MOUNTING POSITION - Because the RPR-1 contains a mercury-wetted relay, it must be mounted in a vertical position to operate correctly.

INPUT - The RPR-1 is powered by an AC or DC voltage of between 90 and 300 volts. Connect the L1 voltage of the AC line (or DC’s negative voltage) to the RPR-1’s Kin terminal. Connect the L2 voltage of the AC line (or the DC’s positive voltage) to the Kout terminal on the meter. Connect the RPR-1’s Yin terminal to the meter’s Yout terminal. Connect the RPR-1’s Zin terminal to the meter’s Zout terminal. CUT jumper JP1 for 240V or 277V operation. (See note above.) No other power supply is required to use the RPR-1 relay.

FUSES - The fuses are type 3AG and may be up to 1 Amp in size. One 1/2 Amp fuse (F1) is supplied standard with the unit unless otherwise specified.

OUTPUTS - One three-wire isolated output is provided on the RPR-1, with output terminals K1, Y1 & Z1. Typical output circuit shown above. Arc suppression for the contacts of the mercury-wetted relay is provided internally.
**MOUNTING POSITION** - Because the RPR-1LL-1 contains a mercury-wetted relay, it must be mounted in a vertical position to operate correctly.

**POWER INPUT** - The RPR-1LL-1 may be powered by an AC voltage of between 90 and 300 volts. The hot lead should be connected to the L1 terminal and the neutral to the L2 terminal.

**METER CONNECTIONS** - Connect the RPR-1LL-1's "Kin" and "Yin" input terminals to similar terminals on the meter: "K" & "Y". The RPR-1LL-1's "Kin" terminal provides a common return. The "Yin" terminal provides a "pulled up" input line. Closing a dry contact switch, open-collector transistor or open-drain FET between the "Kin" and "Yin" terminals activates the RPR-1LL-1's input and results in K-Y output continuity. Upon opening of the input, the output returns to K-Z output continuity. A minimum closure time of 20 milliseconds is required for a valid input. If required, this minimum closure time may be changed. Contact factory.

**FUSES** - The fuses are type 3AG and may be up to 2 Amps in size. A 1/2 Amp fuse (F1) is supplied standard with the unit unless otherwise specified.

**OUTPUTS** - One three-wire isolated output is provided on the RPR-1LL-1, with output terminals K1, Y1 and Z1. An optional second output is available. Arc suppression for the contacts of the mercury-wetted relay is provided internally. For each change of the input, the output of the relay will change state.