

M. of O. was prepared from Issue 1 of ST-512577.

METHOD OF OPERATION

Fuse Alarm Circuit - Subscribers Sender Frames - Panel Machine Switching System.

DEVELOPMENT

1. PURPOSE OF CIRCUIT

- 1.1 This circuit is used to bring in audible and visible signals when a trouble condition takes place in the subscribers sender frame equipment.

2. WORKING LIMITS

- 2.1 None.

OPERATION

3. PRINCIPAL FUNCTIONS

- 3.1 In the event of a trouble condition to notify the desk switchman or sender monitor promptly of the nature and approximate location of the trouble and of the progress being made to correct it, the signals at the trouble desk are in the nature of supervisory signals for enabling the switchman to take appropriate action if any alarm is left unattended for an undue length of time.

4. CONNECTING CIRCUITS

- 4.01 The battery bus bars associated with subscribers sender frames.
- 4.02 The ringing bus bars associated with ringing generator.
- 4.03 The ring and buzzer associated with floor alarm board and the trouble desk respectively.

DESCRIPTION OF OPERATION

5. SELECTOR FRAMES FUSE ALARM (FIG. 1)

- 5.1 The operation of a 48 volt fuse at a sender frame connects exchange battery to the winding of an (A) relay in series with a sender FR. lamp in the aisle, operating the relay and lighting the lamp. The (A) relay operated, operates the (A-1) relay. The (A-1) relay operated, lights a sender FR. lamp at the floor alarm board and another at the trouble desk, each in series with an associated (AC) relay. The floor

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alarm board (AC) relay **operated**, operates a 34-F subset ringer and the trouble desk (AC) relay operated, operates a buzzer. When the operated fuse is replaced, the (A) relay releases, extinguishing the aisle sender FR. lamp and releasing the (A-1) relay. The (A-1) relay released, extinguishes the floor alarm board and the trouble desk sender FR. lamps and releases the associated (AC) relays, silencing the audible signals, if operating.

ENG: F.S.G.

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