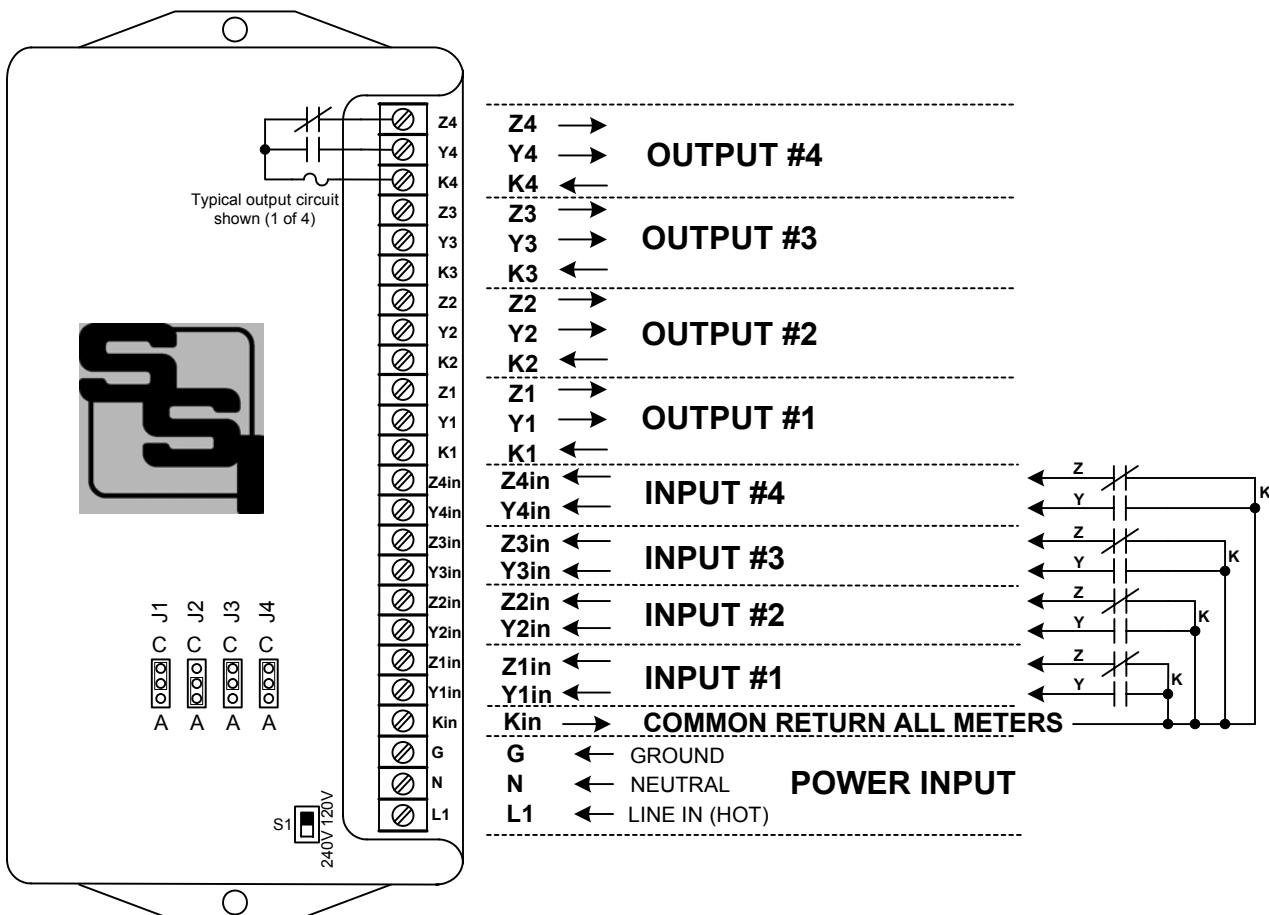


# INSTRUCTION SHEET

## SPR-44 PULSE ISOLATION RELAY



**MOUNTING POSITION** - The SPR-44 may be mounted in any position since it uses solid state relays.

**POWER INPUT** - The SPR-44 is powered by an AC voltage of between 90 and 300 volts. Connect the power supply's "HOT" lead to terminal **L1**. Connect the AC line's "neutral" wire to the **N** terminal. Connect electrical system ground to the **G** terminal. For use with 120VAC line, put switch **S1** in the **UP** position. For use on 208 thru 277VAC, put switch **S1** in the **DOWN** position.

**PULSE INPUTS** - Connect the K terminal of each meter supplying pulses to the SPR-44's Kin terminal. Form C Input: Connect the Yin and Zin input terminals to the Y and Z terminals of the respective meters. Form A Input: Connect the Yin input terminal to the Y terminal of the respective meter.

**INPUT TYPE SELECTION** - The SPR-44's 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, Etc. Place the Jumper between the bottom and middle pin for a Form A input or between the top and middle pin for a Form C input. Inputs may be paralleled to create multiple outputs.

**FUSES** - The fuses are type 3AG and may be up to 1/10th Amp in size. Four 1/10 Amp fuses (F1-F4) are supplied standard with the unit unless otherwise specified.

**OUTPUTS** - Four three-wire isolated outputs are provided on the SPR-44, with output terminals K1, Y1 & Z1; K2, Y2, & Z2; K3, Y3 & Z3; and K4, Y4 & Z4. Outputs are rated at 250VAC/VDC @ .1 Amp. Arc suppression for the contacts of the solid state relays are provided internally. Each relay output follows its respective input number.



## SOLID STATE INSTRUMENTS

a division of Brayden Automation Corp.

6230 Aviation Circle, Loveland, Colorado 80538

Phone: (970)461-9600 Fax: (970)461-9605

E-mail: support@solidstateinstruments.com