PANEL SYSTEM
MISCELLANEOUS CIRCUIT
FOR DISTRICT SELECTOR TEST FRAME

CHANGES

B. CHANGES IN APPARATUS

B.1 Superseded — Superseded By

1 - Yellow Mazda Lamp, Fig. 3 — 1 - Amber Mazda Lamp, Fig. 3

D. DESCRIPTION OF CIRCUIT CHANGES

D.1 Note 108 is added to rate the yellow aisle pilot lamp "A & M Only", superseded by the amber lamp.

All other headings under "Changes" - No Change.

DEVELOPMENT

1. PURPOSE OF CIRCUIT

1.1 To provide the circuit for miscellaneous apparatus on the district selector test frame.

2. WORKING LIMITS

2.1 None.

OPERATION

3. FUNCTIONS

3.1 To provide an alarm when a frame fuse operates.

3.2 To provide a visible alarm if the test circuit fails to complete a test.

3.3 To provide miscellaneous jacks as specified on the circuit.

4. CONNECTING CIRCUITS

4.1 Floor alarm board fuse and time alarm circuit.

4.2 Frame line circuit.

4.3 Test line circuit.

DETAILED DESCRIPTION

5. FUSE ALARM (FIGS. 1 AND 2)

When the 15 ampere fuse opens, the associated 1-1/3 ampere fuse operates. Operation of any 1-1/3 ampere fuse on the fuse panel lights lamp (FA) and causes continuous operation of the minor alarms. When the operated 1-1/3 ampere fuse is removed, the alarms are retired. Operation of the fuse alarm causes operation of the (A1) relay, lighting lamp (FP).

6. TIME ALARM AISLE PILOT LAMP (FIG. 3)

Operation of the test frame time alarm operates the (TF) relay, lighting lamp (TP).

7. TRANSMISSION TEST JACK (FIG. 4)

Jack (OS) may be patched to the (S) jack of the automatic test circuit to furnish the 1,000 cycle current required for the transmission test.

8. FRAME LINE BETWEEN FRAMES (FIG. 5)

Communication may be established with the "A" switchboard by inserting the plug of an "A" board cord in the "A" board jack and plugging an operator telephone set into the (TEL) jacks. Communication may be established with the sender make busy frame by operating the (TALK) key at the sender make busy frame and plugging an operator telephone set into the (TEL) jacks. Connection between two or more frames may be made by plugging operator telephone sets into the (TEL) jacks at the frames. Talking battery is supplied thru the connecting circuit. No signaling is provided.

9. FRAME TEST BATTERY (FIGS. 6 AND 8)

One connecting block is furnished on each side of the frame to supply 24 volt battery, 48 volt battery, ground and ground thru 12,000 ohms resistance for testing purposes. Jack (A) furnishes battery and ground for the portable test set.

10. SPARE JACK (FIG. 7)

Jack (B) is provided to meet possible future requirements for miscellaneous jacks.

BELL TELEPHONE LABORATORIES, INC.

DEPT. 332

WPA)
WLF) BI