

The CVT-100 can accept a 0 to 5 Amp RMS current from a CT (Current Transformer) or a 0 to 20 Volt RMS voltage from a PT (Potential Transformer) and converts it to a proportional DC current loop. The CVT-100 is factory calibrated for either 5 Amp CT or 20 Volt PT depending on which range is ordered. Check the PCB jumper position to determine correct input device.

FIELD CALIBRATION

1. Connect the CVT-100 as shown in the wiring diagram. The Controller should be replaced with a current or volt meter for the calibration procedure.
2. Apply power to the CVT-100 and ensure no current is flowing in the transformer. Adjust the "ZERO" pot to obtain a 4.00 mA signal on the output.
3. Apply the full scale input signal and adjust the "SPAN" pot for a 20.00 mA output signal.
4. These two adjustments are not interactive and the device is now calibrated.

CAUTION :

Lethal voltages exist on CT leads if not connected to a monitoring device. Do not connect with power applied ! Lethal voltages exist on PT leads when power is applied, even if connected to a monitoring device.

WIRING:

