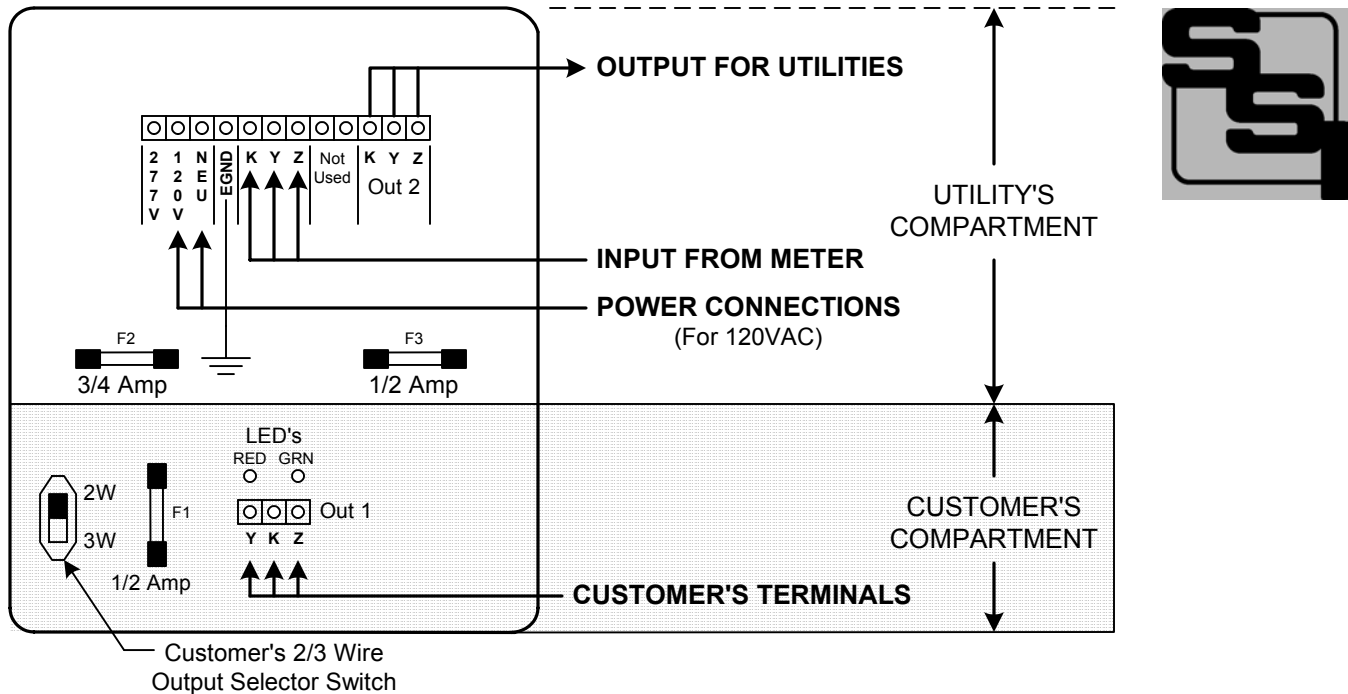


# CIR-2PS

*Elite Solid State*

# CUSTOMER INTERFACE RELAY INSTRUCTION SHEET



**MOUNTING POSITION** - The CIR-2PS 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-2PS' "K" terminal provides the +13VDC wetting (sense) voltage to the meter's "K" terminals. The CIR-2PS can only use 3-Wire inputs.

**CUSTOMER OUTPUT** - The customer's output is at the bottom of the CIR-2PS 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-2PS 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.

