MINPAK PLUS
ACCESSORY

INSTRUCTION MANUAL D-3977

LOCAL OPERATOR STATION FACEPLATE KIT
MODEL NUMBERS 14C201 THRU 14C208

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 VOLTAGE WHEN A-C POWER IS CONNECTED TO THE POWER UNIT IN THE MINPAK PLUS CONTROLLER. THUS, A-C POWER MUST BE REMOVED FROM THE UNIT BEFORE IT IS SAFE TO TOUCH INTERNAL PARTS OF THE CONTROLLER. PERSONAL INJURY MAY RESULT UNLESS POWER IS REMOVED.

DESCRIPTION

For proper operation of the Three Phase MinPak Plus, it is necessary to use an Operator's Control Station. When the station is mounted locally on the cabinet door, users may select from eight (8) Standard Faceplates (Model No. 14C201 thru 14C208) in order to configure a controller to a specific drive application. Table 1.A is an inclusive listing of Faceplate types, Model Numbers and functions. With the local Operator's Station Faceplate properly installed, the Controller will maintain the NEMA Type 12 rating.

The Faceplates are supplied with a bag of 8 hex nuts. No other equipment nor any other Reliance options are required with this option.

If a **Local** Operator Station contains an AUTO/MANUAL switch, it is necessary to remove jumper J4 from the Regulator Module. (Refer to Figure 7).

Figure 1 – MinPak Plus W/Local Operator Control Station Faceplate

TABLE 1.A
LOCAL OPERATOR'S CONTROL FACEPLATES

When Using a MinPak Plus Controller With:	Specify Operator's Control Faceplate Model	Functions Provided ①					
		Start/ Stop	Speed-Setting Pot	Torque-Setting Pot	Run/Jog Selector	Forward/ Reverse Selector	Automatic/ Manual Selector
• Blank Faceplate (Use with Remote Station)	14C200	no	no	no	no	no	no
• Basic features	14C201	yes	yes	no	yes	no	no
• Basic features plus armature-reversing	14C202	yes	yes	no	yes	yes	no
• Basic features plus automatic/manual modes of operation	14C203	yes	yes	no	yes	no	yes
• Basic features plus armature-reversing and automatic/ manual modes of operation	14C204	yes	yes	no	yes	yes	yes
• Basic features plus torque control	14C205	yes	yes	yes	yes	no	no
• Basic features plus armature-reversing and torque control	14C206	yes	yes	yes	yes	yes	no
• Basic features plus torque control and automatic/manual modes of operation	14C207	yes	yes	yes	yes	no	yes
• Basic features plus armature-reversing, torque control and automatic/manual modes of operation	14C208	yes	yes	yes	yes	yes	yes

① POWER ON/OFF circuit breakers standard with Controller.

INSTALLATION

WARNING

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

1. Remove Standard Blank Faceplate from cabinet door by removing the 8 hex nuts and washers. (Refer to Figure 2). ***NOTE: The Controller ground wire (green) is attached to upper hex nut to ground cabinet door. This must be returned and re-mounted to this location when Local Control Station is installed. (Refer to Figure 3).***
2. Clean the area around the circuit breaker boot, on the Local Control Operators Station that is to be installed, with alcohol. (Refer to Figure 4).
3. With a sharp knife or razor blade cut a slit on the top and bottom surfaces of the rubber circuit breaker boot.
4. Take black plastic cover plate from plastic bag kit supplied with the Three Phase MinPak Plus and on back side (side with bump) apply a thin stream of glue (3/32 max.), from tube of glue supplied with this kit, around the perimeter of the plate.
5. Turn plastic plate over. Push out circuit breaker boot in so that it is totally collapsed and place plastic plate over hole in operators plate. Hold down or put weight on top of plastic cover. Hold this way for three (3) minutes. This allows set time for glue. A total of twelve (12) hours will completely dry the part to the operators panel. (Refer to Figure 5).

