

WIRING
DRIVE MOTOR SAF-TO-FUSE BOX

CONTENTS

- | | |
|------------|---------------------------------|
| 1. INDEX | 3. INSTALLING EQUIPMENT |
| 2. GENERAL | 4. REQUIREMENTS AND METHODS |
| 2.1 Scope | 4.1 Drive Motor SAF-TO-FUSE Box |

1. INDEX

Subject	Figure	Paragraph
Contact Protection	1	4.11, 4.125
Mounting		4.12-4.16
Splices	1	4.15

2. GENERAL

2.1 Scope

2.11 This section covers the requirements and methods to be followed when installing and wiring drive motor SAF-TO-FUSE boxes in panel type offices. It is to be used with the other sections in the 6 series.

3. INSTALLING EQUIPMENT

3.1 The required tools and supplies are shown in Paragraphs 3.11 and 3.12 in Section 6A.

4. REQUIREMENTS AND METHODS

4.1 Drive Motor SAF-TO-FUSE Box

4.11 A contact protection assembly (168-A condenser) is shipped to the job for each motor box, to be mounted in the box and connected by the installer. This assembly consists of a mounting plate, condenser and resistance, which provide a protection for the contacts of the motor AC relay and DC motor windings. It is furnished with leads long enough for connection inside the box.

4.12 To prepare the boxes for mounting, the following procedure will be of advantage.

4.121 Remove the covers from the boxes, replacing the screws temporarily to prevent them from becoming lost. Store the removed covers in a convenient place until the boxes have been mounted and wired.

4.122 Punch out the knockout discs from either the back or the side of the box (depending on the type of frame the box is to be mounted on). Before punching out the knockout discs, make sure that there will be no interference with the wiring to the boxes from framework, etc., when the boxes are mounted on their particular frames.

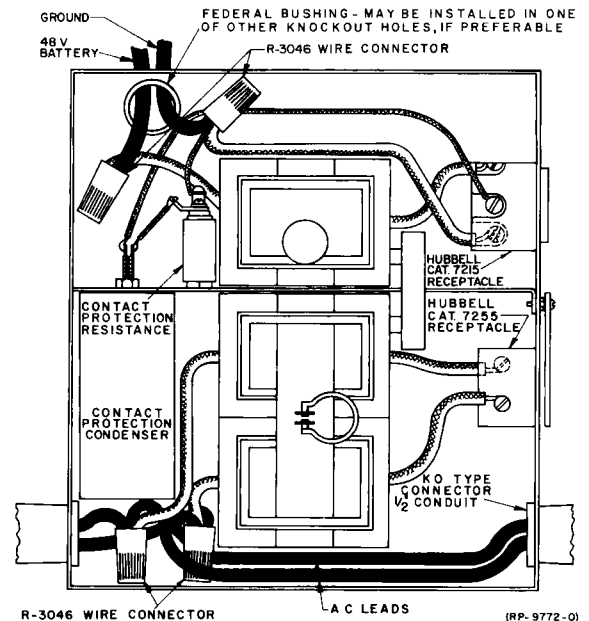


FIG. 1 WIRING OF DRIVE MOTOR SAF-TO-FUSE BOX (PAR. 4.125)

4.123 Install the connectors for the AC conduit and the porcelain bushing for the DC leads in the knockout holes.

4.124 When boxes are to be installed using mounting brackets, P-420203, such as on double sided frames, attach the mounting bracket to the box at this time, using the screws provided. The rear of the box is drilled to accommodate these screws.

4.125 Mount the contact protection assembly and connect the condenser lead to the 3 pole receptacle, as shown in Figure 1.

4.126 Remove the SAF-TO-FUSE units, test the fuses, and replace the units if the fuses are satisfactory.

4.13 Mount fuse boxes in the frames after the motor brackets have been mounted and aligned, if possible. Mount them in a vertical position and fasten them securely in the frame, in accordance with the standard drawings.

4.14 After the conduit is installed, pull the leads into the boxes.

[4.15 Splice leads in the boxes, as shown in Figure 1.

4.16 After all wiring is completed, replace the motor fuse box covers, taking care not to burr the screw heads.

➔ Arrowed lines indicate new or changed information.

[Vertical line at side of paragraphs indicates requirements.

Manager, Product Engineering

Reason for Reissue:
(1) To Change Figure 1.

Replaces Section 6E dated 10-19-61.