

# INSTALLATION AND OPERATING INSTRUCTIONS

002B078-00 Rev A  
Cage Code 56183  
Date 1 Jan 91

## LINE VOLTAGE CORRECTOR

### 1. GENERAL

This unit is intended for installations of 6-PAK air dryers where the available line voltage in the central office may drop below 217 VAC. The voltage line corrector will boost the 3 phase voltage approximately 10%. The unit consists of a sheet metal enclosure equipped with transformers, a twist lock power connector and a 30 amp circuit breaker. A copy of the wiring diagram is attached.

### SPECIFICATIONS

Size: 4 ¾ H x 15 5/8 L x 9 ¾ W  
Weight: 45 lbs.  
Input Volts: 198 – 216 VAC, 3 phase  
Output Volts: 220 – 240 VAC, 3 phase  
Output Amps Max: 30

**NOTE:** Consideration should be given to peak load conditions as voltage may vary by as much as +5%.

### 2. INSTALLATION

**NOTE:** Electrical connections shall be governed by local ordinances and according to electric power company requirements.

- A. Mount the corrector using the hardware provided. Since the corrector may be either mounted on top of the 6-PAK air dryer or wall mounted, a layout of holes for mounting the unit is shown in Figure 1. The top of the 6-PAK air dryer is pre-punched for 6-PAK-LV mounting.
- B. Connect wire of power cable with plug (supplied) to input power cabling in junction box of 6-PAK air dryer. See Figure 2 for connections. Connect plug of power cable to corrector.
- C. Connect input power cable of corrector to power source. See figure 2 for connections. If additional cabling is required to make the interconnection, use 4-conductor, 10 AWG power cable (not supplied).

**CAUTION:** Be certain that the power cords **are not** in contact with the top edges of the air dryer. Dress cables to allow for vibration of air dryer.

The following parts are shipped with the units:

TX P/N	Description	Quantity
4520M10	Voltage Line Corrector	1
618B510-01	Mounting Screws, ¼ - 20 x 1" Hex Hd. Cap	4
560B100-01	Nuts, ¼ - 20	4
986B106-01	Washers, Flat ¼	4
986B007-01	Washers, Split Lock ¼	4
1200A-001	Neoprene Washers for mounting on top of air dryer	4
4220A194	Plug (if shipped separately from air dryer)	1

