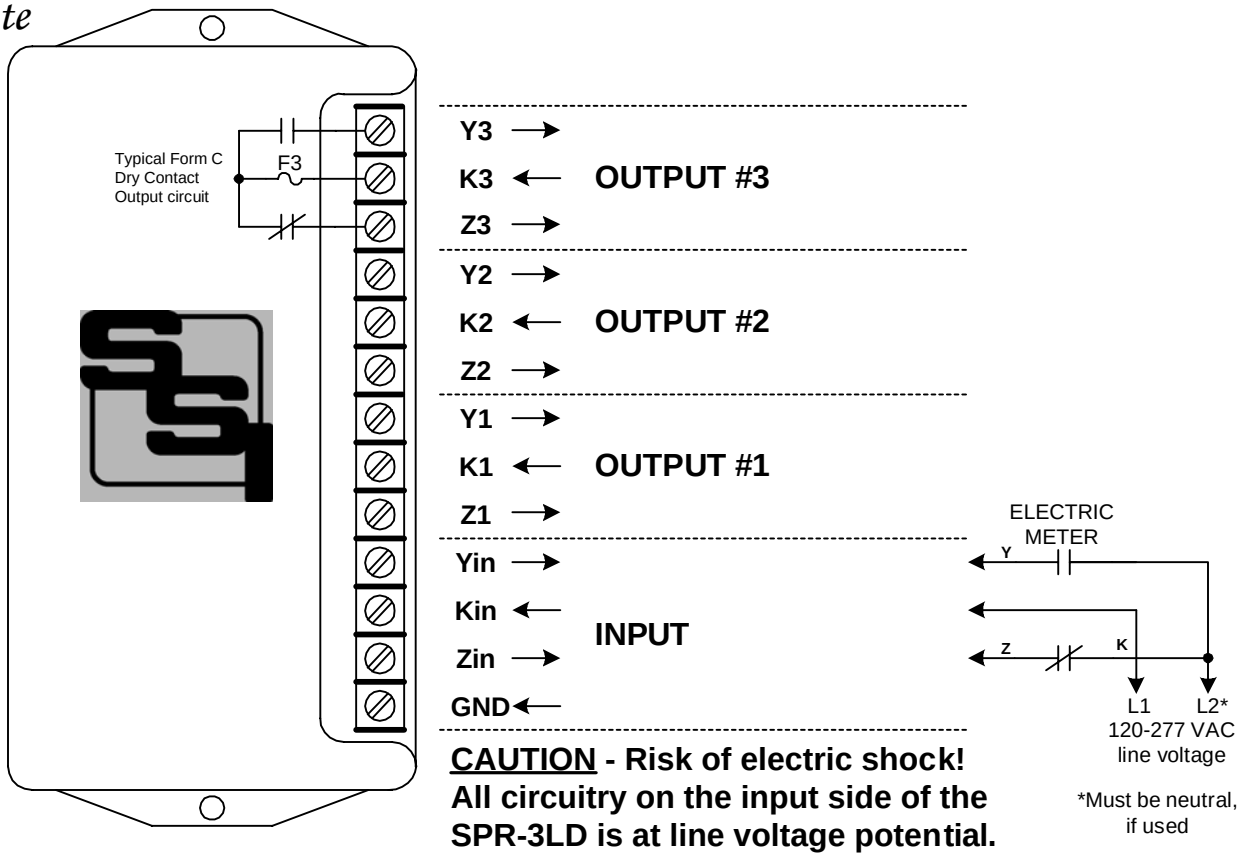
SPR-3LD PULSE ISOLATION RELAY INSTRUCTION SHEET

Standard Solid State



CAUTION - Risk of electric shock! All circuitry on the input side of the SPR-3LD is at line voltage potential.

MOUNTING POSITION - The SPR-3LD can be mounted in any position.

INPUT - The SPR-3LD is powered by an AC line voltage of between 90 and 300 volts. Connect the "hot" L1 voltage of the AC line to the SPR-3LD's (relay) **Kin** terminal. Connect the L2 voltage of the AC line to the K terminal on the pulse initiator of the meter. If Neutral is used, it must be connected to the meter's K terminal. The SPR-3LD will not operate without all three wires between it, the power supply and the meter as shown on Page 2. Connect the SPR-3LD's **GND** terminal to the electrical system ground. The SPR-3LD' power supply is auto-ranging and does not require any configuration for any voltage in the operating range. No other power supply is required to use the SPR-3LD relay. The meter's KYZ pulse initiator must be rated for the line voltage used.

