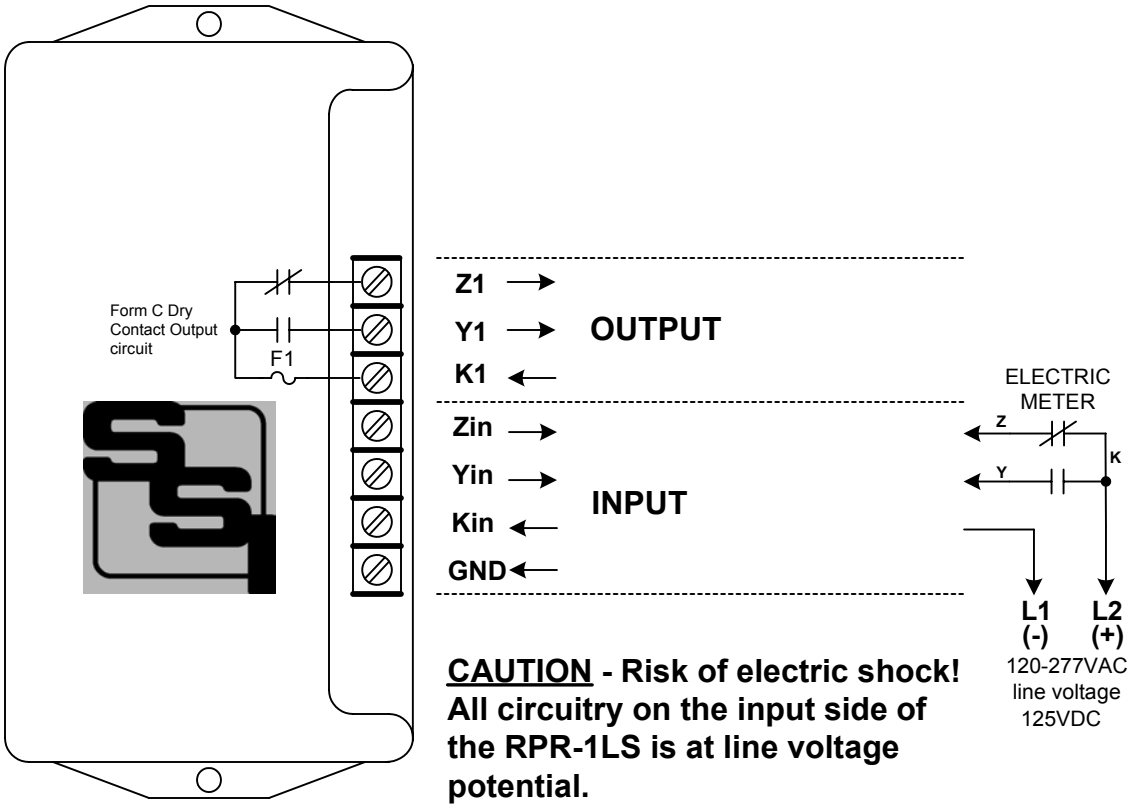
RPR-1LS PULSE ISOLATION RELAY INSTRUCTION SHEET

Elite Solid State



CAUTION - Risk of electric shock! All circuitry on the input side of the RPR-1LS is at line voltage potential.

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

INPUT - The RPR-1LS is powered by an AC or DC voltage of between 90 and 300 volts. For an AC supply, 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. For a DC supply, connect the positive (+) voltage source to the meter's K terminal, and the negative (-) to the RPR-1LS' (relay's) **Kin** terminal. Connect the RPR-1LS' **Yin** terminal to the meter's Y terminal and the RPR-1LS' **Zin** terminal to the meter's Z 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-2LS' 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.

SOLID STATE INSTRUMENTS

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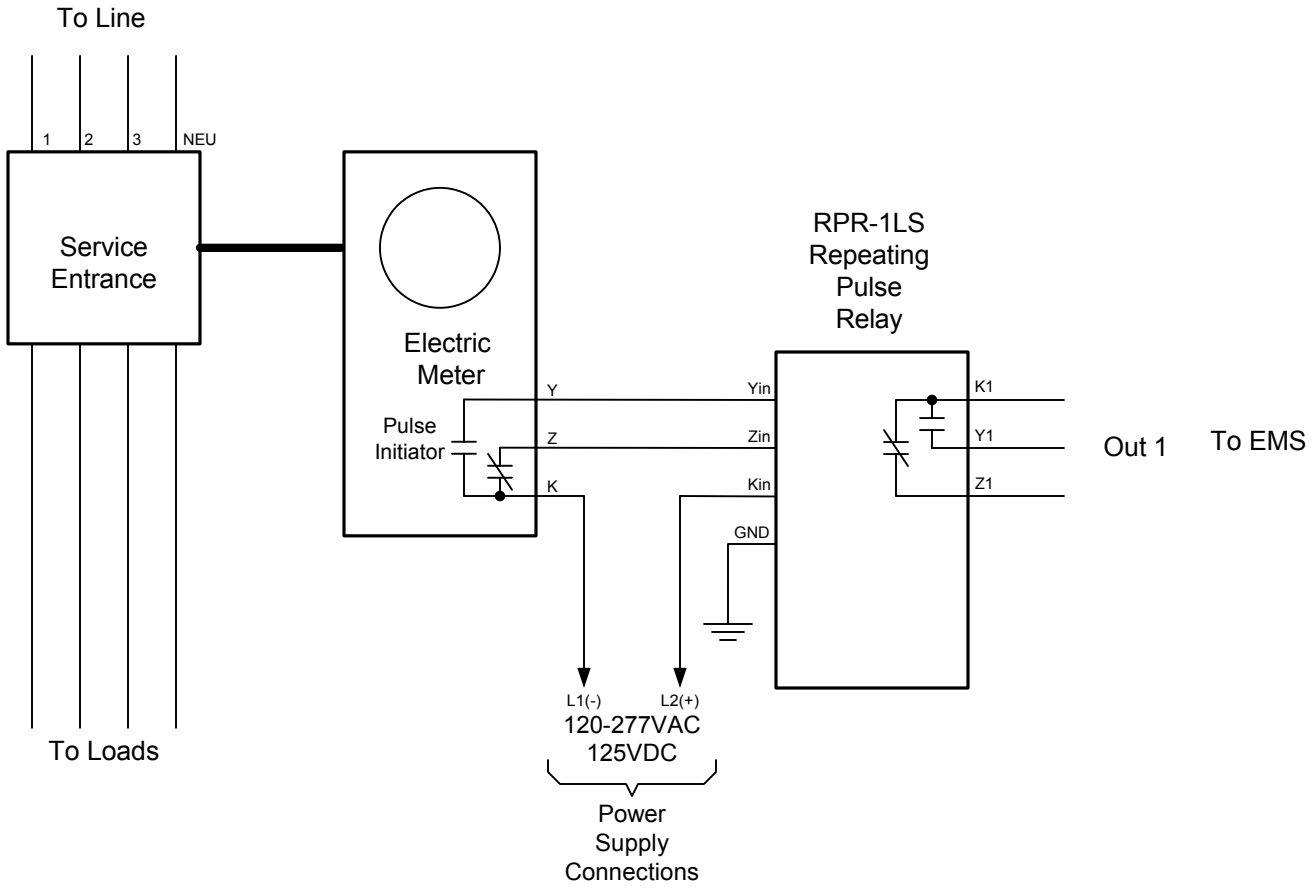
RPR-1LS Wiring Diagram



RPR-1LS Repeating Pulse Relay Wiring Diagram		REVISIONS	
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