

VAC-ALERT PCB UNITS PSAC-1-8

CUSTOMER CONNECTIONS

A) Connect Vac-Alert Panel as per installation drawing 1447 Rev 1. Connections are also displayed on the inside front cover.

B) Terminal Board Connections

1) TB1 and TB2- Panel input power. Either 115/1/60 or 220/1/50. Verify proper input power. Use slide switch to select voltage on the PCB.

2) TB3 – Input power ground connection.

3) TB4 – Motor controller “hot” lead. (Wire going to the motor coil connection).

4) TB5 – To motor controller coil. (When energized motor will start).

5) TB6 – Motor controller circuit L2 or neutral connection.

6) TB7 – High Vacuum Alarm relay – Common.

7) TB8 – High Vacuum Alarm relay- N.C.

8) TB9 – High Vacuum Alarm relay – N.O.

C) Motor controller circuit must be between 115 and 230 V.A.C. to allow delay timer to operate properly.

D) High Vacuum Alarm relay dry contact rating: Maximum 8 amps.

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.

- 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) Energize Vac-Alert Control panel. Power On light will be illuminated.
- C) Start the Pump at the remote control panel. This will also start the alarm delay timer (1 minute) on the Vac-Alert panel. The high vacuum alarm will not be active until this timer is done.
- D) After the delay, **slowly**, turn the alarm lever on the switchgauge to a lower value until the pump stops.
- E) Turn off the Pump at the remote control panel.
- F) Press the alarm reset pushbutton.
- G) Turn the alarm lever on the switchgauge to a higher value (desired alarm point).
- H) 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.

3/10/9