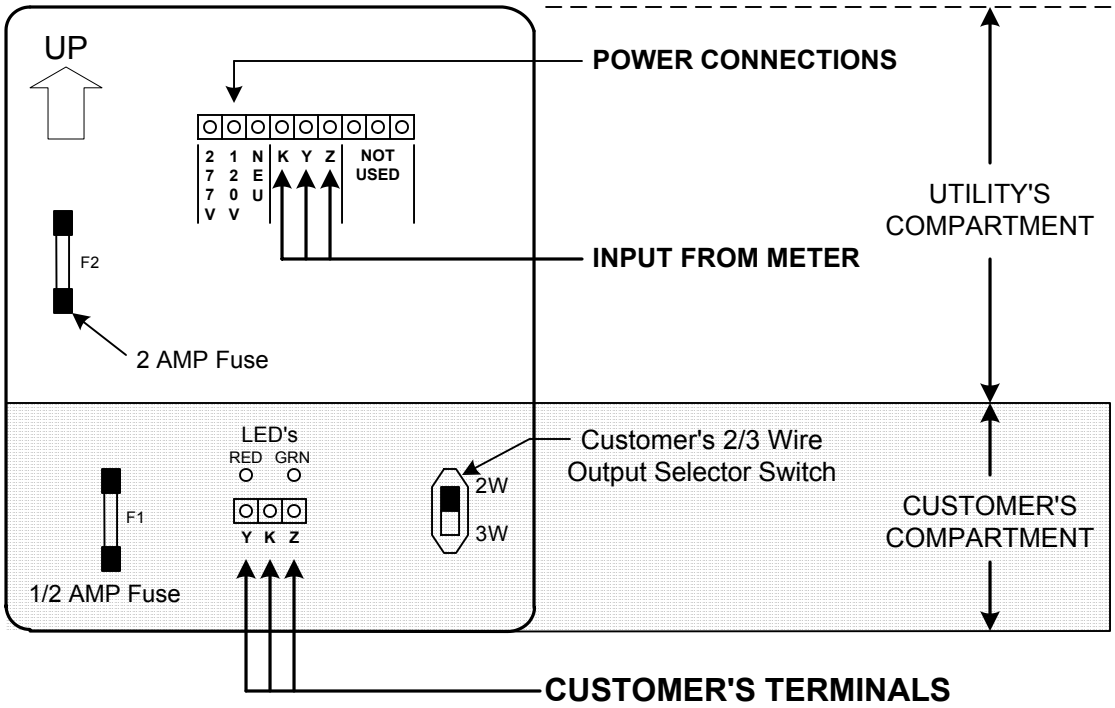
INSTRUCTION SHEET
CIR-1A-2 CUSTOMER INTERFACE RELAY



MOUNTING POSITION - Because the CIR-1A contains a mercury-wetted relay, it must be mounted in a vertical position to operate correctly.

POWER INPUT - If the CIR-1A is to be powered by a local power supply of between 90 and 200 volts, use the NEU and the 120V input terminals in the utility's compartment. For 200 to 350 VAC operation, use the NEU and 277V input terminals in the utility's compartment.

METER CONNECTIONS - Connect the K, Y, & Z leads from the meter to the K, Y, & Z terminals on the left side of the terminal strip in the utility's compartment. K to K; Y to Y; and Z to Z. The CIR-1A's "K" terminal provides the +13VDC wetting (sense) voltage to the meters' "K" terminals. The CIR-1A can only use 3-Wire inputs.

CUSTOMER OUTPUT - The customer's output is at the bottom of the board in the customer compartment. If the customer's output selector switch is in the 2W (2 wire) postition, each change of input pulse state (K to Y, 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 input will cause a K to Y output. A K to Z input will result in a K to Z output. The CIR-1A 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 mercury-wetted relay are provided internally.

FUSES - Fuse F2 in the utility's compartment is coordinated with the customer's fuse F1. Normally a 2 Amp fuse is used for F2 and a 1/2 Amp fuse is used for F1.

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