

2 1
ELECTRONIC SWITCHING SYSTEMS

NO. 3

DATA INTERFACE
CIRCUIT

SECTION I - GENERAL DESCRIPTION

1. PURPOSE OF CIRCUIT

1.01 The data interface circuit is used as an interface between the TTY controller and (over dedicated phone lines) data sets at another location. (The initial use is to send billing information to an AMARC.)

SECTION II - DETAILED DESCRIPTION

1.01 Two 202T-L1/2 data sets are provided. One serves as the primary channel and the other is used as a backup channel and will be switched to if problems occur with the primary channel. Two 130C power units provide the necessary ± 15 volt power that the data sets require. Each converter provides a low voltage alarm indication to the master scanner.

SECTION III - REFERENCE DATA

1. WORKING LIMITS

1.01 None.

2. FUNCTIONAL DESIGNATIONS

2.01 None.

3. FUNCTION

3.01 Provides a place to mount two (202T-L1/2) data sets and two (130C) power converters.

4. CONNECTING CIRCUITS

4.01 When this circuit is listed on a key sheet, the connecting information thereon is to be followed.

(a) Maintenance Frame Circuit - SD-1C912-01.

CD-3H914-01 - ISSUE 1

(b) Master Scanner Matrix Circuit - SD-3H140-01.

(c) Miscellaneous Frame Circuit - SD-3H903-01.

5. MANUFACTURING TESTING REQUIREMENTS

Intermediate Requirements

5.01 None.

End Requirements

5.02 This circuit should be tested to verify that it is wired in accordance with the schematic and wiring drawings and that the circuit is capable of performing all functions stated in this circuit description.

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DEPT 5332-GDD-PNB