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.
RPR-2PS B-Series Wiring Diagram

To Line

Service Entrance

To Loads

Electric Meter

Pulse Initiator

K1, Z1, Y1

To EMS

120-277VAC

Power Supply Connections

120 277 NEU GND

Out 1

Out 2

To SCADA

RPR-2PS Repeating Pulse Relay

K2, Z2, Y2

Brayden Automation Corp./Solid State Instruments div.
6230 Aviation Circle
Loveland, CO 80538
(970)461-9600
(970)461-9205 fax
www.solidstateinstruments.com