MESSAGE REGISTER RACK
UNIT TYPE
EQUIPMENT DESIGN REQUIREMENTS
COMMON SYSTEMS

1. GENERAL

1.001 This addendum supplements Section 801-006-156, Issue 5.

1.002 This addendum is issued:

(a) To provide information about overtime charging; it is in accordance with SD-32133-01, Issue 22A.

(b) To revise Notes 5.02, 5.06 through 5.10.

3. DRAWINGS

The following changes apply to Part 3 of the section:

Under Wiring and Cabling

Change: ED-90587-01

To Read: ED-90587-( )

5. GENERAL NOTES

The following changes apply to Part 5 of the section:

(a) 5.02, 5.06, 5.07, 5.08, 5.09, and 5.10—revised

(b) 5.08 (a)—added

Change: 5.02

To Read:

5.02 ***Fuse Panel:*** Fuse panel ED-90426-( ) and mounting details ED-90569-( ) are furnished with each line message register rack for step-by-step offices where strapped terminals of the registers are connected to battery.

Change: 5.06, 5.07, and 5.08

To Read:

5.06 Connection of the register leads from the IDF terminal strips to the message register terminals on the rack is established with 66M-type switchboard cables, each cable connecting to 100 registers, as shown on the cabling drawing per ED-90587-( ).

5.07 Battery from a fuse panel at the bottom of the rack in step-by-step offices and ground from a ground bar in local panel and manual offices are connected to a second terminal on each of the message registers by means of 450M type switchboard cables, each cable providing the battery or ground to 100 registers. A strap wire which is run between these battery or ground terminals on the registers, and a loop wire connecting to this strap between the fifth and sixth position on each mounting plate, make the battery or ground lead of the cable common to two plates of registers. This feature, together with the forming of wires from the 66M-type cable to the center of each plate, permits moving the mounting plates forward for maintenance.

5.08 The 450M cables attached to each 66M cable should be approximately 8 feet long and the installer should cut off the excess length of these cables when connecting them. The 450M cables are connected to the fuse panel in step-by-step offices with two leads to a fuse and to the terminals on the ground bar in manual or panel offices with one lead to a terminal.

Add: 5.08 (a)

(a) When the message registers are used with overtime charging, the 450M-type cable will be replaced with switchboard cable to the multicontact relay circuit that has a loop resistance

of no more than 14 ohms. This restriction limits the distance between the MC relay circuit and the MR to 600, 370, and 230 feet for wire gauges 20, 22, and 24, respectively. Four mounting plates will be multipled together with 20-gauge wire and be served by one MC1 lead. The MC2 lead shall be terminated on the appropriate fuse of the fuse panel.

Change: 5.09 and 5.10

To Read:

5.09 A No. 4 lead is run down inside the first upright of each line message register rack in a lineup. This lead is connected to the fuse panel in step-by-step offices and to the ground bar in panel and manual offices. It is connected at the top to the battery or ground feeder, as required, by means of a Frankel connector.

5.10 The line message register rack in step-by-step offices obtains its framework ground by means of No. 6 lead from the ground source to a ground lug located at the top of an upright at the approximate center of the ultimate lineup.

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