MOUNTING POSITION - The RPR-1LS can be mounted in any position.

INPUT - The RPR-1LS is powered by an AC voltage of between 90 and 300 volts. Connect the L1 voltage of the AC line to the RPR-1LS' (relay) Kin terminal. Connect the L2 voltage of the AC line to the meter's K terminal. If Neutral is used, it must be connected to the Kin terminal. The RPR-1LS will not operate without all three wires between it, the power supply and the meter as shown in the wiring diagram on Page 2. Connect the RPR-1LS' GND terminal to the electrical system ground. The RPR-1LS' 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-1LS relay. The meter's KYZ pulse initiator must be rated for the line voltage used.

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

OUTPUT - One 3-wire isolated output is provided on the RPR-1LS, with output terminals K1, Y1 & Z1. The dry-contact output circuit is shown above. Arc suppression for the contacts of the solid-state relay is provided internally.
RPR-1LS Wiring Diagram

To Line

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Service Entrance

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Electric Meter

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Pulse Initiator

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RPR-1LS Repeating Pulse Relay

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Out 1

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To EMS

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1 32 NEU

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To Loads

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120-277VAC

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Power Supply Connections

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*Must be neutral, if used