

## AUB21 (RT) ALARM DISPLAY UNIT - 5SCS800BXX

### DATA SHEET

### SLC® SERIES 5 CARRIER SYSTEM

The AUB21 alarm display unit (ADU) is used in the SLC Series 5 system remote terminal (RT - J1C182AB and J1C182AC) with the MC97723A1 bank control unit (BCU). Together, the AUB21 and MC97723A1 form the bank controller for the Series 5 96-line RT bank. The bank controller handles internal performance monitoring and fault diagnosis, craft inputs, per line demand testing via the pair gain test controller, and T1 line protection switching.

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

The AUB21 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 AUB21 also has inputs to detect failures in the RT common equipment (viz., the ringing generators, the rectifiers, the battery chargers, and the AC power plant), and miscellaneous building alarms.

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

**FAIL (RED LED):** When lighted, this LED indicates that the failure has been sectionalized to this AUB21 ADU.

**MJ (RED LED):** When lighted, this LED indicates 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.

**FE (YELLOW LED):** When lighted, this LED indicates that the failure has been sectionalized to the far end central office terminal (COT).

**NE (YELLOW LED):** When lighted, this LED indicates that the failure has been sectionalized to this AUB21 ADU.

**LED TEST:** While pushed, this faceplate-mounted switch causes all indicators under control of the bank controller to light. This includes all indicators 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), channel units (CU), rectifiers, ringing generators, and battery chargers are not affected by the LED test button.

**NO PROT. LINE (S2, Position 1):** When open, enables the protection line switching option. When closed, disables protection line switching.

**DS1/DS2 (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.

**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.

**RTMISC1 MJ/MN (S2, Position 7):** When closed, associates the RTMISC1 closure with a MAJOR alarm. When open, associates it with a minor alarm.

**RTMISC2 MJ/MN (S2, Position 8):** When closed, associates the RTMISC2 closure with a MAJOR alarm. When open, associates it with a MINOR alarm.

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The AT&T Documentation Management Organization.

