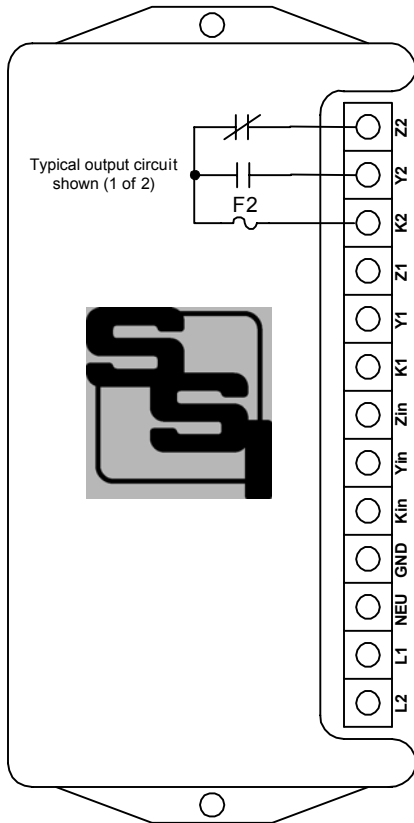


# RPR-2PS

B Series

*Elite Solid State*

## PULSE ISOLATION RELAY INSTRUCTION SHEET



Z2 →

Y2 → **OUTPUT #2**

K2 ←

Z1 →

Y1 → **OUTPUT #1**

K1 ←

Zin →

Yin → **INPUT FROM METER**  
+13VDC sourced to meter

Kin ←

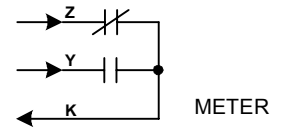
GND ← GND

NEU ← NEUTRAL

**POWER SUPPLY  
INPUT**

L1 ← 120V HOT

L2 ← 277V HOT



**MOUNTING POSITION** - The RPR-2PS B-Series can be mounted in any position.

**POWER INPUT** - The RPR-2PS can be powered by an AC voltage of between 90 and 300 volts. For **120VAC power**, connect the "hot" lead to the L1 terminal. Connect the neutral lead to the NEU terminal. Connect the GND terminal to electrical system ground. Leave the L2 terminal unconnected. **For 277VAC**, connect the "hot" lead to the L2 terminal. Connect the neutral lead to the NEU terminal. Connect the GND terminal to electrical system ground. Leave the L1 terminal unconnected.

**METER CONNECTIONS** - The RPR-2PS' "Kin", "Yin" and "Zin" input terminals should be connected to the meter's "K", "Y" and "Z" terminals: "Kin" to "K", "Yin" to "Y", and "Zin" to "Z". The RPR-2PS' "Kin" terminal is the common return and system ground. The "Yin" and "Zin" terminals are pulled-up to +13VDC, which provides the wetting voltage to the pulse initiator.

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

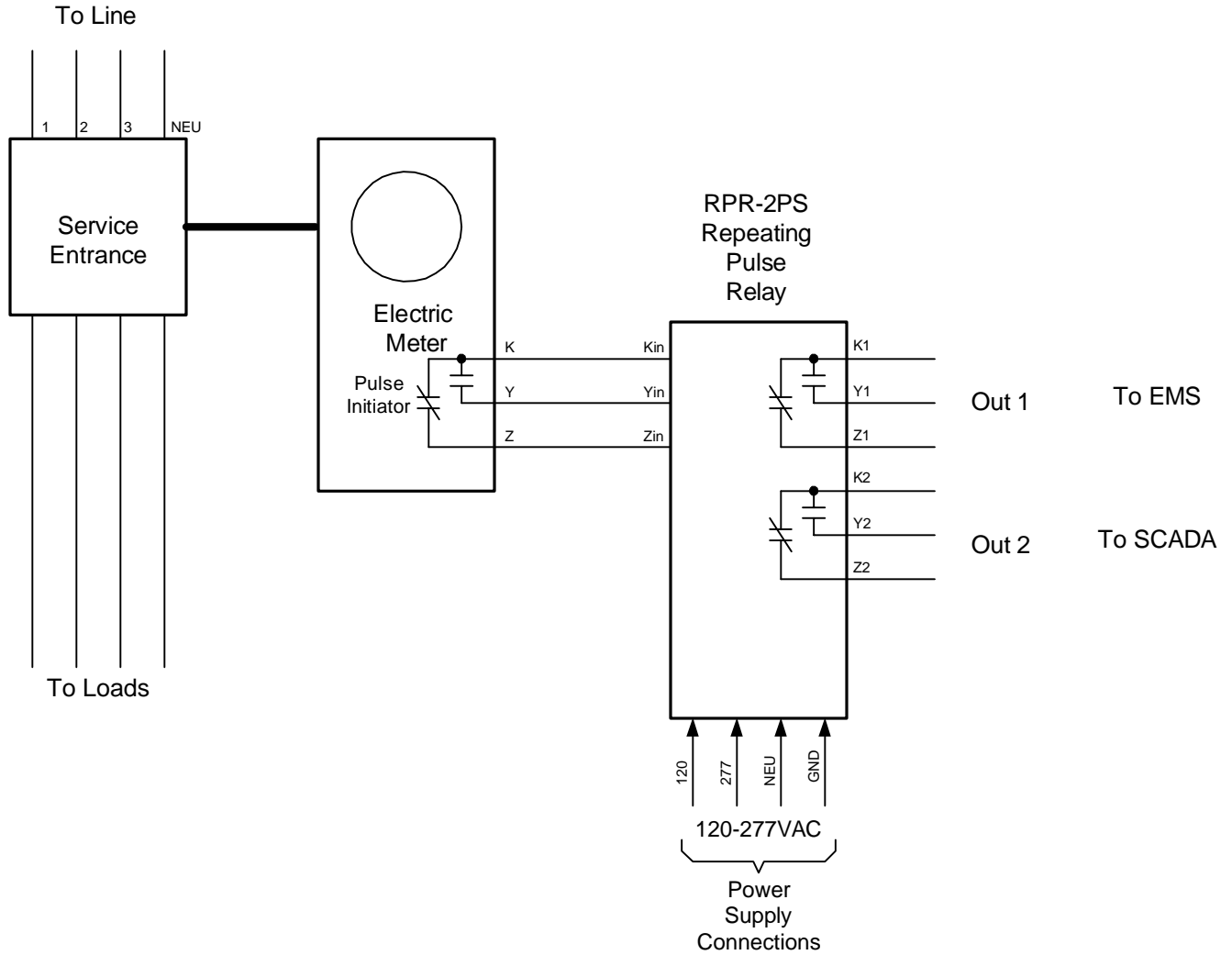
**OUTPUTS** - Two solid state three-wire isolated outputs are provided on the RPR-2PS. Transient voltage suppression for the solid state switching devices is provided internally.



## SOLID STATE INSTRUMENTS

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# RPR-2PS B-Series Wiring Diagram



|  |         |                  |       |
|--|---------|------------------|-------|
| <p>RPR-2PS B-Series Repeating Pulse Relay Wiring Diagram</p> |         | <p>REVISIONS</p> |       |
|  |         | NO.              | DATE  |
| DATE ORIGINAL  | SCALE   |                  |       |
| 05/14/2013   | N/A     |                  |       |
| LATEST REVISION  | JOB NO. | CHECKED          | DRAWN |
|  |         |                  | WHB   |

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