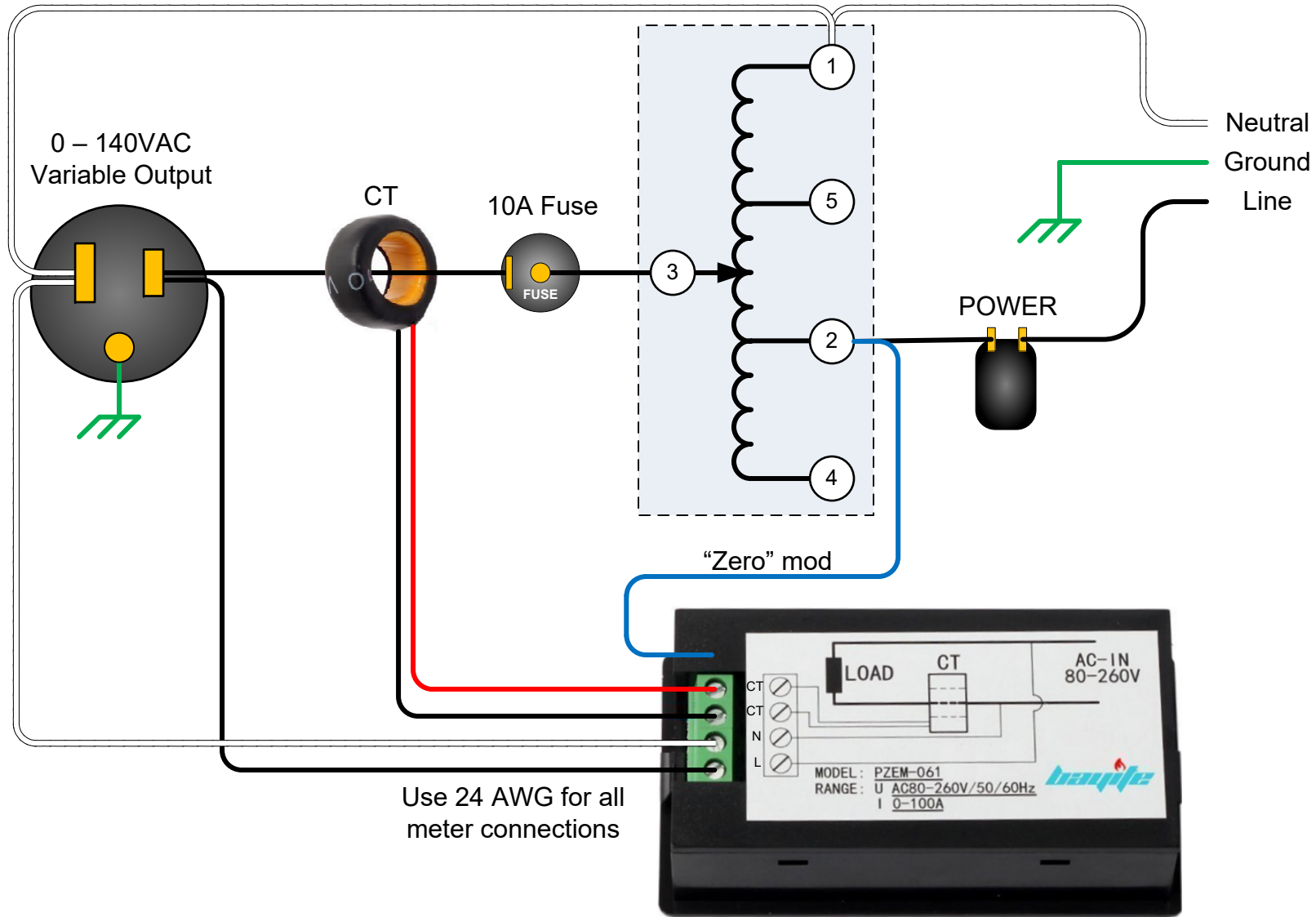


Superior Powerstat 3PN216C Autotransformer with PZEM-061 panel meter



VIP!!! Neutral must connect to the PZEM-061 as shown. Otherwise, the “Zero” mod will not work.

Superior Powerstat 3PN216C Autotransformer with PZEM-061 panel meter



“Zero” mod

The only caveat with this simple four wire hookup is that the meter needs a minimum of 60VAC to operate. This means that whenever the variac output is adjusted lower than 60VAC, the meter ceases to operate. That's not ideal when using a voltmeter with a variac.

However, there is a simple one wire mod that allows the meter to measure down to zero volts. The AC voltage that feeds the meter power supply is coupled through that big yellow cap, C12. Simply cut the lead closest to that 470 μ F/16V cap. (I suggest you leave a stub of the cap lead on the board just in case you ever want to reverse this mod.) Next solder a small wire (blue wire in the photo) to the free end of C12 and connect the other end of this wire to the input of your variac, which is a constant line voltage. Now your meter circuitry operates independently of the variac setting and will allow measurements all the way down to zero volts.

**Neutral must connect as shown below.
Otherwise, the “Zero” mod will not work.**

