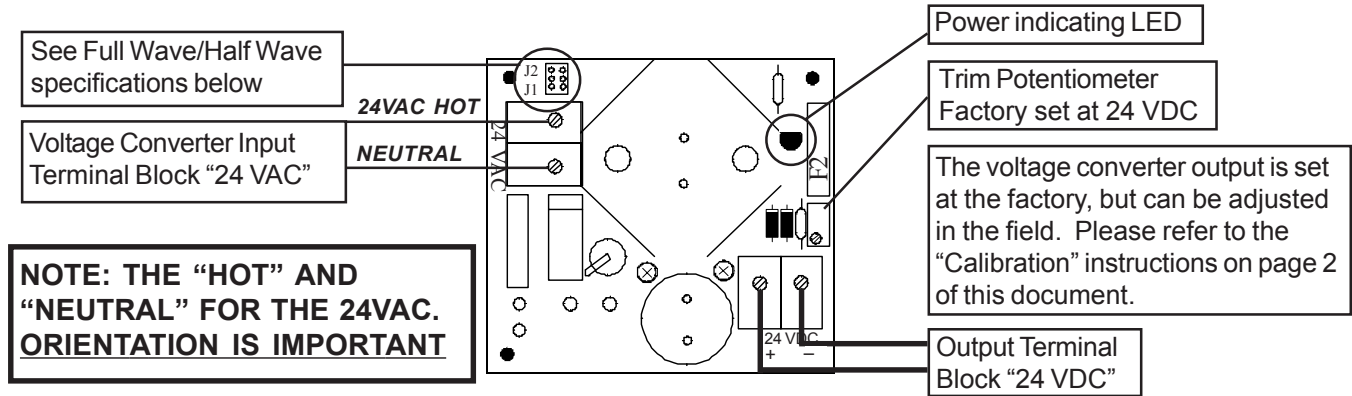


## Termination

### Voltage Converter: VC3000

The VC3000 series voltage converter is powered with 24 VAC. The voltage converter has a terminal block which is clearly labeled as "24 VAC". If properly wired, the red LED located near fuse "F2" will light.

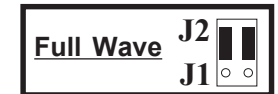


## Jumper Settings

### Rectification Settings

The AC to DC rectification may be set either to full wave or to half wave by selecting the proper position of the shorting blocks on the Jumper Block.

When multiple devices, such as controls/actuators/vc3000, are connected to (1)one transformer, the Full Wave/Half Wave rectification must match. For example, if the controls being used are Half Wave and they are connected to the same transformer that supplies the Voltage converter board you must have "J1" set correctly to indicate Half Wave.



## Calibration

VC3000 series voltage converters have an adjustable output of 1.2 VDC to 24 VDC (factory set to 24 VDC unless specified otherwise at the time of order). Adjust output to a custom voltage as follows:

1. Using a volt meter, connect the positive lead to the "+" and the negative lead to the "-" of the terminal block labeled "24 VDC".
2. With a small, straight bladed screwdriver, adjust the trim potentiometer (located just behind the terminal block labeled "24 VDC") until the volt meter reads the desired output.
3. Disconnect the volt meter
4. Connect the load.
5. If stiff regulation is required, measure the voltage out under load and adjust accordingly.



## Diagnosics

### PROBLEMS:

No voltage on output

### POSSIBLE SOLUTIONS:

- Check "F2" fuse for continuity (F1 fuse isn't loaded). If a replacement fuse is needed, replace it with a 4.0 A fuse.

**\*Loading higher value fuses may cause damage and void warranty**

Voltage on output is reading low or high

- Verify input voltage is correct
- Verify that the "trim potentiometer" is set correctly using the calibration procedure shown below
- Verify input voltage is correct
- Check wiring for proper termination