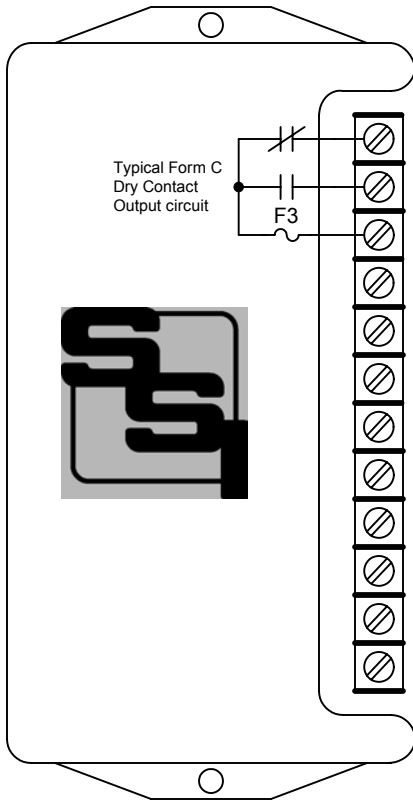


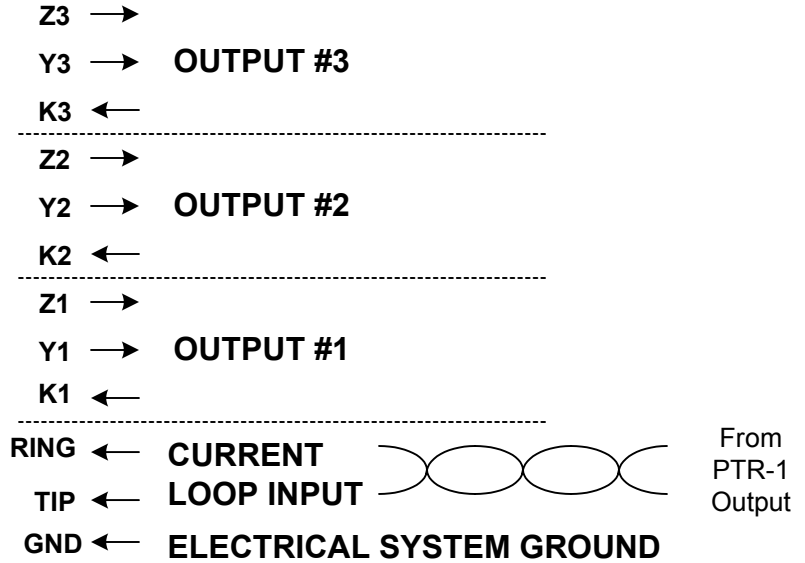
CLR-3

CURRENT LOOP RELAY INSTRUCTION SHEET

S2 Standard Plus



NOTE - The CLR-3-S2 replaces the RPR-3-SP4.



MOUNTING POSITION - The CLR-3-S2 may be mounted in any position.

INPUT - The CLR-3-S2 is powered by a +/-24VDC (max) current loop from a PTR-1-S2 Pulse Transmitting Relay. No other power supply to the CLR-2 is necessary. Connect the CLR-3-S2's "RING" terminal to the "RING" output terminal wire of the PTR-1-S2. Connect the "TIP" terminal to the "TIP" output terminal wire of the PTR-1-S2. The current loop will alternately switch the relay inputs on the CLR-3-S2 each time the Yin or Zin terminals are connected to the Kin terminal of the meter. A connection (closure) on the K-Y input of the PTR-1-S2 will result in a closure of the K-Y contacts on the CLR-3-S2's outputs. A K-Z closure will result in a closure of the K-Z contacts on the CLR-3-S2. MOV transient protection on the input is provided internally. Connect the GND terminal to electrical system ground.

FUSES - The fuses are type 3AG and may be up to 1/4 Amp in size. Three 1/4 Amp fuses (F1, F2 & F3) are supplied standard with the unit unless otherwise specified.

