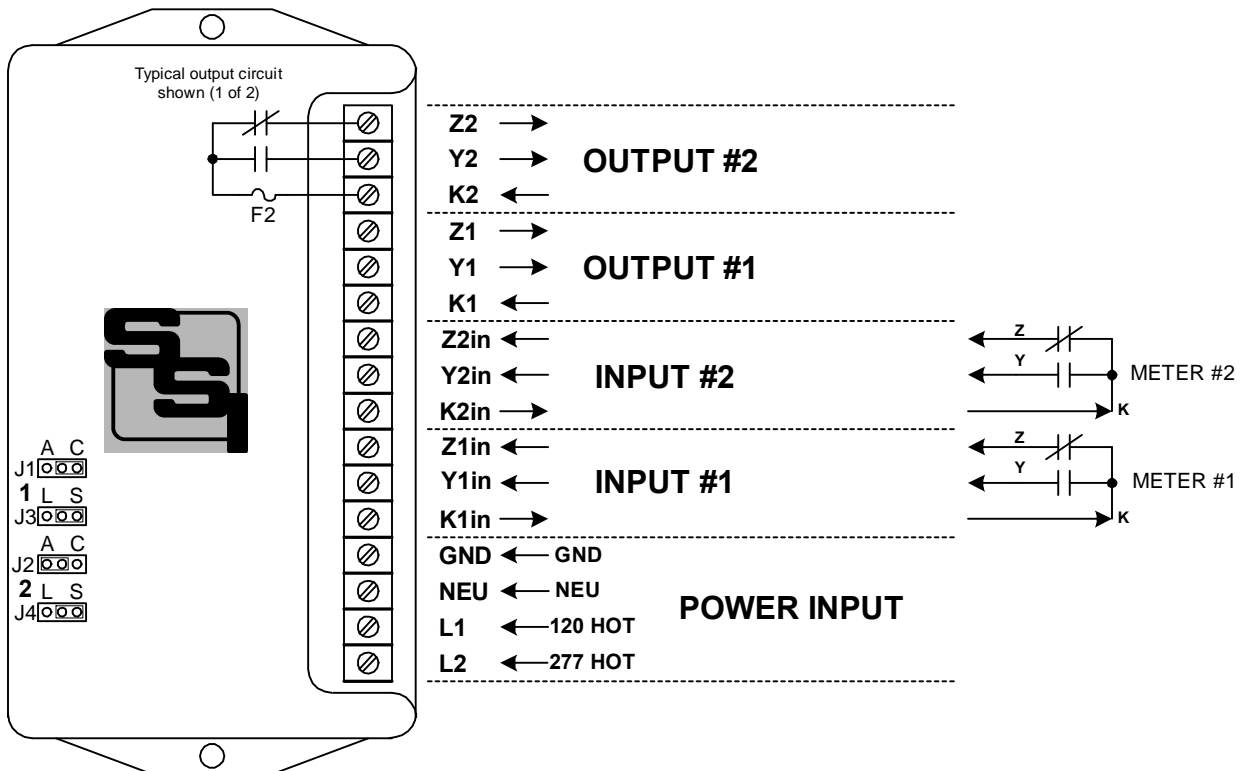


# RPR-22PS

*Elite Solid State*

# PULSE ISOLATION RELAY INSTRUCTION SHEET



**MOUNTING POSITION** - The RPR-22PS may be mounted in any position.

**POWER INPUT** - For a power supply of 120VAC, connect the AC line's "hot" wire to the **L1** terminal. For 208 thru 277VAC, connect the AC line's "hot" wire to the **L2** terminal. The AC line's "neutral" wire should be connected to the **N** terminal. Connect the **G** terminal to the electrical system ground.

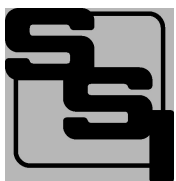
**INPUT CONNECTIONS** - Connect the K terminal of each meter which is supplying pulses to the RPR-22PS to the RPR-22PS' **K1in** and **K2in** terminals. Connect each meter's Y and Z terminals to the respective meter's **Yin** and **Zin** input terminals of the RPR-22PS.

**INPUT TYPE SELECTION** - The RPR-22PS' inputs may be configured as either 2-Wire (Form A) or 3-Wire (Form C). Selector Jumper J1 selects the input configuration for INPUT #1. Selector Jumper J2 sets the input configuration for INPUT #2. Place the Jumper Plug in the correct position for the input type desired: Left-to-center pins for Form A (2-Wire), or right-to-center pins for Form C (3-Wire). Inputs are marked "A" and "C" above the pins.

**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-22PS, with output terminals K1, Y1 & Z1 and K2, Y2, & Z2. Arc suppression for the contacts of the solid-state relays is provided internally. Each relay channel's input and output are independent and isolated from the other. Inputs may be paralleled if a "splitting" or duplicating relay function is desired.

