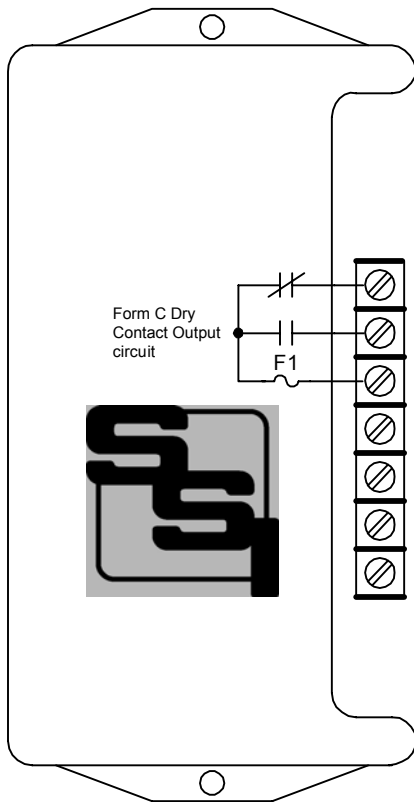


RPR-1LS

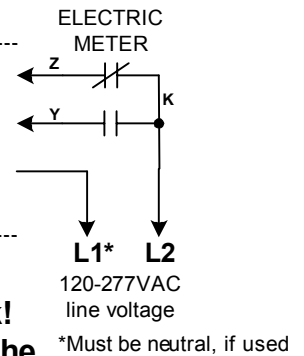
Elite Solid State

PULSE ISOLATION RELAY INSTRUCTION SHEET



Z1 →
Y1 → **OUTPUT**
K1 ←

Zin →
Yin → **INPUT**
Kin ←
GND ←



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 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.



SOLID STATE INSTRUMENTS

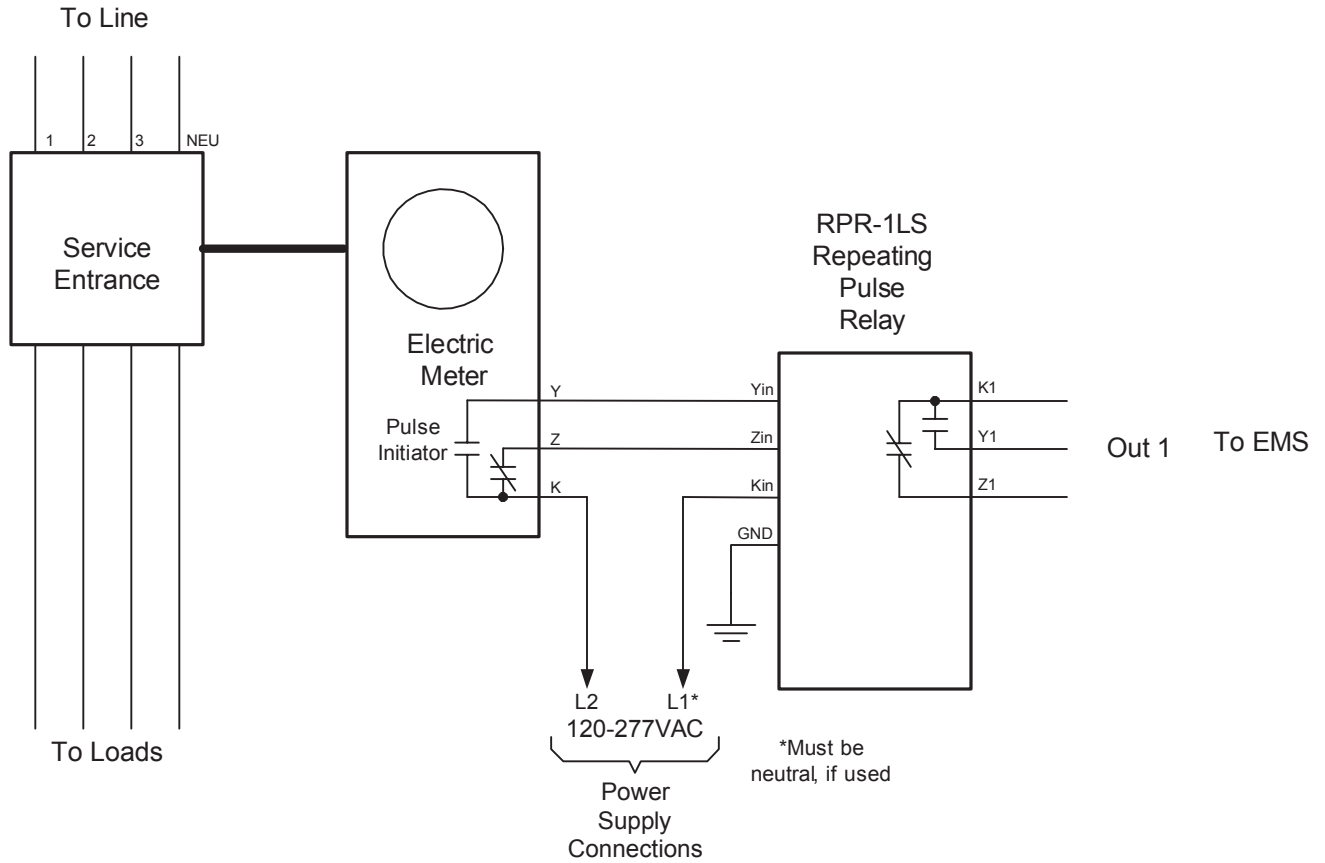
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RPR-1LS Wiring Diagram



RPR-1LS Pulse Isolation
Relay Wiring Diagram

REVISIONS

NO.	DATE	DESCRIPTION

DATE ORIGINAL
07/27/10

SCALE
N/A

LATEST REVISION

JOB NO.

CHECKED

DRAWN
WHB

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