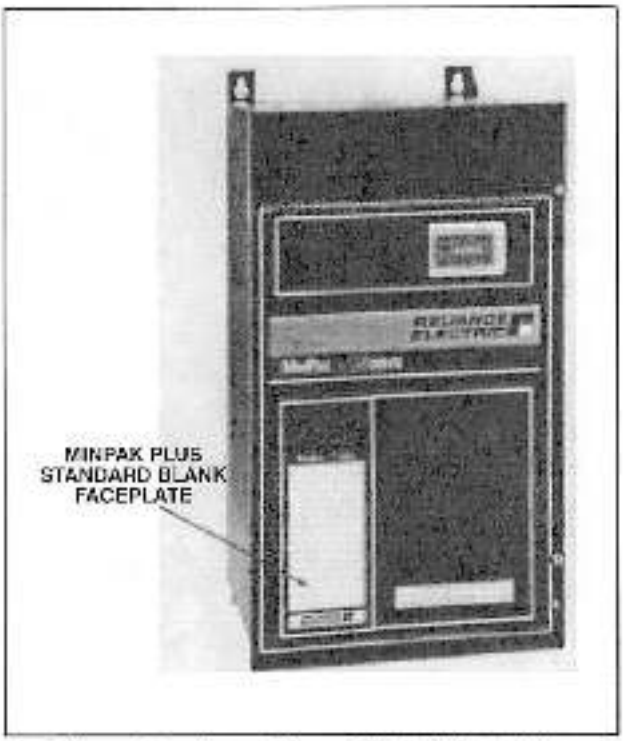

Figure 2 – Three Phase MinPak Plus With Standard Blank Faceplate

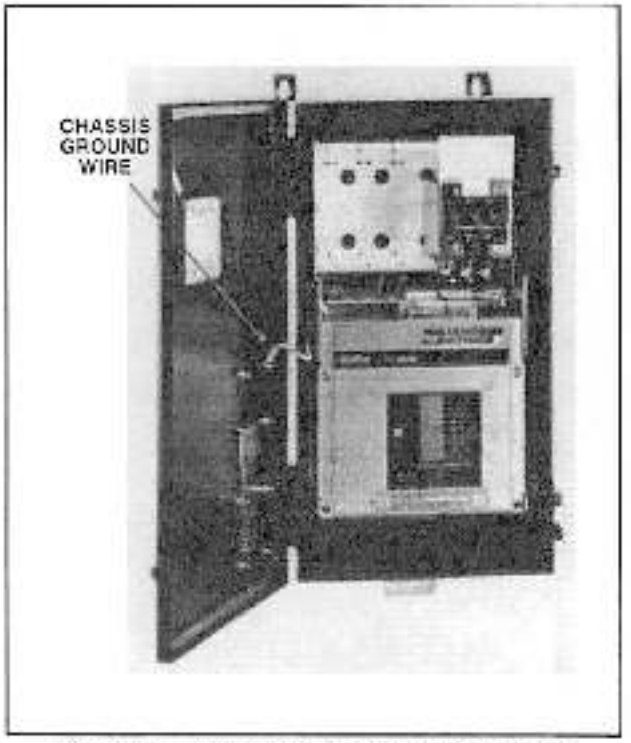

Figure 3 – Three Phase MinPak Plus With Chassis Ground Wire Mounted to Local Operators Control Cabinet Door Faceplate

