MOUNTING POSITION - The RPR-24PS 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-24PS to the RPR-24PS’ 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-24PS.

INPUT TYPE SELECTION - The RPR-24PS’ 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 (2-Wire), or middle-to-top pin for Form C (3-Wire).

FUSES - The fuses are type 3AG and may be up to 1/2 Amp in size. Four 1/2 Amp fuses (F1-F4) are supplied standard with the unit unless otherwise specified.

OUTPUTS - Four three-wire isolated outputs are provided on the RPR-24PS, with output terminals K1, Y1 & Z1; K2, Y2, & Z2; K3, Y3 & Z3; and K4, Y4 & Z4. Arc suppression for the contacts of the solid-state relays are provided internally. Each relay is assigned to 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.

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**RPR-24PS Wiring Diagram**

- **Service Entrance**
  - To Line
  - 1 2 3 NEU
  - To Loads

- **Electric Meter**
  - (Kwh)
  - Pulse Initiator 1
  - K Y Z
  - K1 in Y1 in Z1 in

- **RPR-24PS Repeating Pulse Relay**
  - Input 1 (A)
    - A S1 B
    - K1 Y1 Z1
  - Input 2 (B)
    - A S2 B
    - K2 Y2 Z2
    - A S3 B
    - K3 Y3 Z3
    - A S4 B
    - K4 Y4 Z4

- **Outputs**
  - Out 1 To EMS (KWh)
  - Out 2 To SCADA (KWh)
  - Out 3 To EMS (Kvarh)
  - Out 4 To SCADA (Kvarh)

- **Power Supply Connections**
  - 120-277VAC

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