

VAC-ALERT PCB UNITS PSAC-1-30

CUSTOMER CONNECTIONS

A) Connect Vac-Alert Panel as per installation drawing 1476 Rev.2.

B) Notes to Terminal Board Connections

- 1) 30 amp relay (black) can be used to control the pump motor or the pump motor starter control circuit.
- 2) For a motor, connect Incoming lines on # 2 (on the black relay) and # 6. Connect the motor on # 4 and # 8.
- 3) For use in a motor starter control circuit connect the motor "hot" lead to # 2. Connect the L2 or neutral connection to # 6. Then connect the motor coil to # 4. Terminal # 8 will not be used.
- 4) Connect all grounds to the green wire.
- 4) Remote stop function. The unit has the capability for a remote stop. TB2 sends out 24 V.A.C. to a N.C. dry contact remote stop switch/button. TB3 receives the signal back. If this function is not used, place a jumper as denoted on the drawing.
- 5) Remote Alarm- Unit has a dry contact relay which will energize when the high vacuum alarm is activated. Maximum rating of the contacts: 8 amps at 240 volts.
- 6) Alarm reset must be pushed to clear any alarm
- 7) An optional remote buzzer alarm or voice alarm is available. The connections are denoted on the drawing.
- 8) The proper input voltage must be selected for the pump. Pump slide switch setting is shown on the printed circuit board.
- 9) Input power circuit must be between 115 and 230 V.A.C. to allow delay timer to operate properly.

CAUTION SAFETY WARNING

As with all electrical products, read manual thoroughly before operating. Only qualified, expert personnel should perform maintenance or installation. Failure to do so may result in equipment damage, personnel injury or even death.

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SYSTEM OPERATION.

INITIAL SYSTEM STARTUP FOR EACH PUMP

- A)** On FW Murphy Switchgauge move the alarm lever to a value higher than the expected operating vacuum. Use a 1/16 inch hex wrench to make this adjustment.
- B)** Start the Pump at the remote control panel. This will also start the alarm delay timer (1 minute) on the Vac-Alert panel. Power On light will be illuminated. The high vacuum alarm will not be active until this timer is done.
- C)** After the delay, **slowly**, turn the alarm lever on the switchgauge to a lower value until the pump stops.
- D)** Turn off the Pump at the remote control panel.
- E)** Turn the alarm lever on the switchgauge to a higher value (desired alarm point).
- F)** Re-start the Pump at the remote control panel. This will also start the alarm delay timer (1 minute) on the Vac-Alert panel.

PERIODICALLY TEST VACUUM SWITCH AND SHUT DOWN SYSTEM TO ENSURE PROPER OPERATION.

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