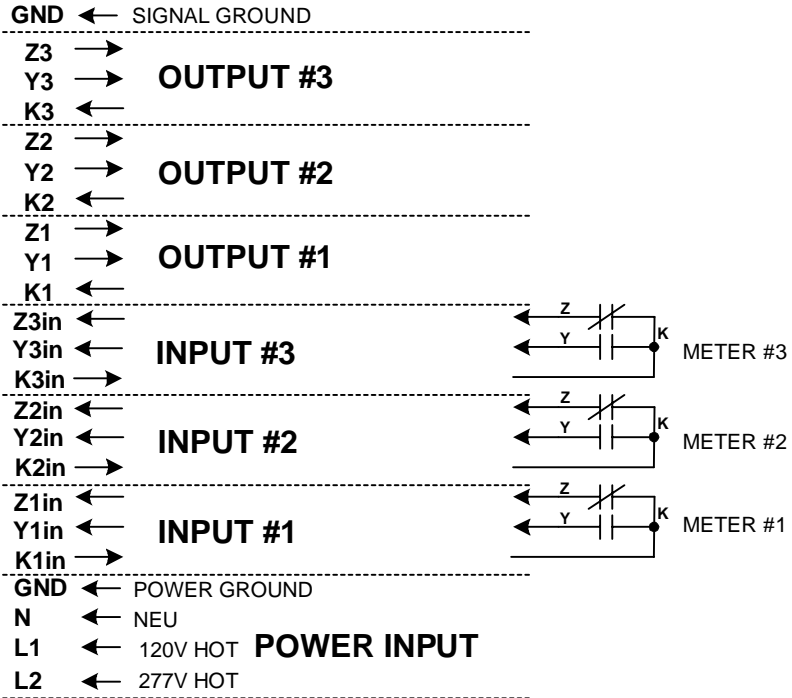
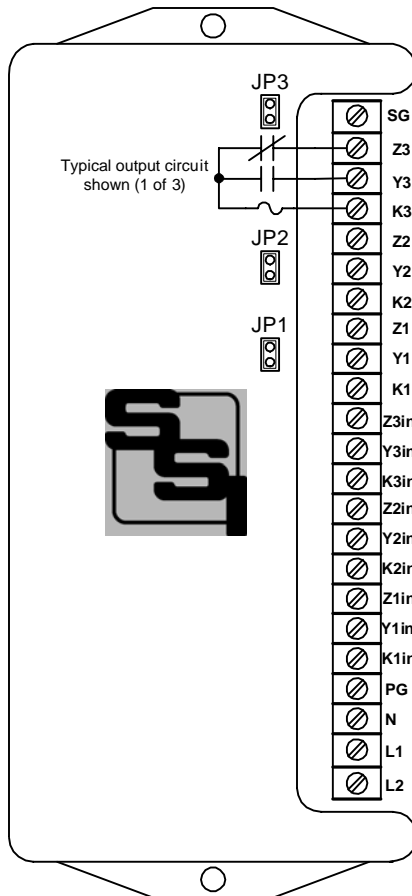


RPR-33PS

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 208 to 277VAC, connect the AC line's "hot" lead to the **L2** terminal. For 120VAC, connect the "hot" lead to the **L1** terminal. Connect the "neutral" lead to the **N** terminal. Connect the **PG** terminal to power system Ground (GND).

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 the each meter's Y and Z terminals to the respective meter's **Yin** and **Zin** input terminals of the RPR-33PS. Three wires are used for a Form C, 3-wire input. Connect the K and Y lead or the K and Z lead for a Form A, two-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. Arc 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.

