

PANEL SYSTEM
LOCAL TEST DESK NO. 12B
TRUNK KEYS

CHANGES

D. DESCRIPTION OF CIRCUIT CHANGES

- D.1 The connecting information was changed to cover the new requirements which provide for talking facilities between the M.D.F. or protector frame, and the local test desk.
- D.2 The connecting information for leads "T", "R", "K" and "L" was changed to include "OR Trunk Circuits".
- D.3 Note 102 was changed to include "talking trunk circuit to M.D.F. or protector frame".

All other headings under Changes, No Change.

DEVELOPMENT

1. PURPOSE OF CIRCUIT

- 1.1 This circuit is used to connect the various trunk lines or trunk circuits to the telephone circuit at the local test desk No. 12-B.

2. WORKING LIMITS

- 2.1 None.

OPERATION

3. FUNCTIONS

- 3.1 Provides a flashing signal on incoming calls except incoming calls from M.D.F. or protector frame.
- 3.2 Provides a steady busy signal when the call has been answered by the operation of the trunk key to the (TALK) position.

- 3.3 Connects the telephone circuit to the trunk by the operation of the trunk key to the (TALK) position.
- 3.4 Provides for holding the trunk without connection to the telephone circuit by the operation of the trunk key to the (HOLD) position.

4. CONNECTING CIRCUITS

- 4.1 Local test desk telephone circuit.
- 4.2 Trunk lines:-
 - 4.21 From final multiple.
 - 4.22 To line finder - to line switch.
 - 4.23 To manual switchboard.
 - 4.24 To "A" switchboard.
 - 4.25 To other desks.
 - 4.26 To toll switchboard.
 - 4.27 Ringdown two-way.
- 4.3 Talking trunk circuit to M.D.F. or protector frame.

DETAILED DESCRIPTION

5. OPERATION

5.1 Incoming Call

On incoming calls except calls from M.D.F. or protector frame, the (L) lamp will flash until the call is answered. The operation of the key to the (TALK) position will cause the lamp to light steadily as a busy signal and will connect the telephone circuit to the trunk. By the operation of the key to the (HOLD) position, the lamp will be lighted steadily as a busy signal but the telephone circuit will not be connected to the trunk but will be free for other use.

On calls from M.D.F. or protector frame if the main frame man wishes to initiate a conversation, he will signal the local test desk over the loud speaker circuit in the usual manner and ask the test desk man to come in on the talking trunk. The operation of the (TALK) key under this condition lights the trunk lamp as a busy signal and connects the telephone circuit to the tip and ring of the trunk.

5.2 Originating Calls

To originate a call the key is operated to the (TALK) position which causes the (L) lamp to light steadily as a busy signal and connects the telephone circuit to the associated trunk.

5.3 Disconnection

The release of the key to the (NORMAL) position will cause the lamp to be extinguished and will disconnect the telephone circuit from the trunk.

BELL TELEPHONE LABORATORIES, INC.

DEPT. 332

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