

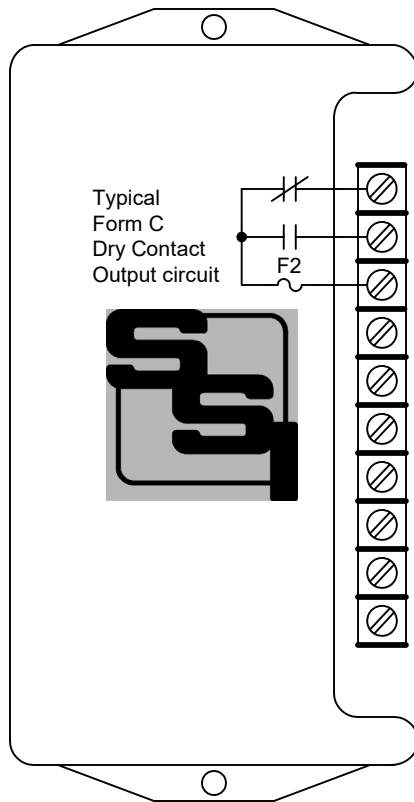
# RPR-2LS

B Series

*Elite Solid State*

## PULSE ISOLATION RELAY INSTRUCTION SHEET

120 VAC ONLY

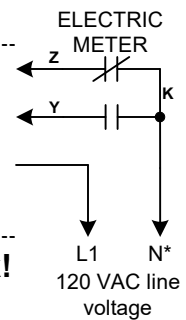


Z2 →  
Y2 → **OUTPUT #2**  
K2 ←

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.



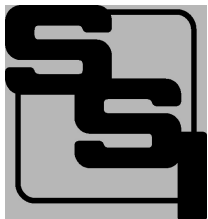
\*Connect L2 to neutral

**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 150 volts. Connect the L1 voltage of the AC line ("HOT") to the RPR-2LS' (relay) **Kin** terminal. Connect Neutral (or Ground if neutral is not available at the meter) to the K terminal on the pulse initiator of the meter. 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

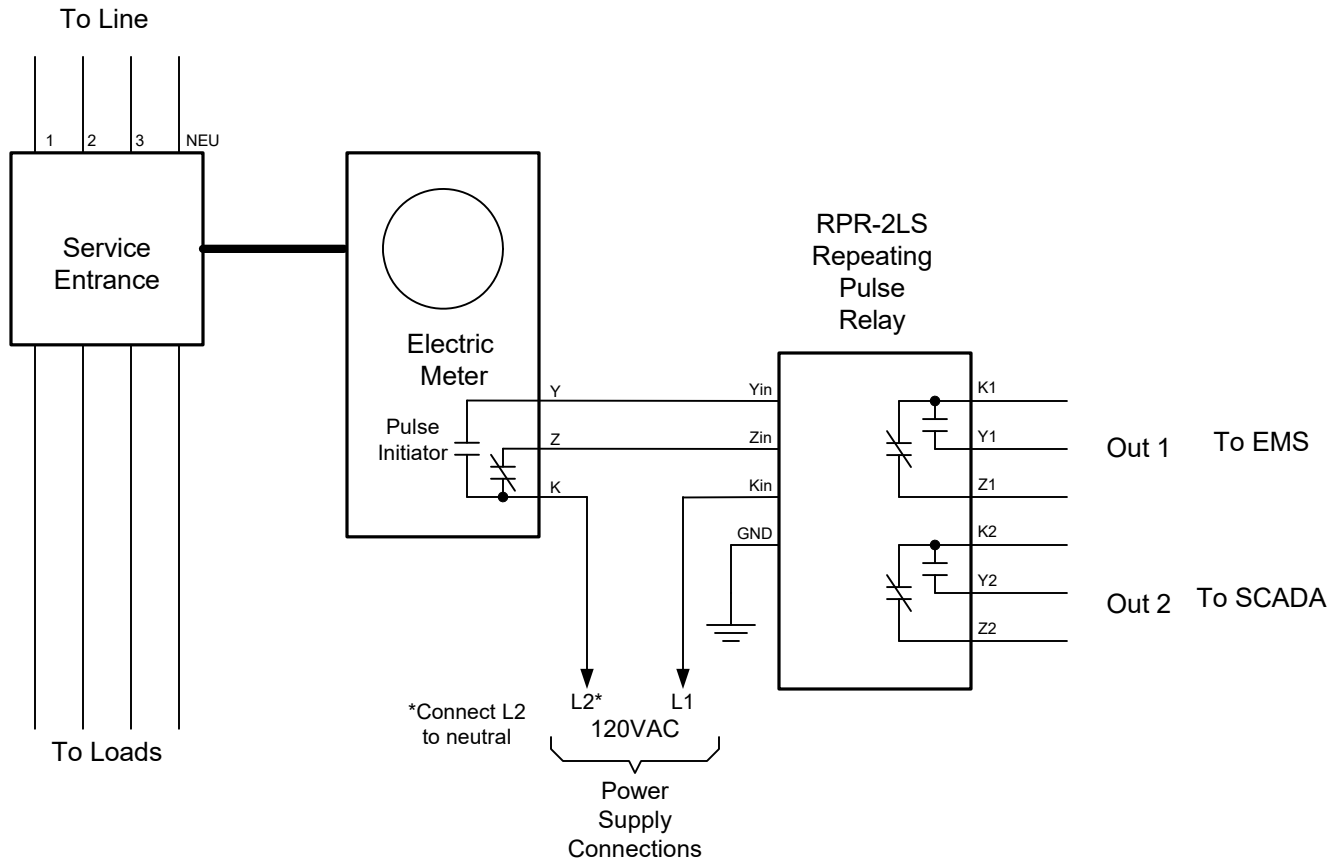
by Radian Research, Inc

3852 Fortune Dr, Lafayette, IN 47905

Phone: (765) 449-5576

Mail: [technicalsupport@radianresearch.com](mailto:technicalsupport@radianresearch.com)

## RPR-2LS B-Series Wiring Diagram



RPR-2LS B-Series Repeating Pulse Relay Wiring Diagram		REVISIONS		
		NO.	DATE	DESCRIPTION
DATE ORIGINAL	SCALE			
01/01/2025	N/A			
LATEST REVISION	JOB NO.	CHECKED	DRAWN	
			WHB	

**Solid State Instruments  
by Radian Research Inc**

3852 Fortune Dr  
Lafayette, IN 47905  
(765) 449-5576  
technicalsupport@radianresearch.com  
www.solidstateinstruments.com