

Western Electric Company, Inc.,  
Equipment Engineering Branch, Hawthorne.

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METHOD OF OPERATION  
SIGNAL CIRCUIT

Interrupter Flash - Selector Frames - Panel Machine Switching System.

DEVELOPMENT

1. PURPOSE OF CIRCUIT

This circuit shows the interrupter and alarm circuit used in Panel Machine Switching Office.

2. WORKING LIMITS

None.

OPERATION

3. PRINCIPAL FUNCTIONS

This circuit embodies a busy flash interrupter with ground alarm.

4. CONNECTING CIRCUITS

Standard full mechanical circuits requiring the busy flash.

DESCRIPTION OF OPERATION

5. The busy flash interrupter controls the flashing of the busy tone in connection with a final selector circuit. In the event of a ground on any one of the associated busy back leads, the (BB) relay operates and releases in unison with the make and break of the interrupter. The operation and release of the (BB) relay flashes the lamp. This lamp is usually associated with one side of a final frame to indicate the location of the trouble whenever it should occur. The operation of the (BB) relay also operates a relay in the associated fuse alarm circuit, thereby flashing trouble lamps at the floor alarm and main alarm boards.

ENG. A.F.H.  
9/4/23  
BMS.

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