AUB3 (COT) ALARM INTERFACE UNIT 5SCD300BXX

DATA SHEET

SLC ® SERIES 5 CARRIER SYSTEM

The AUB3 AIU (alarm interface unit) (COMCODE 103841268) is used in the SLC Series 5 carrier system COT (central office terminal). It provides the interface between the dual 96-line bank module in which it is located and the CO (central office) and remote alarm reporting systems. The AUB3 accepts inputs from the COT ADU (alarm display unit) (e.g., AUB1) and the COT BCU (bank control unit) (e.g., MC97755A1) in both the lower (blue) 96-line bank and the upper (white) 96-line bank. Separate Sys ID (system indentification) closures are produced for the blue and white banks. The other alarm outputs from each bank are combined within AUB3 to produce one set of output closures. All the AUB3 outputs to the external alarm reporting systems are floating (electrically isolated) relay closures. These closures are connected to the CO and remote alarm systems. The Sys ID closures are wired separately, while the others are multiplied with the outputs from other AUB3 AIUs in the office.

This practice is reissued to include switch labeling for a new version of the AUB3.

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

The AUB3 provides two sets of MAJOR, MINOR, and PMN (POWER MINOR) closures for the CO alarms — one each for the audible and visual systems. When the CO does not have a PMN reporting system, an internal switch is used to convert these alarms to MINOR alarms.

The AUB3 provides two sets of system ID, MAJOR, MINOR, PMN, NE (NEAR END), CLF (CARRIER LINE FAILURE), FE (FAR END), INC (INCOMING), digroup A-D, RT MISCELLANEOUS #1, and RT MISCELLANEOUS #2, closures for connection to remote alarm reporting systems. This allows SLC Series 5 carrier system alarms to be reported to two different remote sites. The AUB3 also provides contact closures to operate the bay MAJOR, bay MINOR, and bay PMN alarm lights mounted on the top heat baffle.

Special circuitry on the AUB3 ensures proper alarm reporting during bank controller failures and during power failures.

The AUB3 also provides for local and remote ACO (alarm cut-off) action.

ACO: When pushed, this faceplate-mounted switch cuts off the bay alarm lights and the audible and visual alarm outputs to the CO and remote reporting systems. Bank indicator lights and the Sys ID closure are not affected by the ACO.

WHITE BANK MINOR ALARM (Position 2): This switch should always be closed (ON) to cause a minor alarm when the white bank BCU or ADU fails.

BLUE BANK MINOR ALARM (Position 3): This switch should always be closed (ON) to cause a minor alarm when the blue bank BCU or ADU fails.

BLUE BANK MAJOR ALARM (Position 4): This switch should always be open (OFF) to cause a minor alarm when the blue bank BCU or ADU fails.

WHITE BANK MAJOR ALARM (Position 5): This switch should always be open (OFF) to cause a minor alarm when the white bank BCU or ADU fails.

AC FAIL CO POWER MINOR ALARM (Position 6): When closed (ON), AC and rectifier failures in the RT turn on the bay PMN light and the central office PMN audible/visual alarms.

AC FAIL CO MINOR ALARM (Position 8): When closed (ON), AC and rectifier failures in the RT turn on the bay MN light and the central office MN audible/visual alarms.

SWITCH SETTINGS		
ON	SWITCH POSITION	OFF
NOT USED	1	NOT USED
ALWAYS ON	2	NOT USED
ALWAYS ON	3	NOT USED
NOT USED	4	ALWAYS OFF
NOT USED	5	ALWAYS OFF
CO PMN FOR RT PMN	6*	CO MN FOR RT PMN
NOT USED	7	NOT USED
CO MN FOR RT PMN	8*	CO PMN FOR RT PM
*Do not set switch positions 6 and 8 to the same position.		

Technical assistance for the *SLC* Series 5 carrier 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.

