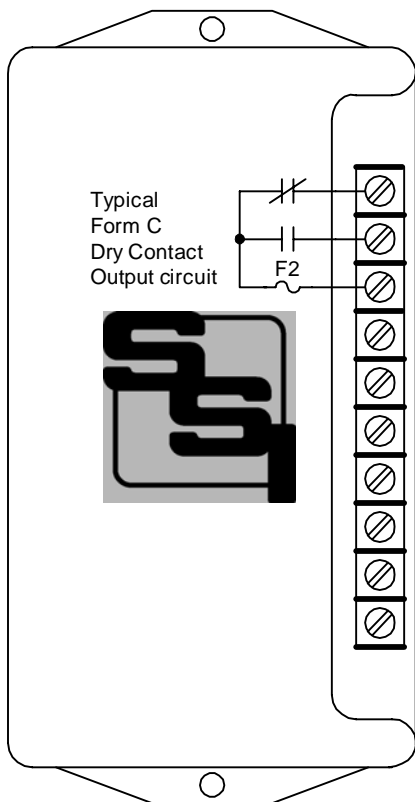


RPR-2LS

B Series

Elite Solid State

PULSE ISOLATION RELAY INSTRUCTION SHEET

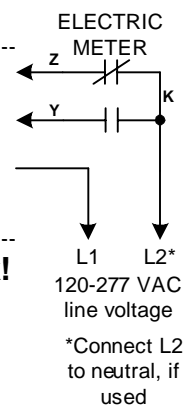


Z2 →
Y2 → **OUTPUT #2**
K2 ←

Z1 →
Y1 → **OUTPUT #1**
K1 ←

Zin →
Yin → **INPUT**
Kin ←
GND ←

CAUTION - Risk of electric shock!
All circuitry on the input side of the RPR-2LS is at line voltage potential.



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.



SOLID STATE INSTRUMENTS

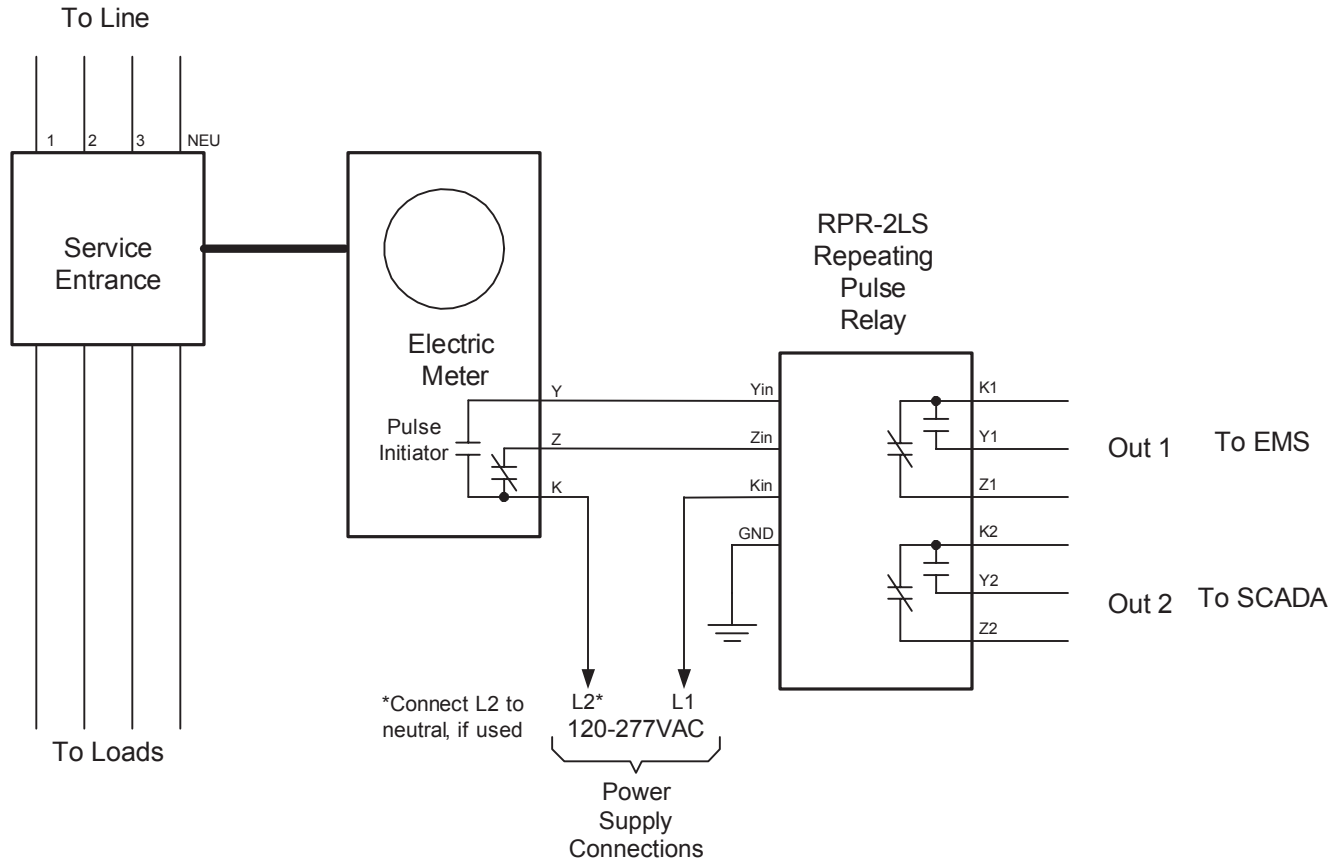
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RPR-2LS B-Series Wiring Diagram



RPR-2LS Pulse Isolation Relay Wiring Diagram		REVISIONS			
		NO.	DATE	DESCRIPTION	
DATE ORIGINAL 08/25/11		SCALE N/A	1	8-13	B Series Update
LATEST REVISION		JOB NO.	CHECKED	DRAWN WHB	

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