**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.

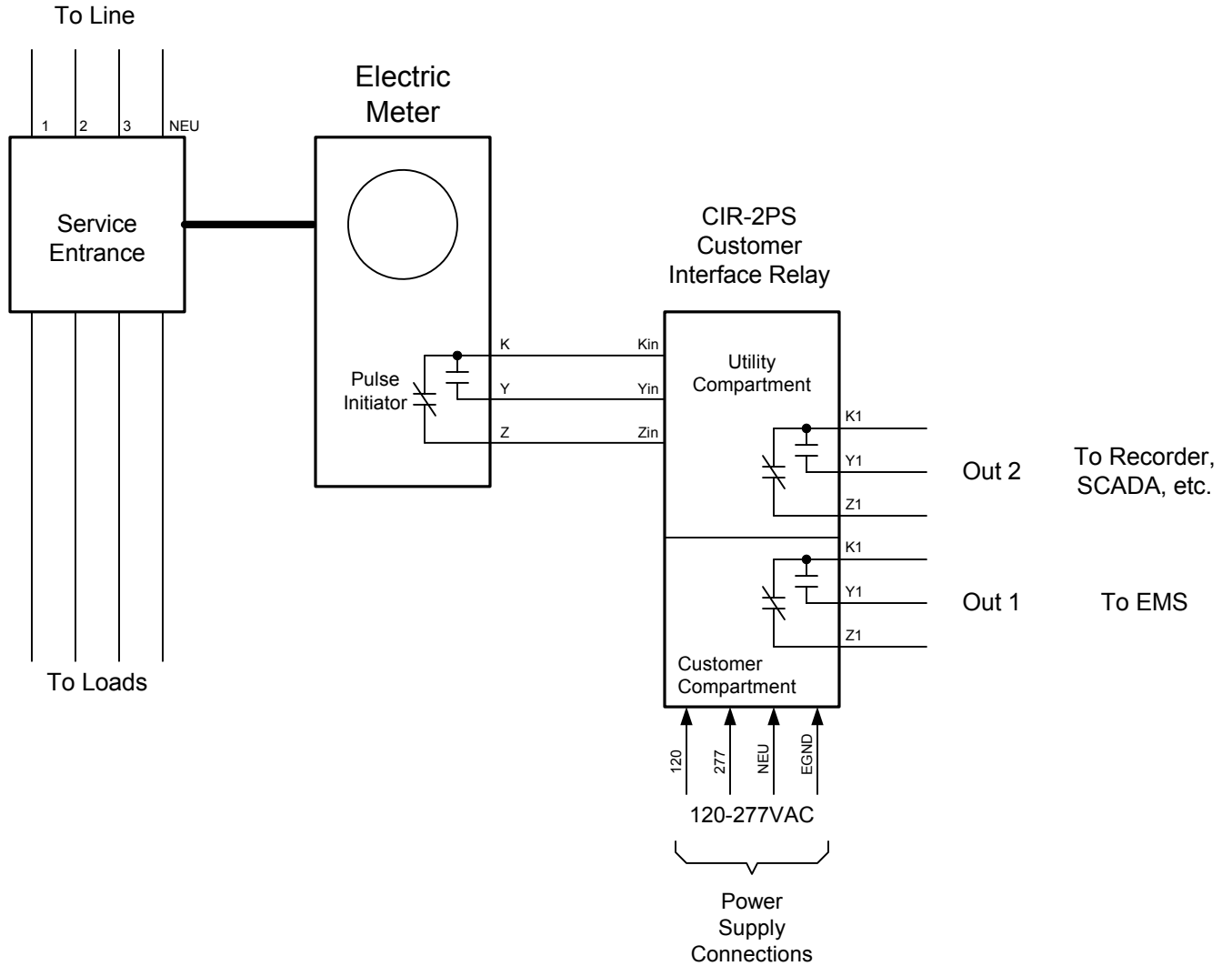
**FUSES** - Fuses are 3AG fast-blow type. Fuse F2 in the utility's compartment is coordinated with the customer's fuse F1. Fuse F2 must be larger than Fuse F1. F2 is 3/4 Amp maximum, and F1 is 1/2 Amp maximum. Fuse F3 (1/2 Amp) protects the utility's output only.



## SOLID STATE INSTRUMENTS

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# CIR-2PS Wiring Diagram



CIR-2PS Customer Interface Relay Wiring Diagram		REVISIONS	
		NO.	DATE
DATE ORIGINAL <b>10/04/2008</b>		SCALE <b>N/A</b>	
LATEST REVISION		JOB NO.	
		CHECKED	DRAWN <b>WHB</b>

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