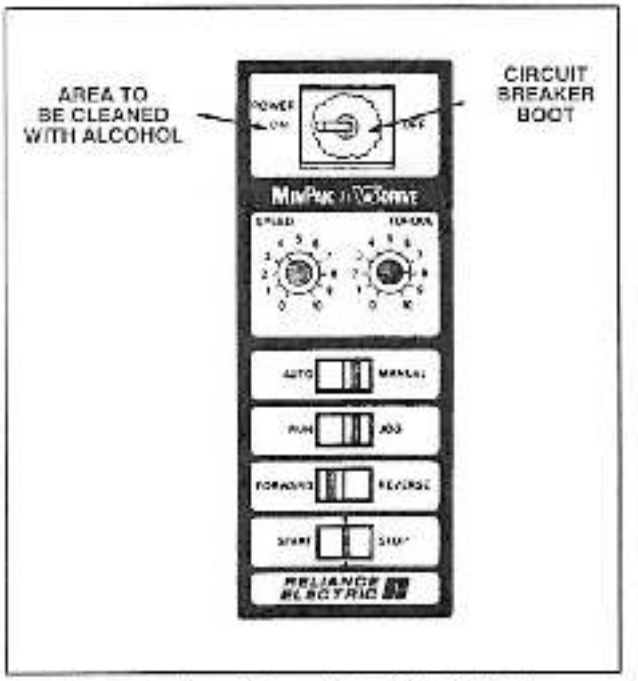

Figure 4 – Local Faceplate With All Options

6. Pass the 2 wire harnesses through the Cover cut-out, align the threaded studs with the holes, and press the Faceplate into place. Check for an even seating on the gasket.

7. Attach and tighten all 8 hex nuts until the Faceplate bottoms out on the stops built into the Cover. Use an alternating pattern when tightening, but tighten all nuts evenly. Attach the ground (green) wire to the Faceplate with the standard nut provided. (Refer to Figure 3).

DANGER

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

CAUTION: If the Operator's Control Station Faceplate is not properly seated and firmly tightened, the NEMA Type 12 rating of the controller cannot be maintained. Make sure there is a firm seating against the gasket.

8. Locate the area on the Regulator Module where the 2 connectors will connect. (Refer to Figure 6 and Figure 7). Note there are 2 sets of pins. Mate the connector with the red wire in the end position connecting to the pin marked 32 (RED).

