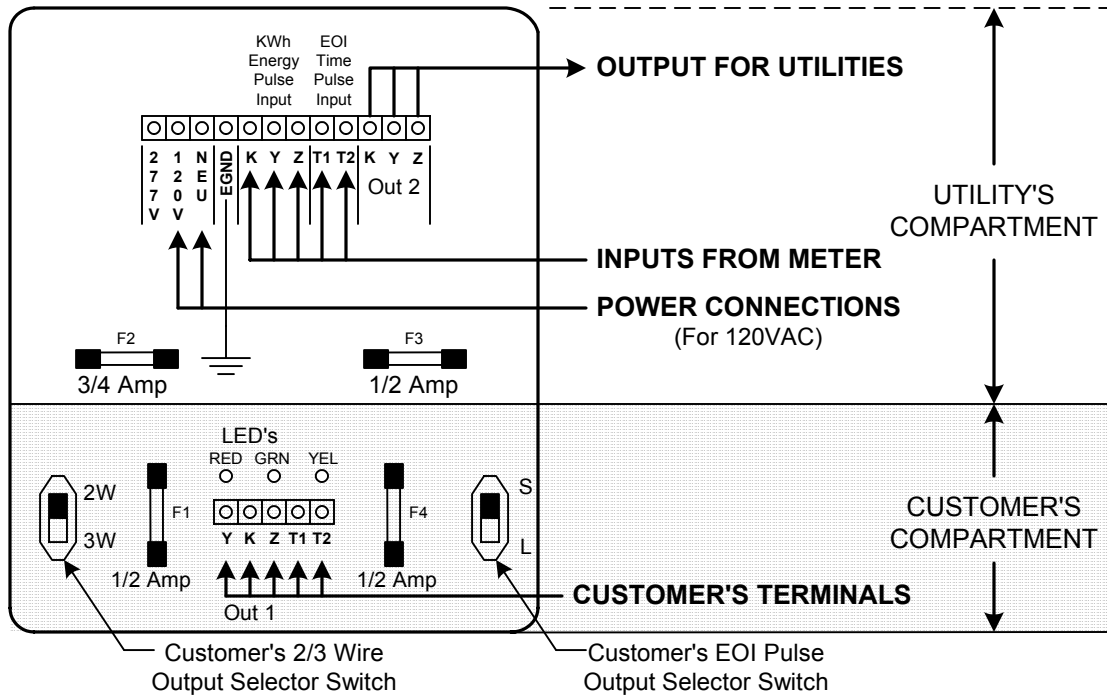


CIR-3PS

Elite Solid State

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.

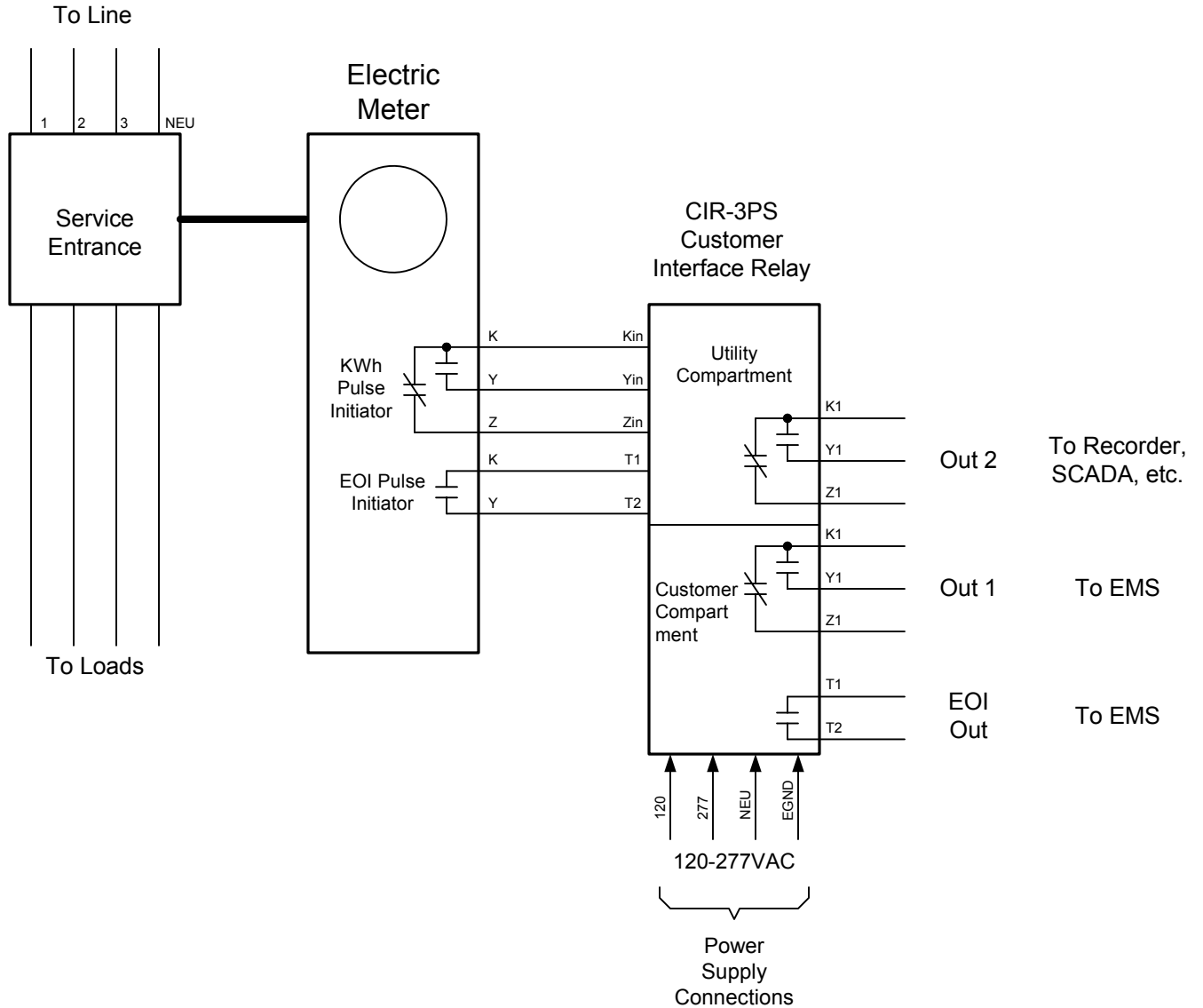
FUSES - Fuses are 3AG fast-blow type. Fuse F2 in the utility's compartment is coordinated with the customer's fuse F1. Fuse F2 must be larger than Fuse F1. F2 is 3/4 Amp maximum, and F1 is 1/2 Amp maximum. Fuse F3 (1/2 Amp) protects the utility's output only. Fuse F4 (1/2 Amp) protects the customer's time (EOI) output only.



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CIR-3PS Wiring Diagram



CIR-3PS Customer Interface Relay Wiring Diagram		REVISIONS	
		NO.	DATE
DATE ORIGINAL 10/04/2008		SCALE N/A	
LATEST REVISION		DRAWN WHB	

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