MOUNTING POSITION - The RPR-3LS can be mounted in any position.

INPUT - The RPR-3LS is powered by an AC line voltage of between 90 and 300 volts. Connect the L1 voltage of the AC line to the RPR-3LS' (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 must be connected to the Kin terminal. The RPR-3LS will not operate without all three wires between it, the power supply and the meter as shown on Page 2. Connect the RPR-3LS' GND terminal to the electrical system ground. The RPR-3LS' 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-3LS 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. Three 1/2 Amp fuses (F1,F2 & F3) are supplied standard with the unit unless otherwise specified.

OUTPUTS - Three 3-wire isolated outputs are provided on the RPR-3LS, with output terminals K1, Y1 & Z1; K2, Y2, & Z2; and K3, Y3, & Z3. Typical output circuit shown above. Arc suppression for the contacts of the solid-state relays is provided internally.
RPR-3LS Wiring Diagram

Service Entrance

To Line

1 2 3 NEU

To Loads

Electric Meter

Pulse Initiator

Y Z K

Yin Zin Kin

L1* L2 120-277VAC

Power Supply Connections

RPR-3LS Repeating Pulse Relay

Out 1 To EMS

K1 Y1 Z1

Out 2 To SCADA

K2 Y2 Z2

Out 3 To IDR

K3 Y3 Z3

*Must be neutral, if used

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