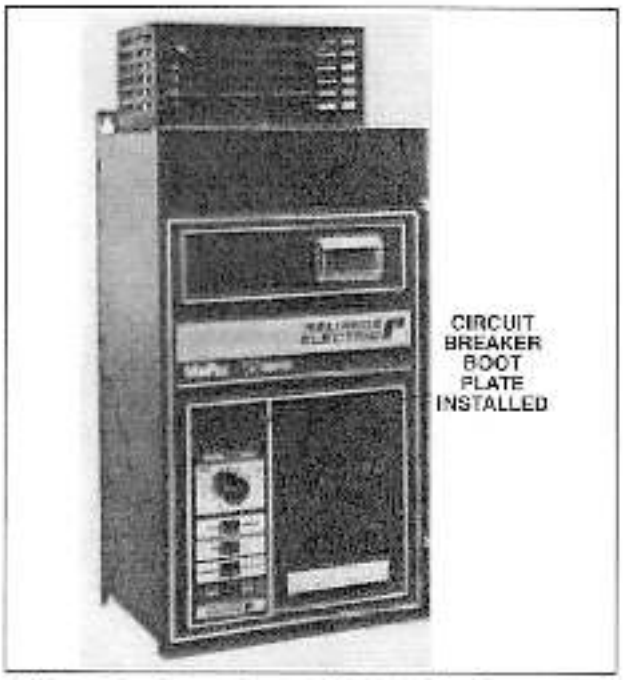

Figure 5 – Three Phase MinPak Plus Operators Control Station Installed

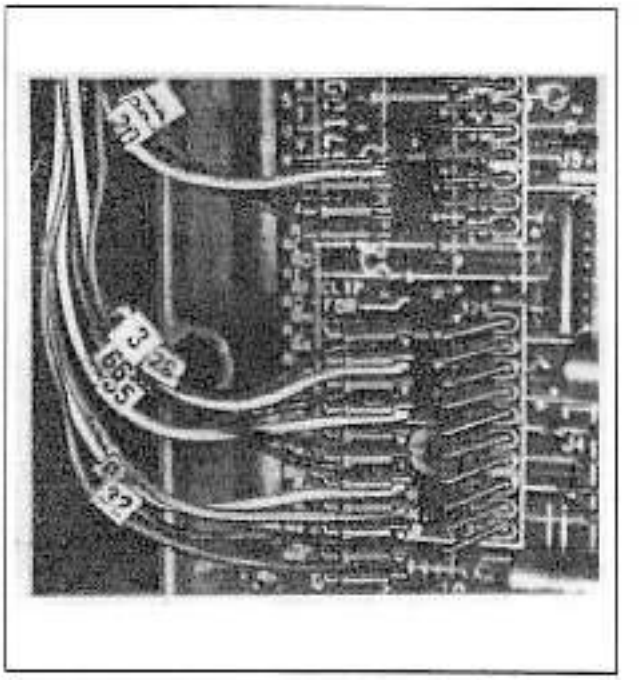

Figure 6 – Local Faceplate Connectors

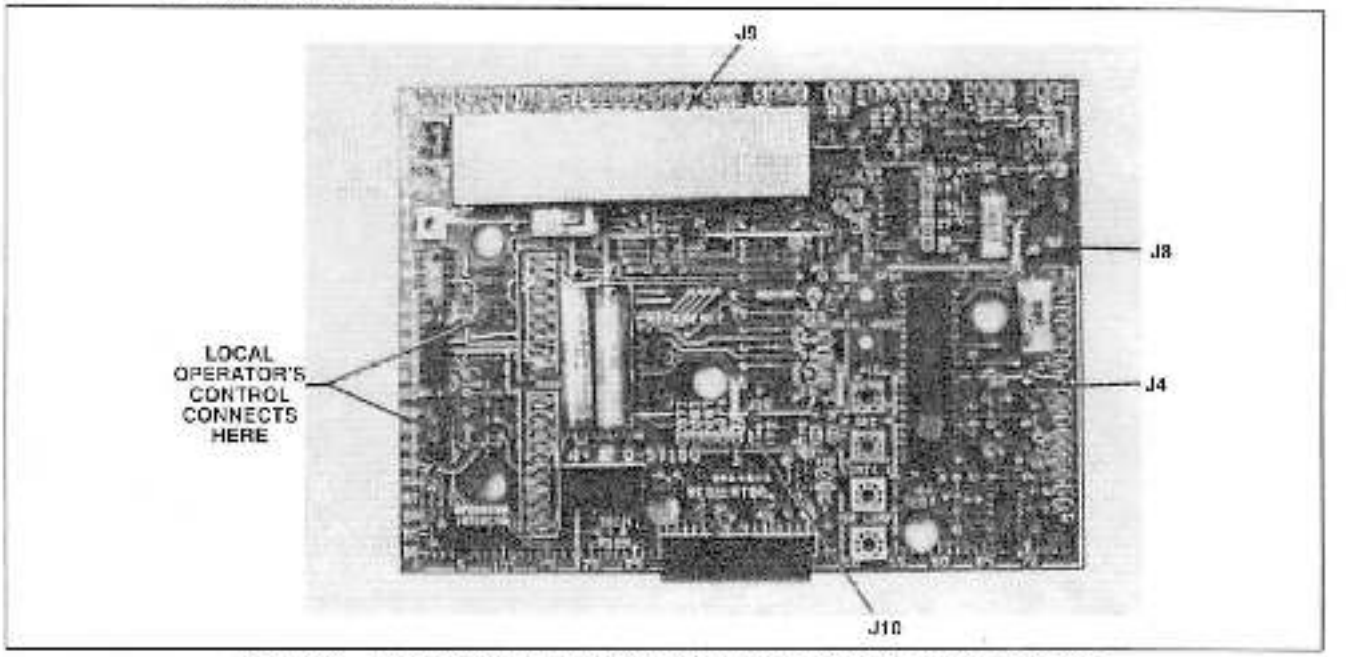

Figure 7 – Three Phase MinPak Plus Regulator Board Jumper Location