

CIRCUIT DESCRIPTION
AMERICAN TELEPHONE & TELEGRAPH CO.,
DEPT. OF DEVELOPMENT & RESEARCH.
BELL TELEPHONE LABORATORIES, INC.
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PANEL SYSTEM
MISCELLANEOUS CIRCUITS
FOR DECODER CONNECTOR FRAME

DEVELOPMENT

1. PURPOSE OF CIRCUIT

- 1.1 The purpose of these circuits is to provide a fuse alarm and show figures for other miscellaneous equipment mounted on the decoder connector frame.

2. WORKING LIMITS

- 2.1 None.

OPERATION

3. FUNCTIONS

- 3.1 To give a visual signal when any decoder connector frame fuse blows. A lead to the decoder test frame is furnished from the fuse alarm figure for the purpose of ringing bells and lighting lamps at the decoder test frame and floor alarm board.

4. CONNECTING CIRCUITS

- 4.1 Miscellaneous circuits for decoder test frame.
4.2 Local frame line circuit.
4.3 Miscellaneous circuits for decoder frame.
4.4 Decoder test circuit.

DETAILED DESCRIPTION

5. FRAME FUSE ALARM (FIG. 1) - When a 15 ampere fuse blows a 1 1/3 ampere alarm type fuse (connected in parallel) also blows connecting 48 volt battery through a resistance, a lamp and a low resistance relay to ground. If any of the 1 1/3 ampere frame fuses blow, battery thru the 15 ampere fuse is

connected thru a resistance to the same lamp described above. When either type of fuse blows, the (red) "fuse alarm" lamp lights and the low resistance relay operates to bring in bells and other lamps as required.

6. FRAME LINE BETWEEN FRAMES (FIG. 2) - These jacks provide means for talking to other frames as required.

7. SPARE JACK (FIG. 3) - This jack is furnished for any future need that may arise.

8. TEST CIRCUIT REMOTE CONTROL JACK (FIG. 5) - This jack is for controlling the decoder test circuit from the decoder connector frame.

9. FRAME TEST BATTERY SUPPLY (FIGS. 4 AND 6) - A fuse from the frame fuse panel supplies 48 volt battery to the 27 type connecting block and the (A) jack and the 24 volt battery and high resistance ground comes from the miscellaneous fuse board as shown per Fig. 6.

AMERICAN TELEPHONE & TELEGRAPH CO.,
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BELL TELEPHONE LABORATORIES, INC.

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