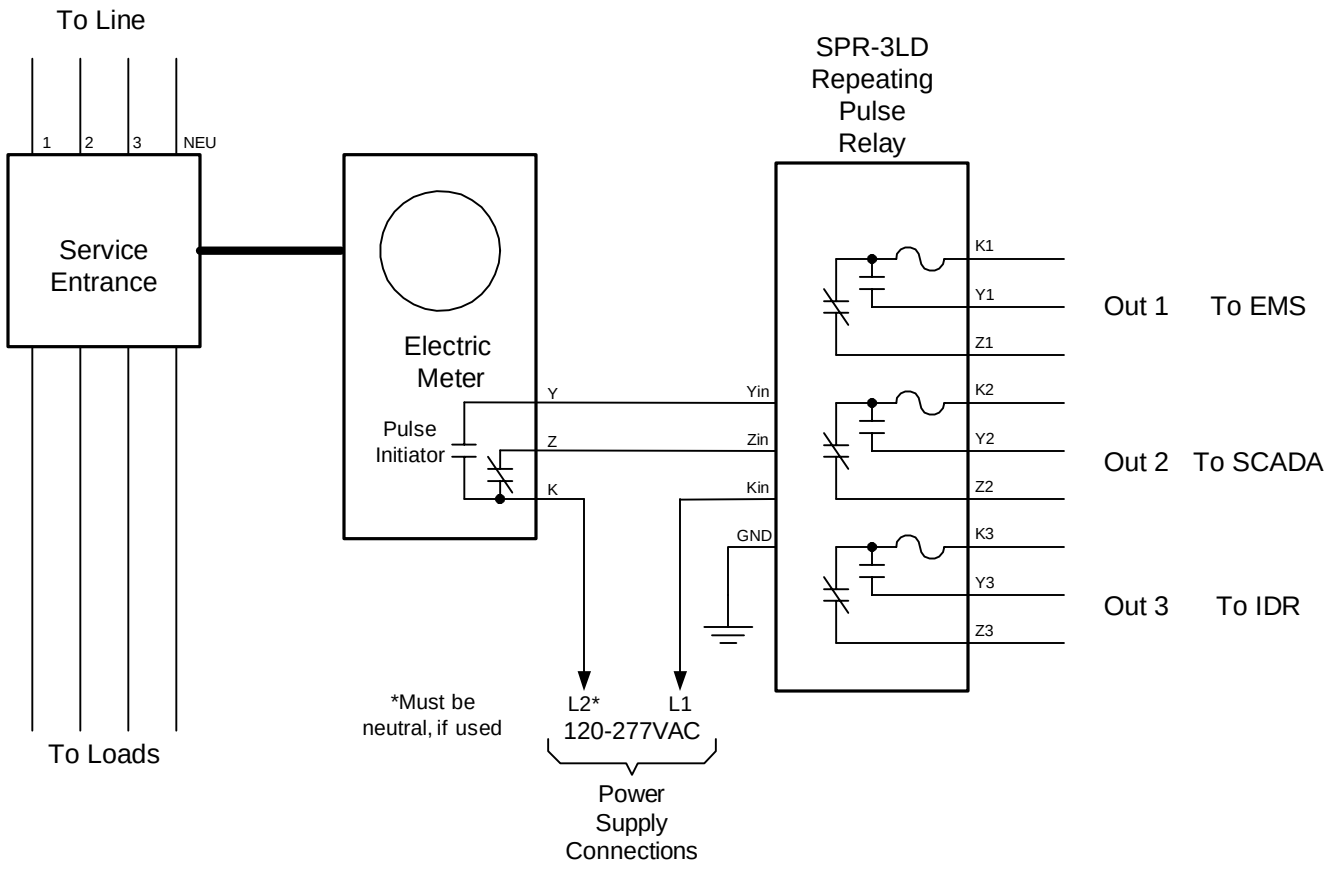
FUSES - The fuses are type 3AG and may be up to 1/10 Amp in size. Three 1/10 Amp fuses (F1,F2 & F3) are supplied standard with the unit unless otherwise specified. One 1/2A fuse (F4) is located in the Kin input line to protect the SPR-3LS relay in the event of a short circuit in the input circuit.

OUTPUTS - Three 3-wire isolated outputs are provided on the SPR-3LD, with output terminals K1, Y1 & Z1; K2, Y2, & Z2; and K3, Y3, & Z3. Typical output circuit shown above. Arc suppression for the contacts of the solid-state relays is provided internally.

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

Revision: 8/8/2010 P/N: 05103-97706B

SPR-3LD Wiring Diagram



SPR-3LD Repeating Pulse Relay Wiring Diagram		REVISIONS		
		NO.	DATE	DESCRIPTION
DATE ORIGINAL 8/8/2010	SCALE N/A			
LATEST REVISION	JOB NO.	CHECKED	DRAWN WHB	

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