Integrated Control Systems

GPI-1 PULSER

110 VAC INSTALLATION INSTRUCTIONS
For GPI-1 Models GPI1-110-SO-A and GPI1-110-DO-A

The GPI1 Pulser was designed to operate with GPI © pumps using the new style MD-130 or FM-530 register. It will generate an output of 10 pulses per gallon.

1. Remove the cover from the register to reveal the interior.

2. Locate the pulser mounting hole and encoder wheel in the register assembly. Refer to Fig1.

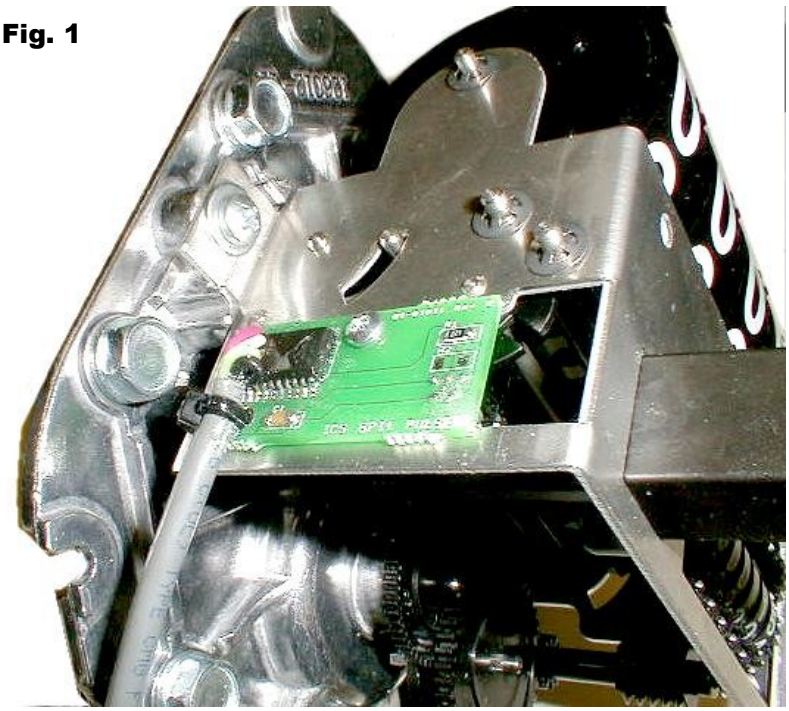
3. Position the GPI1 pulser head so that the optical sensor fits around the encoder wheel. Use the included #4 machine screw and locking nut to attach the pulser head to the register.

4. Use a drill or a round file as necessary to make a notch in the register housing for the pulser head wire.

5. Mount the GPI1 barrier and connect the wires as shown in Fig. 2. The pulser should be wired so that power is applied only when the handle switch is on. Note that the pulse output is a contact closure type, and the red wires (and blue wires for dual output models) are not polarity sensitive.

6. Installation of the GPI1 pulser is now complete. Run a test transaction and make sure that the pulser output is correct. If there is no output, make sure that sunlight is not shining directly on the pulser's optical sensor.

Fig. 1



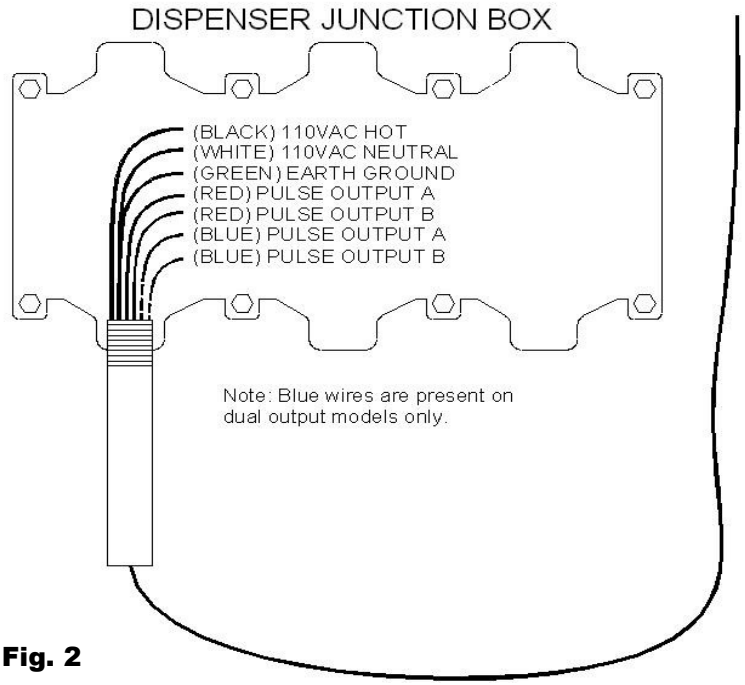


Fig. 2

Specifications:

Operating Temperature Range:	-40 to 150 degrees F.
Input Voltage Range:	70 to 150 Volts AC
Pulser Output Voltage Range:	5 to 170 Volts AC or DC
Maximum Speed	50 GPM

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GPI-1 PULSER INSTALLATION IMPORTANT NOTICE

When installing the GPI1 pulser barrier in the open (outside of a pump or dispenser cabinet), be sure to mount the barrier with the head wire facing downward as shown in the diagram at right.

Make a small loop in the head wire as shown, and tie-wrap the head wire to the barrier.

This configuration will prevent water from running down the head wire and collecting on the barrier seal.