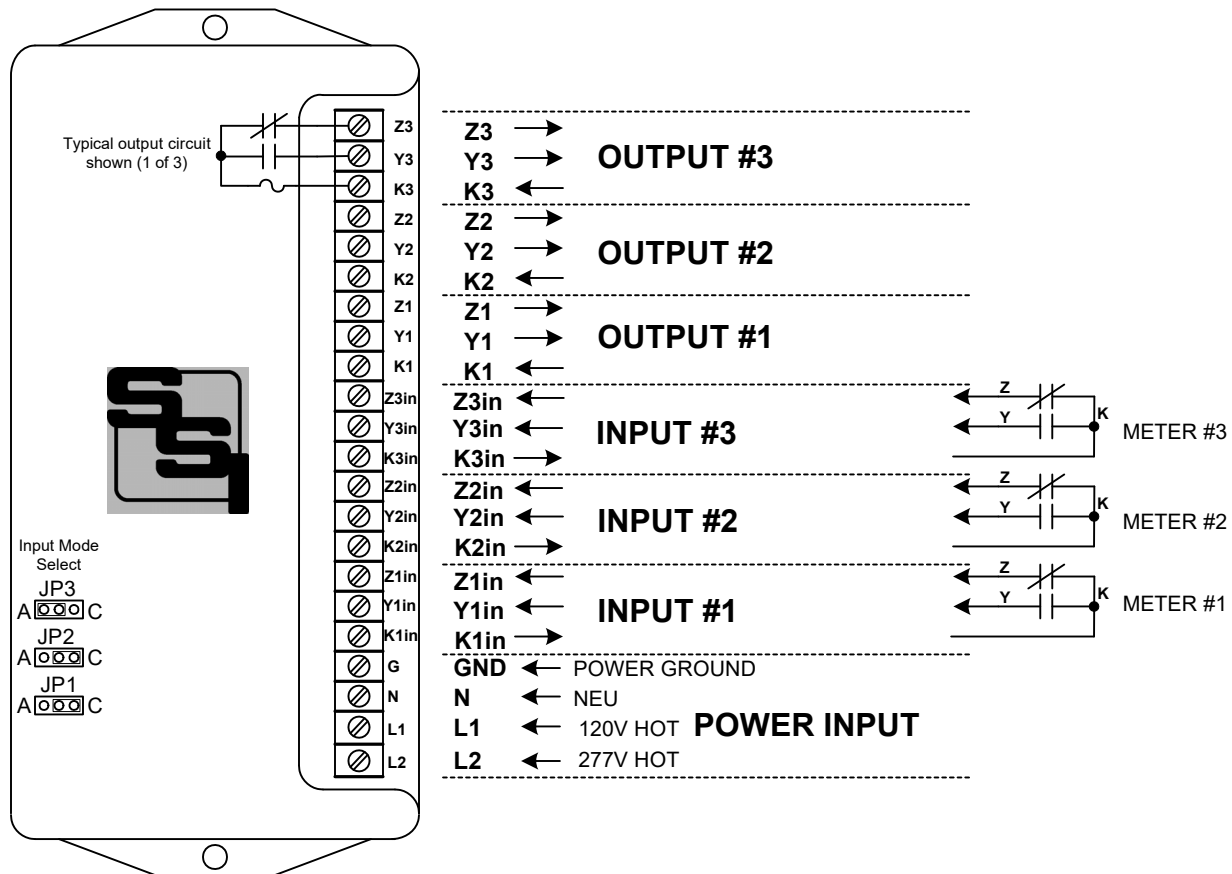


RPR-33PS

B-Series

Elite Solid State

3-Channel PULSE ISOLATION RELAY INSTRUCTION SHEET



MOUNTING POSITION - The RPR-33PS may be mounted in any position.

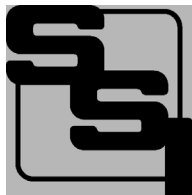
POWER INPUT - The RPR-33PS is powered by an AC voltage of between 90 and 300 volts. For 120VAC, connect the "hot" lead to the **L1** terminal. For 208 to 277VAC, connect the "hot" lead to the **L2** terminal. Use EITHER L1 or L2 but do not use both. Connect the "neutral" lead to the **N** terminal. Connect the **G** terminal to power system Ground (GND). If no true Neutral exists at the meter, connect both the N and G terminals to power system ground.

INPUT MODE SELECTION - The RPR-33PS's inputs may be used in either the Form A (2-Wire) or the Form C (3-Wire) mode. Select the desired input mode on Jumpers JP1, JP2 and JP3 that correspond to inputs 1, 2 and 3, respectively. Form A uses two wires on K and Y, while Form C must use all three wires.

INPUT CONNECTIONS - Connect the K terminal of each meter which is supplying pulses to the RPR-33PS to the RPR-33PS's **K1in**, **K2in** and **K3in** terminals. Connect each meter's Y and Z output terminals to the respective meter's **Yin** and **Zin** input terminals of the RPR-33PS. All three wires must be used for a Form C, 3-Wire input. Connect the Kin and Yin input terminals for a Form A, 2-Wire input.

