

MC97756A1 (RT) BANK CONTROL UNIT—5SCSG60CXX

DATA SHEET

SLC[®] SERIES 5 CARRIER SYSTEM

The MC97756A1 bank control unit (BCU) is used in the SLC Series 5 system remote terminal J1C182AB, J1C182AC, J1C182AE, or J1C182AF. The MC97756A1 BCU supersedes the MC97726A1 BCU used in Feature Package C (FPC) systems and is used in FPD systems. The MC97756A1 BCU is used with the AUB26 alarm display unit (ADU).

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

Together, the BCU and the ADU form the RT bank controller for the Series 5 96-line system. The bank controller handles:

- Internal performance monitoring and fault diagnosis
- Craft inputs for system options
- Craft input for channel unit option settings via the craft interface unit (CIU)
- Per line demand testing via the extended test controller or the pair gain test controller
- T1 line protection switching.

The BCU units located in the central office terminal (COT) and the remote terminal (RT) communicate with each other over a data link embedded in the A-digroup bitstream.

The BCU contains a microcomputer that is the core of the bank controller. It also has a system program memory, electrically erasable memory for the semipermanent storage of channel unit option information, and a random-access memory. The BCU controls a data link used to exchange system alarm, T1 line protection switch, circuit test, and channel unit option setting information with the COT.

The firmware for the MC97756A1 is specifically designed for RT application. This unit is physically identical to the MC97755A1 BCU.

Indicators on the faceplate provide the following information.

FAIL (Red LED): When lighted, this LED indicates that a failure has been sectionalized to this BCU.

Note: When a system is being turned up, a FAIL indicator may not indicate failure of the unit. See AT&T Practice 363-205-406 (TOP).

PMN (Yellow LED): When lighted, this LED indicates a failure in the ac power plant or the ac rectifier at the remote terminal site.

MISC1 (Yellow LED): When lighted, this LED indicates that the RTMISC1 input closure at the remote terminal has been activated.

MISC2 (Yellow LED): When lighted, this LED indicates that the RTMISC2 input closure at the remote terminal has been activated.

A (Red LED): When lighted, this LED indicates that the A digroup is in trunk processing.

B (Red LED): When lighted, this LED indicates that the B digroup is in trunk processing.

C (Red LED): When lighted, this LED indicates that the C digroup is in trunk processing.

D (Red LED): When lighted, this LED indicates that the D digroup is in trunk processing.

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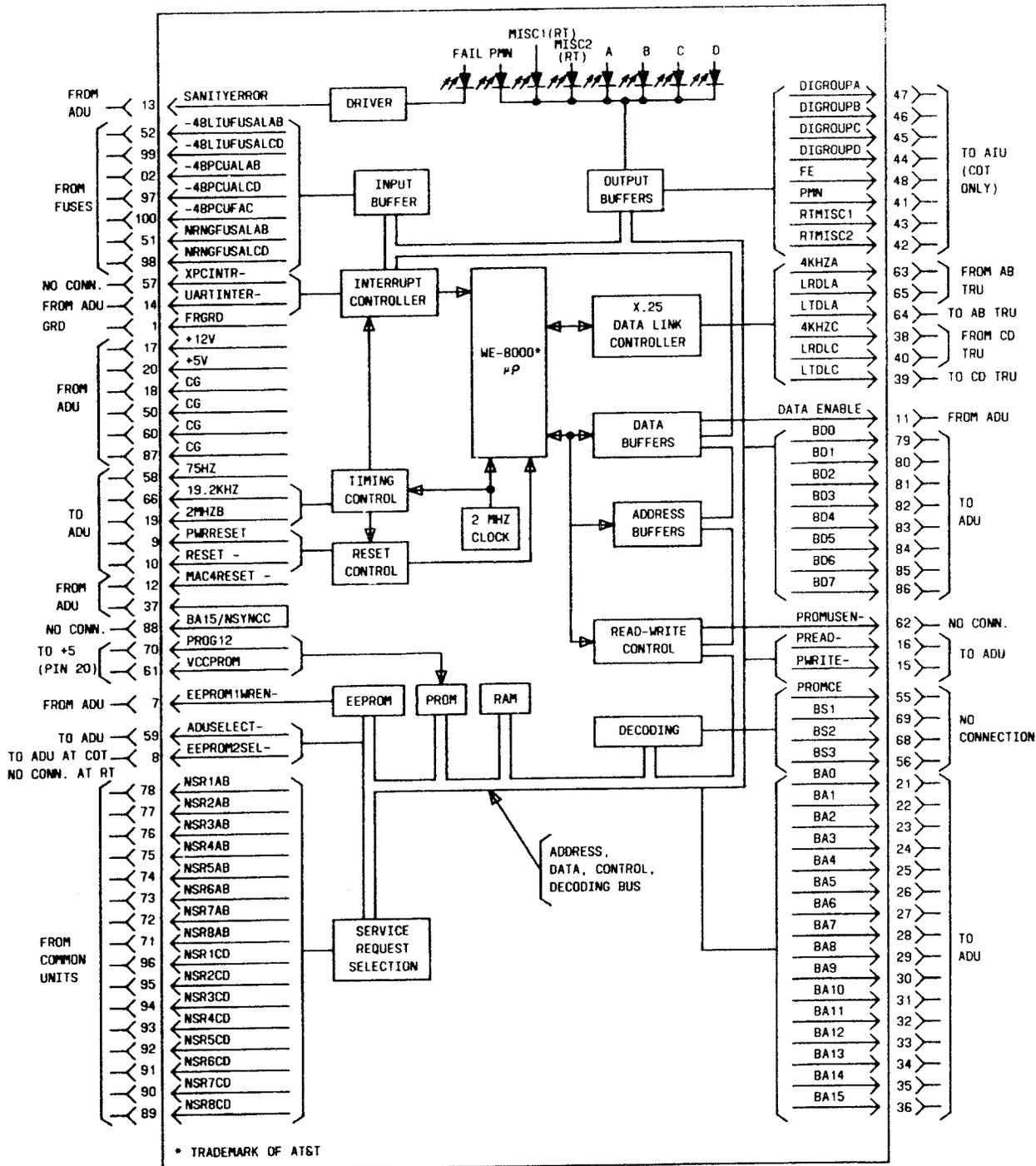


Fig. 1—MC97756A1 Block Diagram

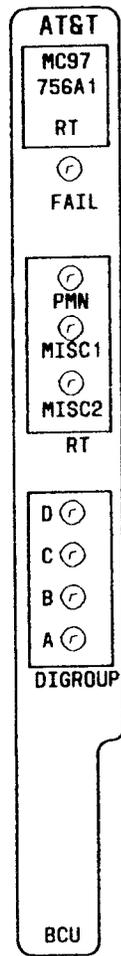


Fig. 2—MC97756A1 Faceplate