

COMMON SYSTEMS
LOCAL TEST DESK NO. 12B, 12C, OR 14
TALKING TRUNK CIRCUIT
TO M.D.F. OR PROTECTOR FRAME

DEVELOPMENT

1. PURPOSE OF CIRCUIT

- 1.1 This circuit is provided as a connecting link adapting the telephone circuit or the key and lamp circuit in the local test desk to the talking trunk at the main distributing or protector frame.

2. WORKING LIMITS

- 2.1 None.

OPERATION

3. FUNCTIONS

- 3.1 Provides means for connecting the key and lamp circuit or the telephone circuit at the local test desk to the talking trunk.
- 3.2 Provides for a make busy signal at multiplied positions of the local test desk using the universal wiring of the key and lamp circuit provided for the test desk.

4. CONNECTING CIRCUITS

- 4.1 Key and lamp circuit or telephone circuit at the local test desk.
- 4.2 Talking trunk at M.D.F. or protector frame.

5. DETAILED DESCRIPTION

When the test man at the local test desk wishes to talk to the test man at the M.D.F. or protector frame over the talking trunk, he will advise him of this desire over the loud speaker circuit. The operation of the trunk key at the local test desk will close ground to lead "K" which will operate relay (K). The operation of relay (K) will close 24 volt battery to lead "L" or "L1" which will cause the trunk lamp to light at each position at which the trunk is multiplied. This lamp signal serves as a busy signal and

remains lighted as long as the trunk key is operated. While the trunk key is operated to the talking position the tip and ring leads are cut thru as a talking circuit from the test desk telephone circuit to the talking jacks at the M.D.F. or protector frame. Restoring the trunk key to normal will release relay (K) and extinguish the lamp signal.

BELL TELEPHONE LABORATORIES, INC.

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