OUTPUTS - Three 3-wire (Form C) isolated dry-contact outputs are provided on the RPR-33PS, with output terminals K1, Y1 & Z1; K2, Y2, & Z2; and K3, Y3 & Z3. Transient suppression for the contacts of the solid state relays is provided internally by metal oxide varistors (MOV).

FUSES - The fuses are type 3AG and may be up to 1/2 Amp in size. Three 1/2 Amp fuses (F1-F3) are supplied standard with the unit unless otherwise specified.



SOLID STATE INSTRUMENTS

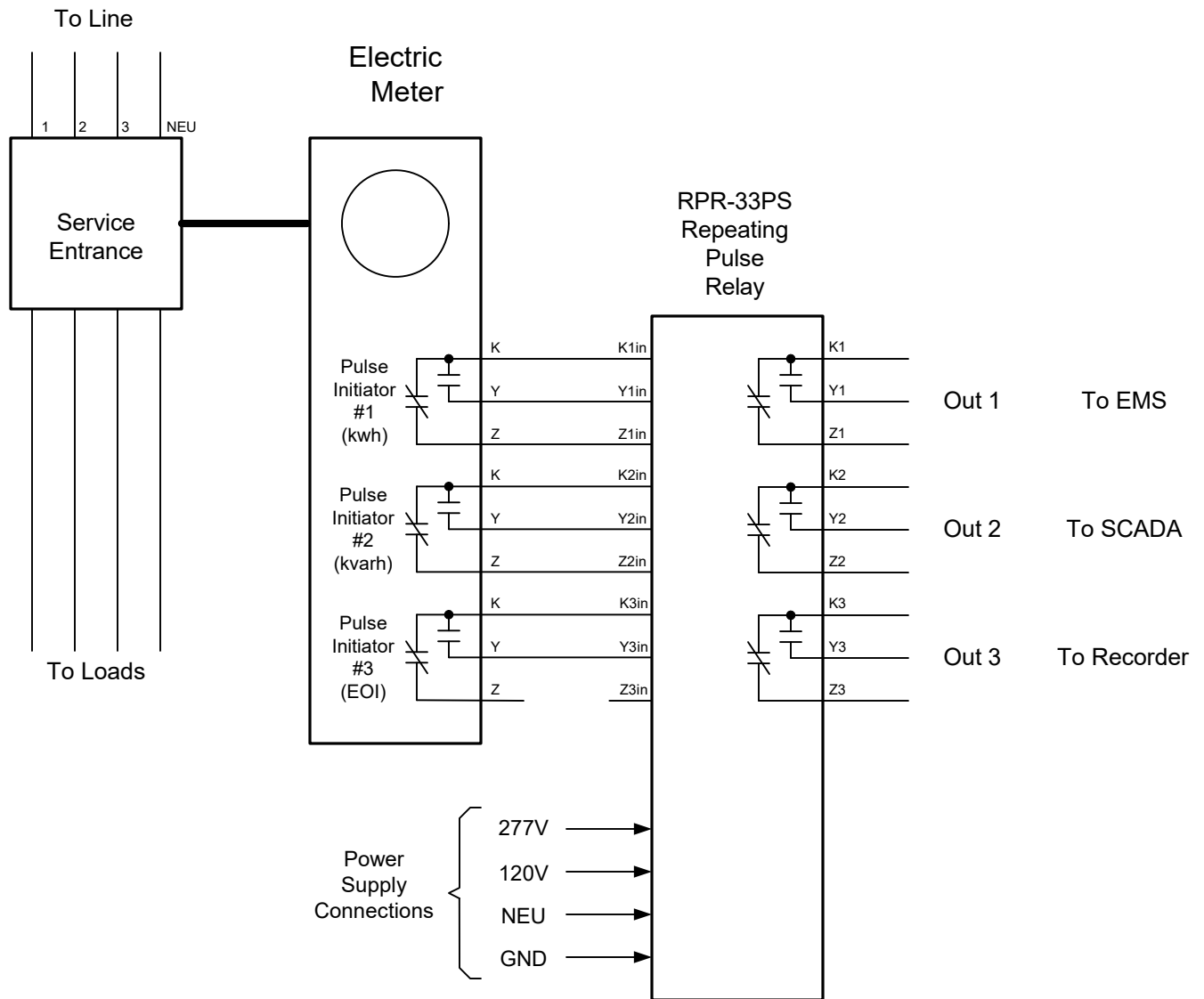
by Radian Research, Inc

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Phone: (765) 449-5576

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RPR-33PS Wiring Diagram (Typical Application)



RPR-33PS Repeating Pulse Relay Wiring Diagram		REVISIONS		Solid State Instruments by Radian Research Inc 3852 Fortune Dr Lafayette, IN 47905 (765) 449-5576 technicalsupport@radianresearch.com www.solidstateinstruments.com
		NO.	DATE	
DATE ORIGINAL	SCALE			
01/01/2025	N/A			
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