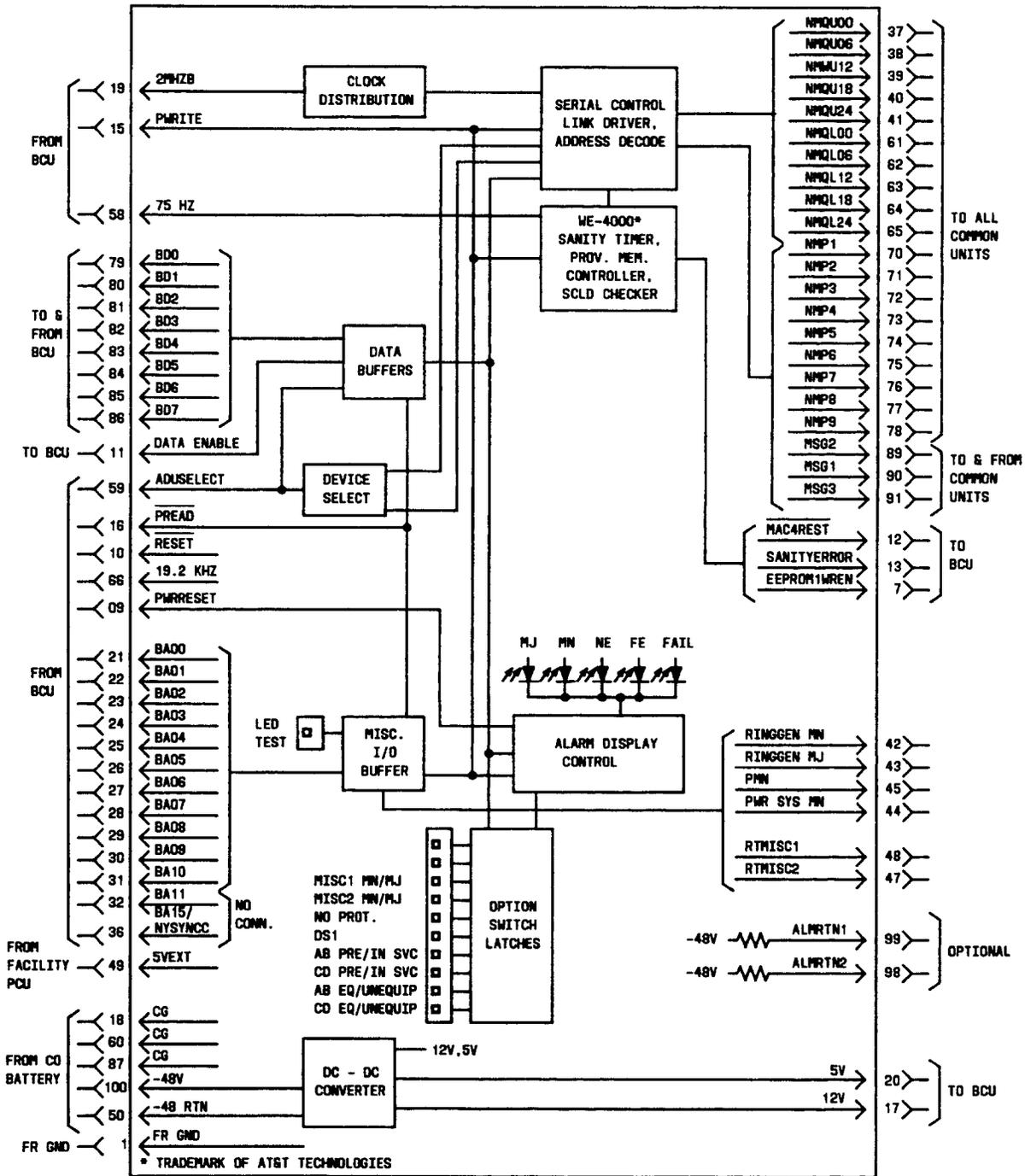
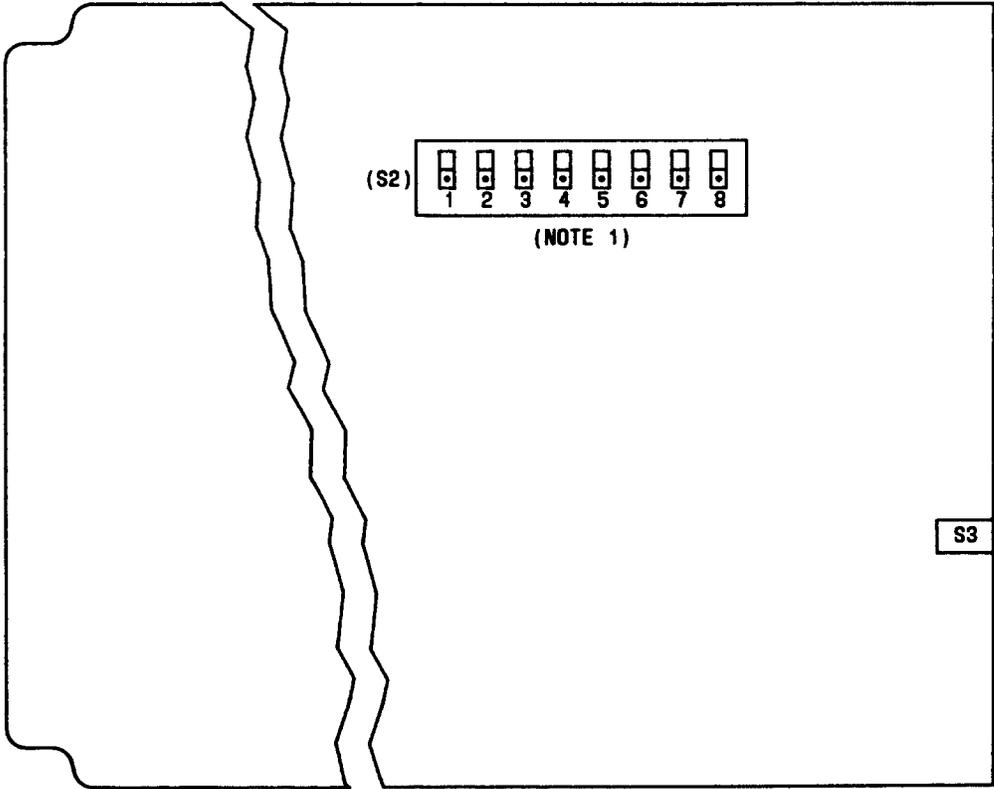


Fig. 1 — AUB21 Block Diagram

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
MJ ALM FOR RT MISC1	7	MN ALM FOR RT MISC1
MJ ALM FOR RT MISC2	8	MN ALM FOR RT MISC2



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

Fig. 2—AUB21 Component Layout