

# REMOTE ADAPTER KIT MODEL NUMBER 14C220

The equipment described below should be installed only by qualified electrical maintenance personnel familiar with the construction and operation of the equipment and the hazards involved.

#### DANGER

CONTROLLER EQUIPMENT IS AT LINE VOLT-AGE WHEN A-C POWER IS CONNECTED TO THE POWER UNIT IN THE MINPAK PLUS CON-TROLLER. THUS, A-C POWER MUST BE RE-MOVED FROM THE UNIT BEFORE IT IS SAFE TO TOUCH INTERNAL PARTS OF THE CON-TROLLER. PERSONAL INJURY MAY RESULT UNLESS POWER IS REMOVED.

## DESCRIPTION

The optional Remote Operator Adapter Kit allows the locating of operator controls some distance from the Controller.

In addition to a Remote Operator Adapter Module, this Kil contains all the mounting hardware necessary to secure the Module. (Refer to Figure 1.) However, one may also need to order 2 additional options from Reliance.

Briefly, the following three steps describe what must be done:

- Select the blank Remote Operator ,Station Covor Faceplate if not supplied as standard, Otherwise, order Model Number 14C200.
- Order a Remote Operator Adapter Kit, Model 14C220. (This unit provides a connection point for the Remote Station.)
- Specify a Reliance Remote Operator Control Station. Connect it to the controller.

Reliance offers a variety of Remote Operator Stations that are compatible with the MinPak Plus controller. (Refer to Table 1.A).

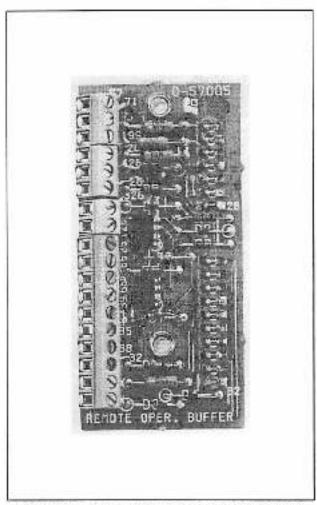


Figure 1 — Remote Operators Adapter Module W/Terminal Markings

TABLE 1.A
REMOTE OPERATOR CONTROL STATIONS

When Using a MinPak Plus Controller With:	Specify Operator's Station Model	Functions Provided			
		Start/Stop Rocker Switch	Speed Setting Potentiometer	Run/Jog Selector	Forward/Reverse Selector
Basic features (standard unidirec- tional Station)	9C45	Уeз	yes	yes	no
NEMA Type 4 Station with basic features	9C18	yes	yes-	yos	no
Explosion-proof Station with basic features	9C17	yes	yes	yes	ne
Basic features plus armature reversing (standard reversing Station)	9C46	yes	yes	yəs	yes
NEMA Type 4 Sta- tion for reversing	9C19	yes	yes	yes	Aes
Explosion-proof Station for reversing	SC16	yes	yes	yes	yes .

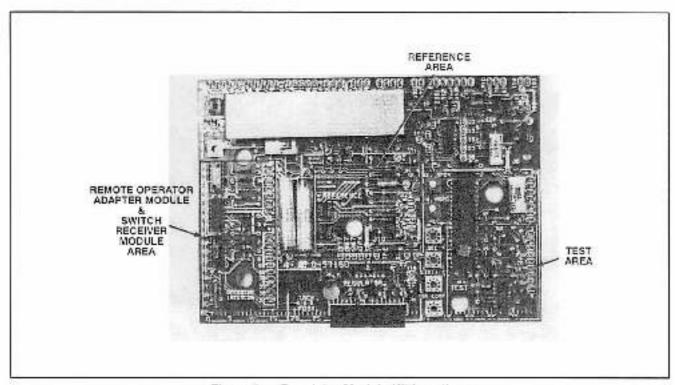


Figure 2 — Regulator Module Kit Locations

#### WARNING

BEFORE ATTEMPTING TO INSTALL THE MIN-PAK PLUS MODIFICATION KIT, DISCONNECT AND LOCK OUT ALL SOURCES OF INCOMING POWER TO THE CONTROLLER.

- Locate the area on the Regulator Module where the Remote Operator Adapter Module is to be mounted. Place the Module in the proper orientation; the eage with 10 holes should be aligned over the 10 pins. (Refer to Figure 2). Carefully, slowly and gently press the Module down on the pins until it bottoms out. Use the 2 screws to secure it.
- Based on the specific control capability of the Remote Operator Station chosen, select the required wires specified in Table 7.B, D-3937.
- Draw the wires into the Controller through the dedicated conduit. Then cut individual wires to lengths required for connection to the kit's terminal strip. Wire according to Figure 3.4, D-3937.

#### WARNING

EXCESSIVE LENGTHS OF BARE WIRE COULD CAUSE SHORTS AND/OR GROUNDS. STRIP MINIMAL INSULATION FROM EACH WIRE.

- Visually inspect all wiring. Check wire placement against diagrams. Look for grounds and shorts caused by broken insulation. Make sure the conduit is grounded.
- Attach the blank faceplate onto the cover if not already supplied. Follow installation instructions provided in Instruction Manual D-3977 MinPak Plus local operator station faceplate. Be sure to attach ground wire to cabinet door.

### DANGER

IT IS NECESSARY TO ATTACH THE FACTORY CONTROLLER GROUND WIRE TO THE CONTROLLER CABINET DOOR VIA THE LOCAL OPERATORS STATION FACEPLATE. PERSONAL INJURY MAY RESULT IF THIS PRACTICE IS NOT FOLLOWED.

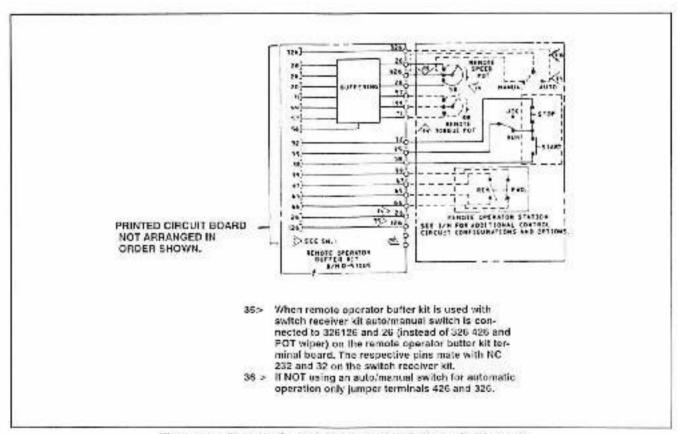


Figure 3 - Remote Operator Adapter Kit Schematic Diagram

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