CUSTOMER INTERFACE RELAY
INSTRUCTION SHEET

- MOUNTING POSITION - The CIR-3PS may be mounted in any position.
- POWER INPUT - For a 120VAC, use the 120V terminal for the "hot" lead and the NEU terminal for the neutral power supply lead. For 208 to 277VAC, use the 277V terminal for the "hot" lead and the NEU terminal for the neutral power supply lead. The EGND terminal MUST be connected to the power supply ground.
- METER CONNECTIONS - Connect the K, Y, & Z leads from the meter to the K, Y, & Z terminals strip in the utility's compartment. K to K; Y to Y; and Z to Z. The CIR-3PS' "K" terminal provides the +13VDC wetting (sense) voltage to the meter's "K" terminals. The CIR-3PS' KYZ input is a 3-Wire only input. The CIR-3PS also has a 2-wire (form A) input for End-of-Interval pulses. Connect the 2-Wire EOI leads from the meter to T1 and T2 on the terminal strip in the utility compartment. T1 supplies +13VDC wetting (sense) voltage to the meter.
- CUSTOMER OUTPUT - The customer's output is at the bottom of the CIR-3PS board in the customer compartment. If the customer's output selector switch is in the 2W (2-wire) position, each change of input pulse state (K to Y or K to Z) will cause a single output pulse of 1/10 of a second (100 mS) to occur between the output terminals K &Y. If the switch is in the 3W (3-Wire) position, each K to Y closure will cause a K to Y output. A K to Z closure will result in a K to Z output. The CIR-3PS contains an input debouncing circuit which eliminates false pulses. If more than one K to Y input (pulse) occurs when the relay changes state, only the first pulse will be acted upon. This is also true for the K to Z input. Arc suppression for the contacts of the solid-state relay are provided internally. Set the time output pulse switch to either "S" for short (100mS) pulses or "L" for long pulses.
- UTILITY OUTPUT - The utility's KYZ output is located in the utility compartment and is a fixed 3-wire (Form C) output. Arc suppression for the contacts of the solid-state relay are provided internally.
- FUSES - Fuses are 3AG fast-blow type. Fuse F2 in the utility's compartment is coordinated with the customer's fuse F1. Fuse F2 must be larger than Fuse F1. F2 is 3/4 Amp maximum, and F1 is 1/2 Amp maximum. Fuse F3 (1/2 Amp) protects the utility's output only. Fuse F4 (1/2 Amp) protects the customer's time (EOI) output only.

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

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