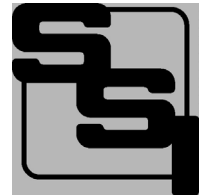


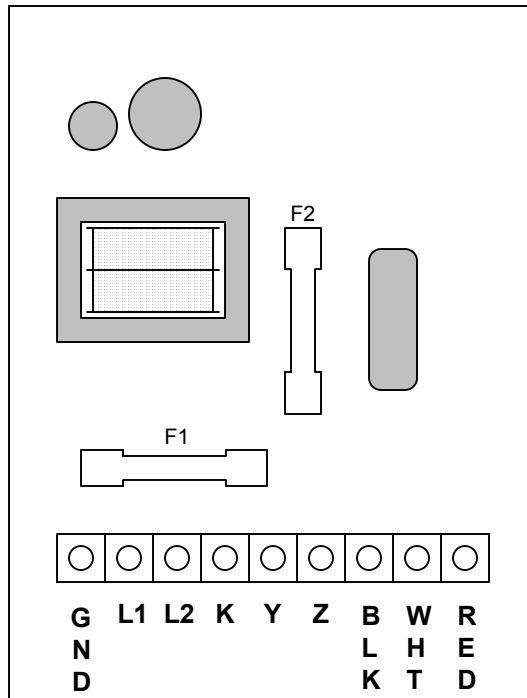
# INSTRUCTION SHEET

## GPR-1P GAS PULSE RELAY



### MOUNTING POSITION

- Because the GPR-1P contains a mercury-wetted relay, it must be mounted in a vertical position to operate correctly.



**POWER INPUT** - The GPR-1P should be powered by a 120VAC power source. Connect the "Hot" lead to L1 and the neutral lead to L2. Connect the ground wire to the GND terminal.

**SIGNAL INPUT** - Use 22 AWG 3-conductor shielded cable between the GPR-1P and the gas meter. If the distance is over 1000 feet, use #18 AWG wire. Connect the wires as follows: the RED terminal of the GPR-1P(+5VDC) to the RED wire from the pickup on the the gas meter. The WHT terminal on the GPR-1P(In) to the BLACK wire on the gas meter's pickup. Connect the BLK terminal on the GPR-1P(GND) to the GREEN wire on the gas meter's pickup. Connect the cable's shield to a good earthen ground at one end of the cable only. Do not connect the shield to anything at the other end of the cable.

**OUTPUTS** - The output terminals of the GPR-1P are the K, Y & Z terminals. The K, Y, & Z terminals should be connected to the recorder's K,Y, & Z terminals: K to K, Y to Y, and Z to Z. The manufacturer's specification sheet and installation instructions of the device that the GPR-1P is feeding should be consulted to facilitate correct installation. Output relay contacts are "dry" (no voltage present) type. Arc suppression for the contacts is internally provided. Do not exceed 1/2 Amp current or 100VA on the output.

**FUSES** - The power supply fuse (F1) supplied with the GPR-1P is 1 Amp, type 3AG. Use only fuses rated at 1 Amp or less for maximum life of the GPR-1P. The output fuse (F2) is factory equipped with a 1/2A, type 3AG fuse. F2 should not exceed 2Amp maximum.

## SOLID STATE INSTRUMENTS

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