

ELECTRONIC SWITCHING SYSTEMS  
5ESS® SWITCHING EQUIPMENT  
DIGITAL CARRIER LINE UNIT  
CIRCUIT

CHANGES

A. Changed and Added Functions

A.1

B. Changes in Apparatus

B.1 Added Z option MC5D204A1, and added Y option Mc5D204A1B.

C. Changes in Circuit Requirements Other Than Those Caused By Changes

C.1

D. Description of Changes

D.1 Added Z option MC5D204A1, ANN4, and Y option MC5D204A1B, ANN4B Circuit Packs to drawings FS1 and FS2 Figures, Block Diagrams 1 and 2. Added information notes 307 and 308 and upgraded notes 302, 303 and 304 with current information.

E. Changes in Transmission Test Requirements

E.1

CIRCUIT DESCRIPTION

CD-5D202-02  
ISSUE 1  
APPENDIX 1B  
DWG ISSUE 2B  
DISTN CODE BT13

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F. Changes in Description of Operation or Changes in CD Sections

F.1

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SECTION I — GENERAL DESCRIPTION1. PURPOSE OF CIRCUIT

1.01 The digital carrier line unit (DCLU) is a peripheral of the 5ESS electronic switch. The DCLU allows the 5ESS electronic switch to terminate digital subscriber lines with a DS1 line format and provide a varying concentration ratio of up to 9:1. By selecting the appropriate concentration ratio, varying levels of call traffic may be economically handled.

1.02 SLC-96® is the subscriber loop carrier system that the DCLU presently terminates. By designing additional software for the 5ESS switching equipment, the DCLU may also directly terminate, without hardware changes, digital PBXs and digital trunks with a DS1 line format.

1.03 The DCLU may grow from a two-shelf unit to a three-shelf unit by adding a DCLU-SUPL. A fully equipped DCLU, including the DCLU-SUPL, can terminate up to 30 DS1 lines (T1 lines).

1.04 Further information for this section will be covered in a subsequent issue.

SECTION II — DETAILED DESCRIPTION1. GENERAL

1.01 The DCLU Model 2, J5D003AR-2, is a cost-reduced version of the DCLU, J5D003AR-1. The cost reduction resulted from eliminating local cables, brackets, and KS connectors; by changing to FASTECH® connectors; and by unit surface wire changes.

1.02 Further information for this section will be covered in a subsequent issue.

SECTION III — REFERENCE DATA1. GENERAL

1.01 Information for this section will be covered in a subsequent issue.

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