NOTE - The CLR-2PS replaces the RPR-2-SP4 and the CLR-2-S2.

MOUNTING POSITION - The CLR-2PS may be mounted in any position.

INPUT - The CLR-2PS is powered by a +/-24VDC (nominal) current loop from a PTR-1PS Pulse Transmitting Relay. No other power supply to the CLR-2PS is necessary. Connect the CLR-2PS' "RING" terminal to the "RING" output terminal wire of the PTR-1PS. Connect the "TIP" terminal to the "TIP" output terminal wire of the PTR-1PS. The current loop will alternately switch the inputs of the CLR-2PS 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-1PS results in a closure of the K-Y contacts on the CLR-2PS' outputs. A K-Z closure results in a closure of the K-Z contacts on the CLR-2PS. 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 1/2 Amp in size. Two 1/2 Amp fuses (F1 & F2) are supplied standard with the unit unless otherwise specified.

OUTPUTS - Two 3-wire isolated outputs are provided on the CLR-2PS, with output terminals K1, Y1 & Z1 and K2, Y2, & Z2. 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

Revision: 12/09/2011  P/N: 05022-97006B
Operation: The PTR-1PS contains a +/-15 to 36VDC current loop for long distance pulse transmission and uses a dedicated pair of wires. As the PTR-1PS' KYZ input alternates from one closure to the other, the current loop polarity reverses causing all output relays to switch in the CLR-xPS 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.

<table>
<thead>
<tr>
<th>Rcvr Model</th>
<th># of Outputs</th>
<th>Distance</th>
</tr>
</thead>
<tbody>
<tr>
<td>CLR-1PS</td>
<td>1</td>
<td>4 Miles</td>
</tr>
<tr>
<td>CLR-2PS</td>
<td>2</td>
<td>3 Miles</td>
</tr>
<tr>
<td>CLR-3PS</td>
<td>3</td>
<td>2 Miles</td>
</tr>
</tbody>
</table>

* CLR-2PS Only
** CLR-3PS Only