

60A CONTROL UNIT  
 SD-99331-01

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1. GENERAL INFORMATION

1.1 Description

1.11 The 60A Control Unit, when installed with loop around test facilities, provides a means of eliminating unauthorized telephone service connections.

1.12 It is arranged to detect a 1000 HZ test tone, 0 to -15 db, and close the loop around path.

2. RECORDS AND REQUIREMENTS

2.1 Records

2.11 Results of these tests should be recorded on SD-4-1313 and summarized on SD-4-1315. Refer to Handbook 3, Section 6B for further information.

2.2 Requirements

2.21 Tests in this section meet requirements of CD and SD-99331-01 and BSP-103-240-500.

3. TEST EQUIPMENT

3.1 Test Sets

<u>Amt</u>	<u>ITE</u>	<u>Description</u>
1	4089	21A Transmission Measuring Set
1	4442A	Volt Ohmmeter

3.2 Cords

<u>Amt</u>	<u>ITE</u>	<u>Length</u>	<u>CD</u>	<u>One End</u>	<u>Other End</u>
2	9723	6'	2	241A	(2) ITE-2455 Plugs

3.3 Accessories

<u>Amt</u>	<u>ITE</u>	<u>Description</u>
4	8507	Alligator Clips

4. FUSING

4.1 Test the associated fuse post for absence of battery and ground. Install the correct type fuse as indicated by circuit drawings and fuse panel designation and verify the following potential is present.

-48V TB1(TS) PCHG 31

5. TEST OPERATIONS

5.1 Test Setup

5.11 Connect the power cord plug of the ITE-4089 to a 115-volt 60-cycle supply, and connect the attached test clip to a convenient ground.

5.12 Operate the ON-OFF switch to the ON position.

NOTE: Allow a ten minute warm-up period for the ITE-4089 TMS.

5.13 Connect the 241A plug of the ITE-9723 to the OSC OUT jack of the 21A Transmission Measuring Set.

5.14 Connect the two ITE-2455 plugs e/w alligator clips to terminals 28 and 38 of the TBI terminal strip.

5.15 Connect the 241A plug of the second ITE-9723 to the DET IN jack of the 21A TMS.

- 5.16 Connect the two ITE-2455 plugs e/w alligator clips to terminals 25 and 35 on the TB1 terminal strip.
- 5.2 Threshold Detection (input A)
- 5.21 Set the OSC OUTPUT to odb. Adjust the frequency between 990 and 1030 HZ and verify the DET IN reading remains at 0 db  $\pm$ .1db.
- 5.22 Reset the OSC OUTPUT to -14.5db. Adjust the frequency between 990 and 1030 HZ and verify the DET IN reading remains at -14.5db  $\pm$  .1db.
- 5.23 Set the frequency to 1000HZ and the OSC OUTPUT to -16db. The DET IN reading must be less than -40db.
- 5.3 Threshold Detection (input B)
- 5.31 Reverse the OSC OUT and DET IN plugs on the 21A Transmission Measuring Set.
- 5.32 Repeat paragraphs 5.21 thru 5.23. Disconnect the 21A Transmission Measuring Set.

No changes indicated due to extensive revision.

Manager, Product Engineering  
Control Center

Reason for Reissue:  
To eliminate the alignment procedures.