**MOUNTING POSITION** - The RPR-2LS can be mounted in any position.

**INPUT** - The RPR-2LS is powered by an AC line voltage of between 90 and 300 volts. Connect the L1 voltage of the AC line ("HOT") to the RPR-2LS' relay KIN terminal. Connect the L2 voltage of the AC line to the K terminal on the pulse initiator of the meter. If Neutral is used, it should be connected to the K terminal of the meter. Although the RPR-2LS will work with either AC polarity, this is the preferred hookup configuration. The RPR-2LS will not operate without all three wires between it, the power supply and the meter as shown on Page 2. Connect the RPR-2LS' GND terminal to the electrical system ground. The RPR-2LS' power supply is auto-ranging and does not require any configuration for any voltage in the operating range. No other power supply is required to use the RPR-2LS relay. The meter's KYZ pulse initiator must be rated for the line voltage used.

**FUSES** - The fuses are type 3AG and may be up to 1/2 Amp in size. Two 1/2 Amp fuses (F1 & F2) are supplied standard with the unit unless otherwise specified.

**OUTPUTS** - Two 3-wire isolated outputs are provided on the RPR-2LS, with output terminals K1, Y1 & Z1, and K2, Y2, & Z2. Typical output circuit shown above. Arc suppression for the contacts of the solid-state relays is provided internally.
RPR-2LS B-Series Wiring Diagram

To Line
1 2 3 NEU

Service Entrance

To Loads

Electric Meter

Pulse Initiator

Y Z

K

RPR-2LS Repeating Pulse Relay

Out 1 To EMS

Out 2 To SCADA

120-277VAC

Power Supply Connections

*Connect L2 to neutral, if used

1 32 NEU

To Loads

Pulse Isolation Relay

Wiring Diagram 1    8-13 B Series Update

Brayden Automation Corp./Solid State Instruments div.
6230 Aviation Circle
Loveland, CO 80538
(970)461-9600
(970)461-9205 fax
www.solidstateinstruments.com