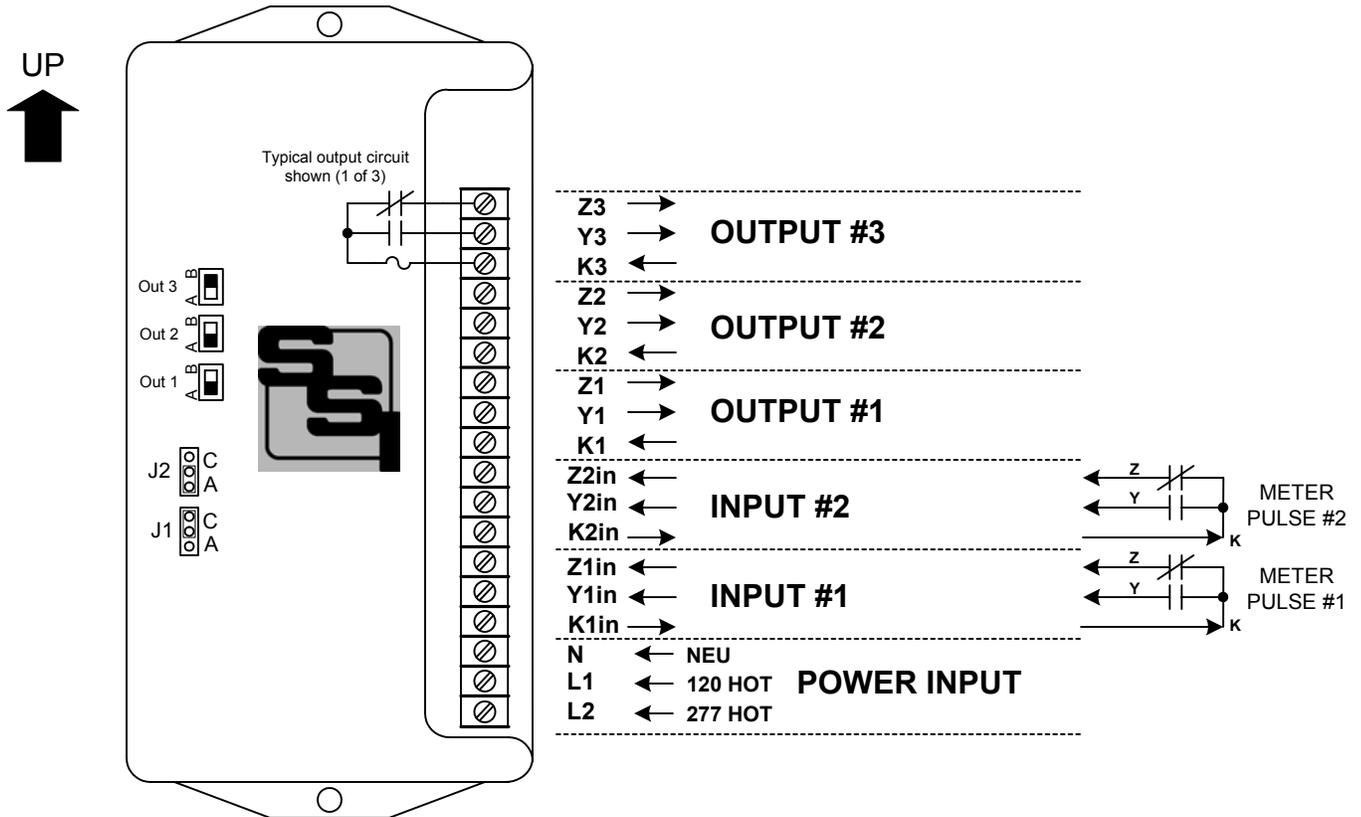


# INSTRUCTION SHEET

## RPR-23S PULSE ISOLATION RELAY



**MOUNTING POSITION** - Because the RPR-23S contains mercury-wetted relays, it must be mounted in a vertical position (as shown) to operate correctly. Note "UP" arrow above.

**POWER INPUT** - The RPR-23S is powered by an AC voltage of between 90 and 300 volts. For 208 thru 277 VAC, connect the AC line's "hot" wire to the **L2** terminal. For 120VAC, connect the AC line's "hot" wire to the **L1** terminal. The AC line's "neutral" wire should be connected to the **N** terminal.

**INPUT CONNECTIONS** - Connect the **K** terminal of each meter which is supplying pulses to the RPR-23S to the RPR-23S' **K1in** and **K2in** terminals. Connect the each meter's **Y** and **Z** terminals to the respective meter's **Yin** and **Zin** input terminals of the RPR-23S. For a 2-Wire Form A input, connect the meter's **Y** terminal only.

**INPUT TYPE SELECTION** - The RPR-23S' inputs may be configured as either 2-Wire (Form A) or 3-Wire (Form C). Selector Jumper J1 selects the configuration for INPUT #1. Selector Jumper J2 sets the configuration for INPUT #2. Place the Jumper Plug in the correct position for the input type desired: Bottom-to-middle pin for Form A, or middle-to-top pin for Form C.

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

**OUTPUTS** - Three 3-wire isolated outputs are provided on the RPR-23S, with output terminals **K1, Y1 & Z1; K2, Y2, & Z2; and K3, Y3 & Z3**. Arc suppression for the contacts of the mercury-wetted relays is provided internally. Each relay must be assigned to operate from one of the two input channels. Using the selector switch for each relay select "A" for INPUT #1 or "B" for INPUT #2. The output will follow the input selected.



## SOLID STATE INSTRUMENTS

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