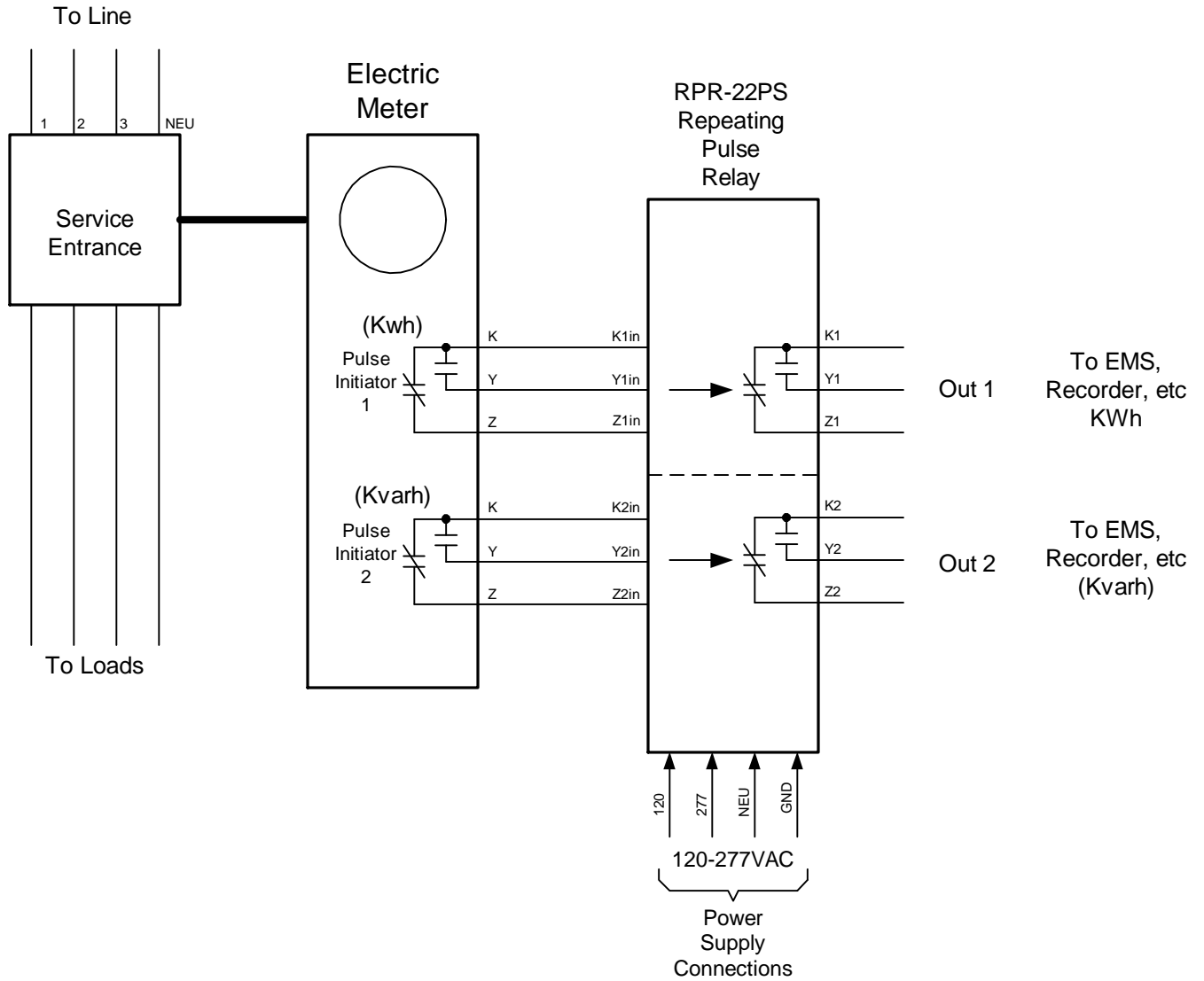
**OUTPUT TIMING** - Outputs can be configured as "Long" or "Short" duration. In the Long (L) mode, the output duration is the same as the input pulse length creating a "mirror image" output pulse. In the short (S) mode the output is fixed at approximately 100mS in length. This mode is generally used for Form A end-of-interval (EOI) pulses. Connect left-to-center pins for Long(L), or right-to-center pins for Short(S).



## SOLID STATE INSTRUMENTS

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# RPR-22PS Wiring Diagram



## RPR-22PS Repeating Pulse Relay Wiring Diagram

### REVISIONS

NO.	DATE	DESCRIPTION

DATE ORIGINAL  
10/01/08

SCALE  
N/A

LATEST REVISION

JOB NO.

CHECKED

DRAWN

WHB

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