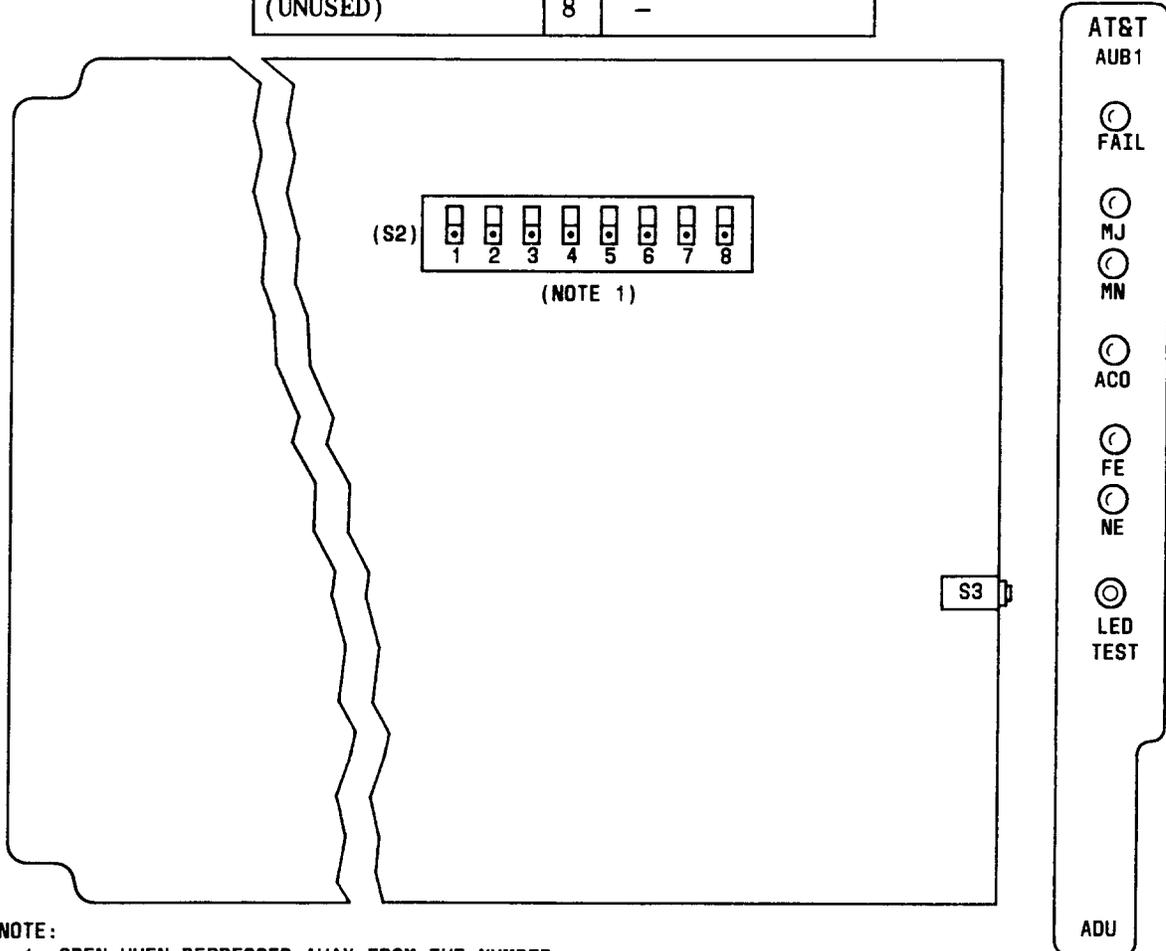


Fig. 1—AUB1 Block Diagram

CD EQUIPPED/UNEQUIPPED (S2, Position 6): When closed, marks the CD shelf as equipped with its common plug-ins. When open, marks the CD shelf as unequipped.

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SWITCH SETTINGS		
CLOSED	S2	OPEN
NO PROTECTION LINE	1	PROTECTION LINE
-	2	DS1
AB IN-SERVICE	3	AB PRE-SERVICE
CD IN-SERVICE	4	CD PRE-SERVICE
AB EQUIPPED	5	AB UNEQUIPPED
CD EQUIPPED	6	CD UNEQUIPPED
(UNUSED)	7	-
(UNUSED)	8	-



NOTE:
1. OPEN WHEN DEPRESSED AWAY FROM THE NUMBER
CLOSED WHEN DEPRESSED TOWARDS THE NUMBER

Fig. 2—AUB1 Component Layout