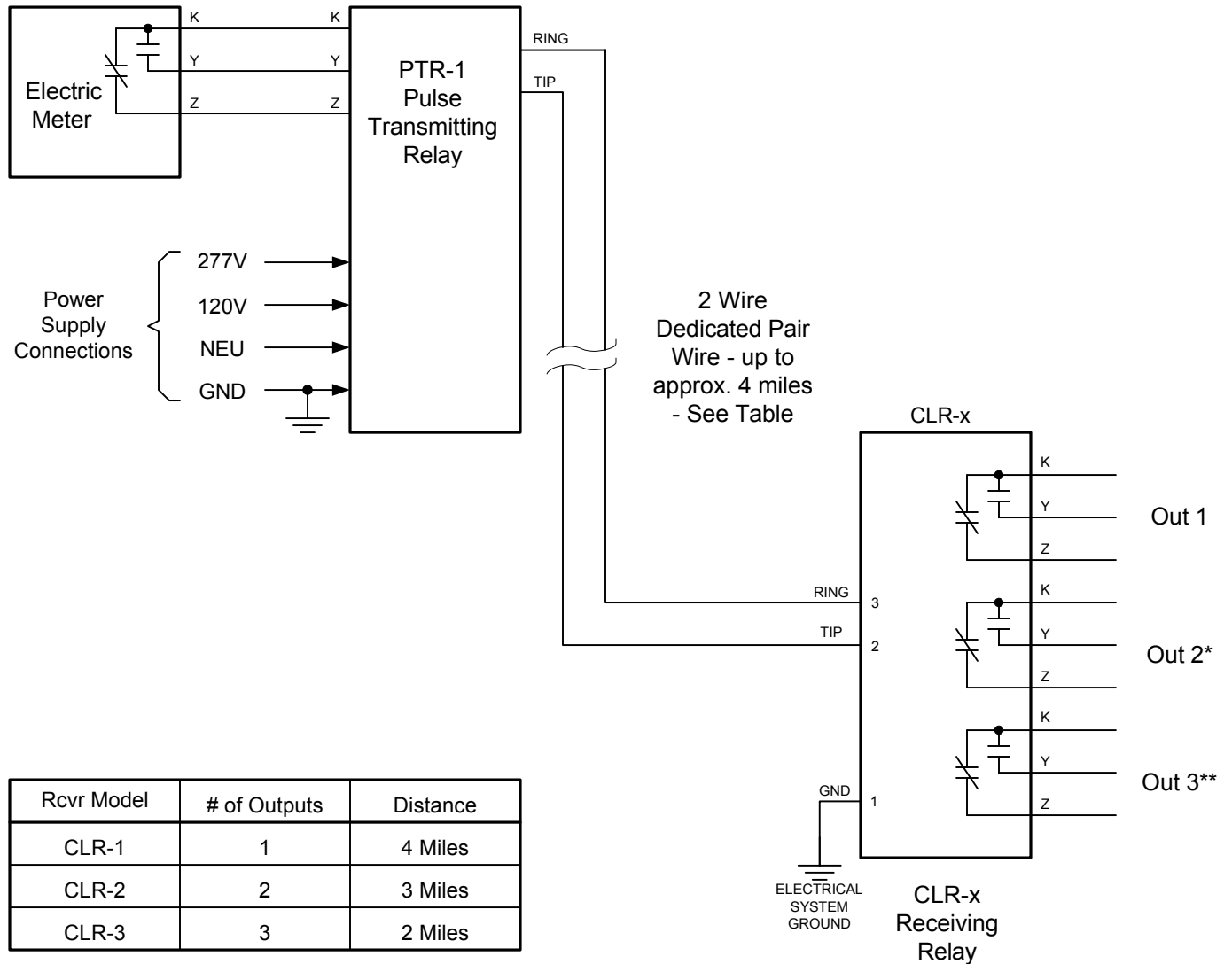
OUTPUTS - Three 3-wire isolated outputs are provided on the CLR-3-S2, with output terminals K1, Y1 & Z1; K2, Y2, & Z2; and K3, Y3 & Z3. MOV transient voltage suppression for the contacts of the solid-state relays is provided internally.



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

PTR-1 System Wiring Diagram



Operation: The PTR-1 contains a +/-15 to 25VDC current loop for long distance pulse transmission and uses a dedicated pair of wires. As the PTR-1's KYZ input alternates from one closure to another, the current loop polarity reverses causing all output relays to switch in the CLR-x Receiving Relay. Maximum distance of transmission decreases with the increased number of outputs on the receiving relay. Maximum distance will also increase as wire size increases.

* CLR-2 Only

** CLR-3 Only

PTR-1 toCLR-x-4WiringDiagram.vsd

PTR-1 Pulse Transmitting Relay Wiring Diagram		REVISIONS		
		NO.	DATE	DESCRIPTION
DATE ORIGINAL	SCALE			
4/15/07	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