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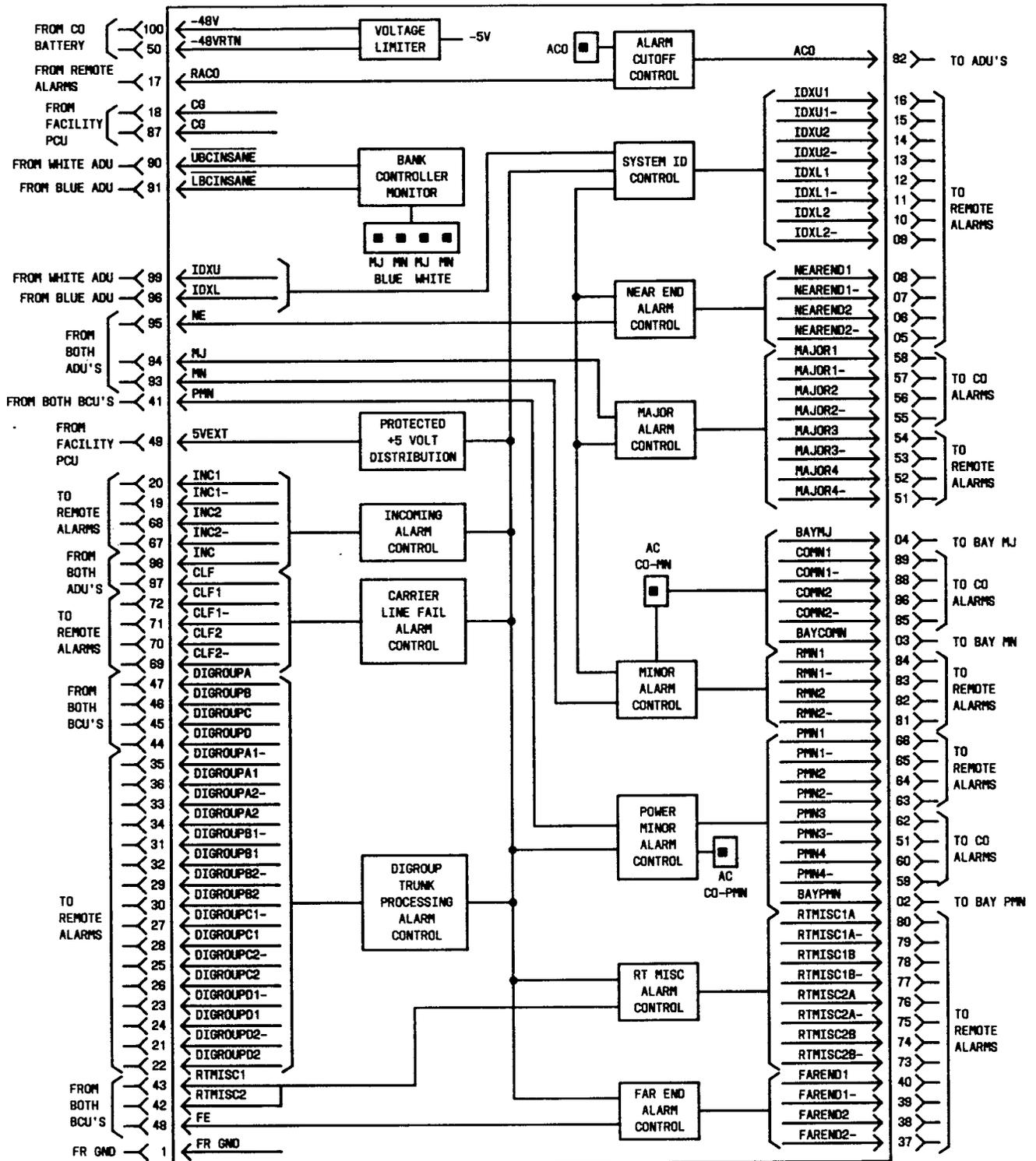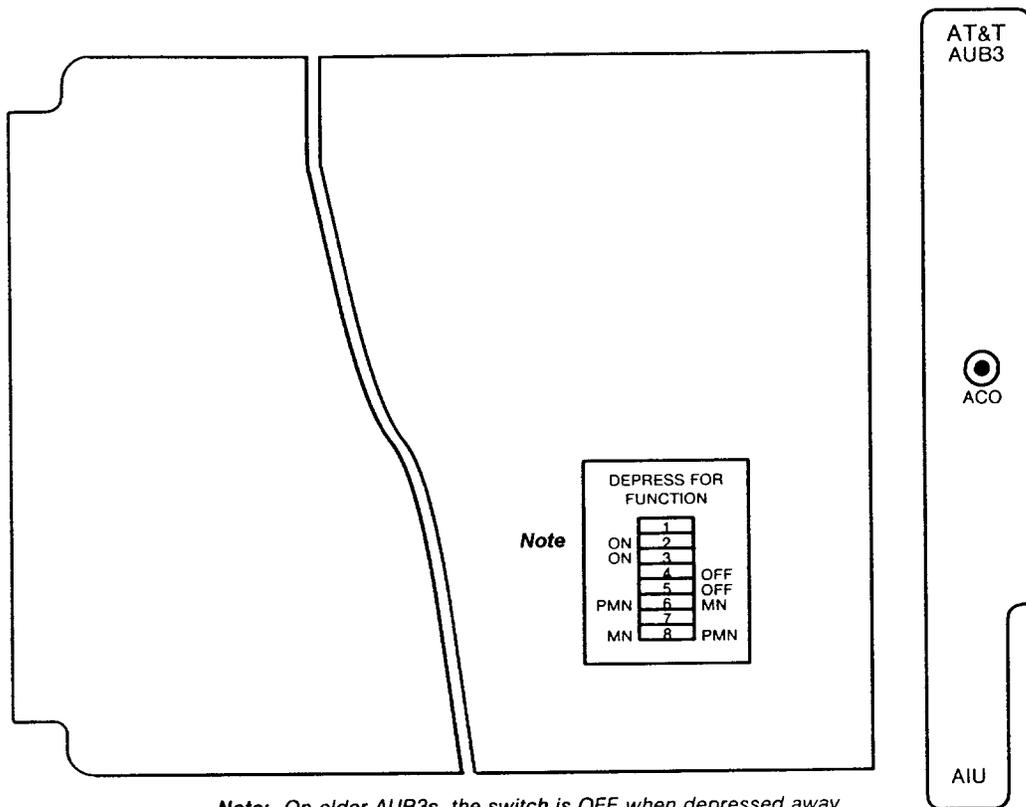The AT&T Documentation Management Organization.

Figure 1—AUB3 Block Diagram

DEPRESS FOR
FUNCTION

	1	
ON	2	
ON	3	
	4	OFF
	5	OFF
PMN	6	MN
	7	
MN	8	PMN

Note

AT&T
AUB3

ACO

AIU

Note: *On older AUB3s, the switch is OFF when depressed away
from the number, ON when depressed toward the number.*

Figure 2—AUB3 Components and Faceplate