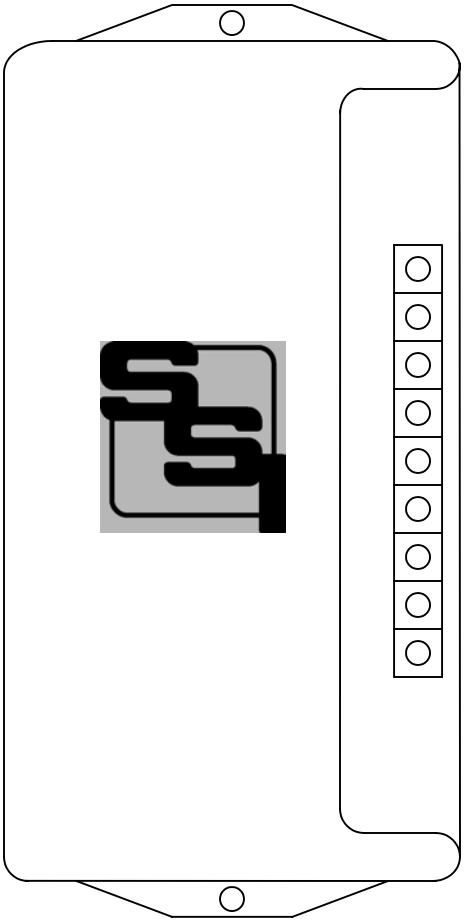
PTR-1 PULSE TRANSMITTING RELAY INSTRUCTION SHEET

S2 Standard Plus



			To CLR-x Receiving Relay
RNG →	OUTPUT TO RECEIVING RELAY		→ To Yin
TIP →	(GND)		→ To Kin
Z ←	INPUT FROM METER		Z, Y, K → METER
Y ←			
K →	+9VDC sourced to meter		
GND ←	GND		
NEU ←	NEU	POWER SUPPLY INPUT	
L1 ←	120V		
L2 ←	277V		

MOUNTING POSITION - The PTR-1-S2 may be mounted in any position.

POWER INPUT - The PTR-1-S2 can be powered by 120VAC or 208 to 277VAC. Connect the **GND** terminal to the electrical system ground. Connect the Neutral lead to the **NEU** terminal. Connect the **L1** terminal to the 120VAC "Hot" lead for 120VAC operation. Connect the **L2** terminal to the 208, 240, or 277 "Hot" lead.

METER CONNECTIONS - The PTR-1-S2's "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 PTR-1-S2's "K" terminal provides the +9VDC wetting voltage to the meter's "K" terminal.

OUTPUTS - Connect two dedicated wires to the TIP and RING output terminals provided on the PTR-1-S2. Transient suppression for the output provided internally. The output uses a switched polarity current loop of +/-25VDC (max) to switch a pulse receiving relay, up to four miles away using standard phone company wires or a dedicated pair of wires. Larger wire will increase the distance pulses can be transmitted.

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Revision: 11/01/2008 P/N: 04128-97006A