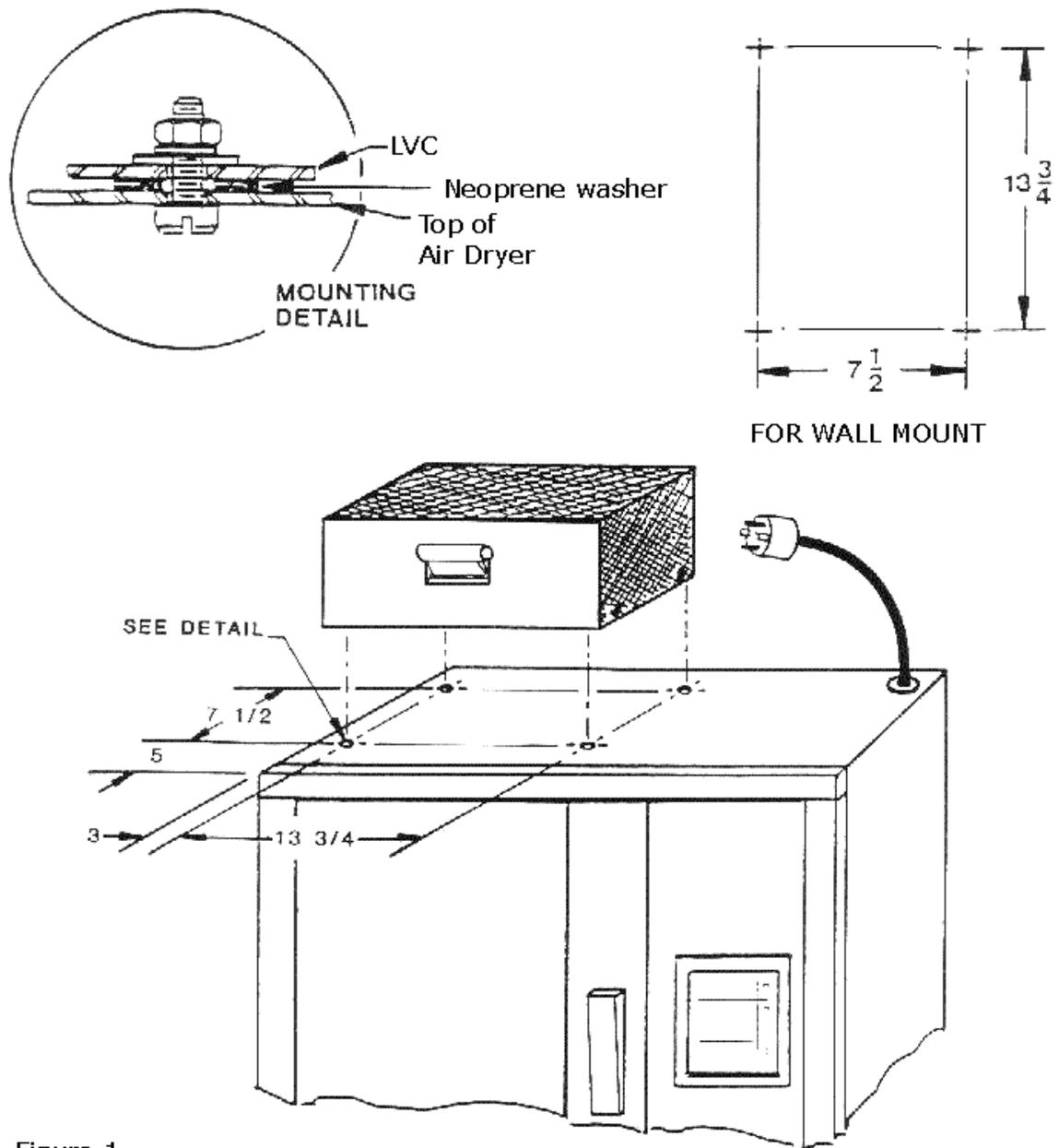


Figure 1

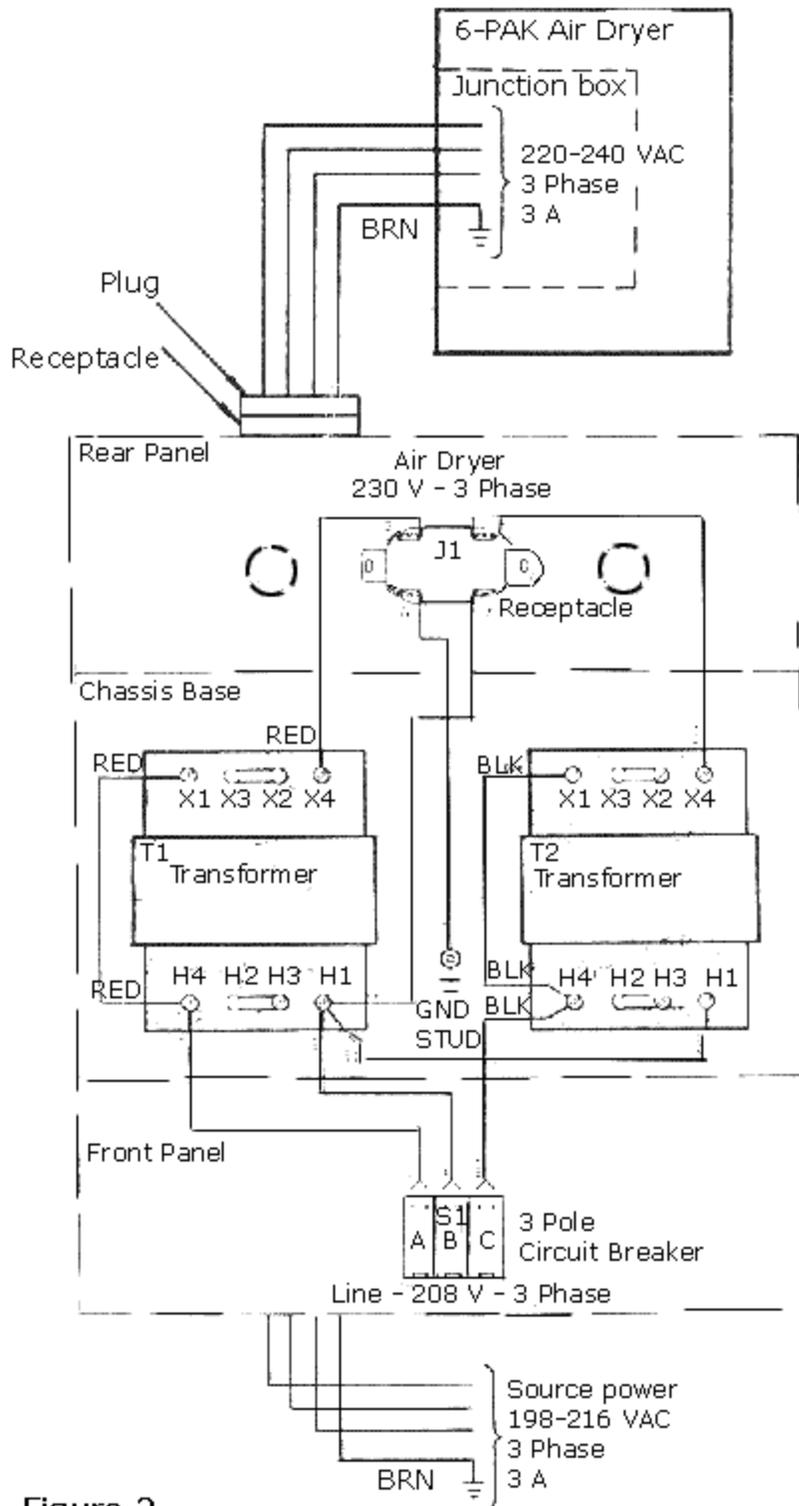


Figure 2