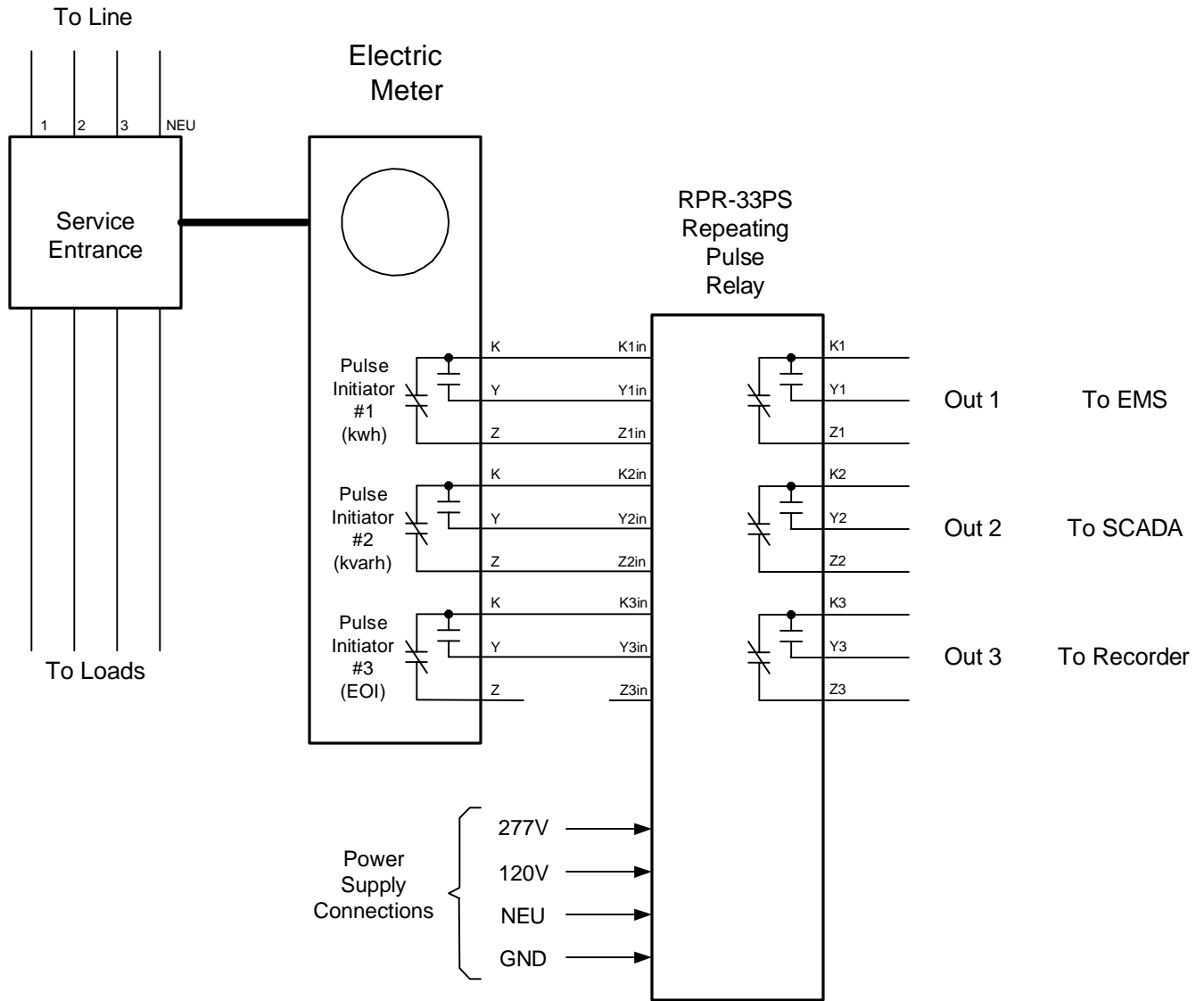
WETTED OUTPUT OPTION - The RPR-33PS's outputs may be used with the auxillary internal DC power supply. This power supply can "wet" the contacts' "K" terminals by using Jumpers JP1 through JP3. Each jumper connects the +15Volt DC supply to the relay of the same number. A separate Signal Ground (SG) is provided for the destination instrumentation's common ground. In this way, an external power supply is eliminated.



SOLID STATE INSTRUMENTS

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RPR-33PS Wiring Diagram (Typical Application)



RPR-33PS Repeating Pulse Relay Wiring Diagram		REVISIONS	
		NO.	DATE
DATE ORIGINAL 5/12/09		SCALE N/A	
LATEST REVISION		DRAWN WHB	

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