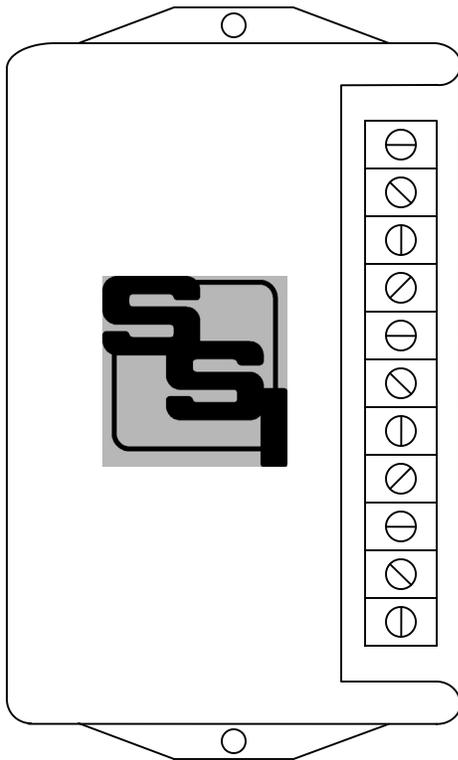


INSTRUCTION SHEET

IPR-1 ISOLATION PULSE RELAY



Z1 →
Y1 → **OUTPUT #1**
K1 ←

T2 →
T1 → **OUTPUT #2**

Tin ←
Zin ← **INPUT FROM METER**
Yin ←
Kin → +13VDC sourced to meter

L2 ← ^{Neu} **POWER SUPPLY**
L1 ← ^{Hot} **INPUT**

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

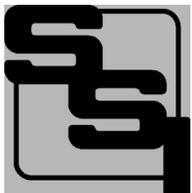
POWER INPUT - The IPR-1 requires a commercial power input of between 90 and 325 VAC, which should be applied to the terminals L1 and L2. Connect the hot lead to the L1 terminal and the neutral to the L2 terminal.

METER CONNECTIONS - The IPR-1's "Kin", "Yin", "Zin" and "Tin" input terminals should be connected to the meter's "K", "Y", "Z" & "T" terminals: "K" to "K", "Y" to "Y", etc. The IPR-1's "Kin" terminal provides the +13VDC wetting voltage to the meter's "K" and "T" terminals for energy and time pulses.

OUTPUTS - Output #1 is a 3-wire output for energy pulses. Output #2 is a 3-wire output for time pulses. Arc suppression for the contacts of each mercury-wetted relay is provided internally.

SETTINGS - Two settings are required for the time pulse output. The first, a 3-wire header switch with jumper, is located just behind the T1 terminal and above the amber LED. It allows the selection of either an output time pulse which is of equal duration to the input time pulse (position "L"), or a short 100 millisecond output pulse starting at the start of the time of the input pulse (position "S"). The shorting block should be placed between the center wire and the desired output pulse selection. The second selector switch is located adjacent to the top of the lower relay and may be set to cause the time terminals T1 and T2 to have a Form "A" (contacts normally open, closed for pulse output) or a Form "B" (contacts closed, opening for an output pulse) output.

FUSES - The fuses are type 3AG and may be up to 2 Amps in size. Two 1/2 Amp fuses (F1 and F2) are supplied standard with the unit unless otherwise specified.



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