

# GB1 PULSER

## 12 VDC INSTALLATION INSTRUCTIONS For GB1 Models GB1-12-SO-A and GB1-12-DO-A

The GB1 Pulser was designed to operate with the Gasboy © pushbutton-reset type meter-registers.. It will generate an output of 10 pulses per gallon. No switch or jumper settings are required.

1. Remove the cover of the register.
2. Remove the register from the housing by unscrewing the hex bolts at the top of the register.
3. Remove the two Philips screws at the top of the shaft bushings.
4. Holding the GB1 pulser head in position, reattach the Phillips screws into the bushings and tighten. The GB1 head brackets should sit on top of the shaft bushings. (See Figures 1 and 2). The optical sensor of the GB1 head will fit around the drive gear at the right side of the shaft.
5. Use a drill or a round file to make a notch in the register housing for the pulser head wire. Route the pulser head wire so that it does not interfere with the operation of the register.
6. Mount the GB1 barrier and connect the wires as shown in Fig. 3. 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.
7. Installation of the GB1 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

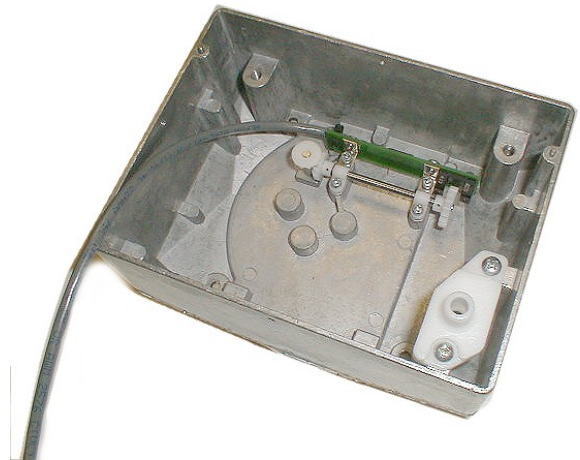


Fig. 2

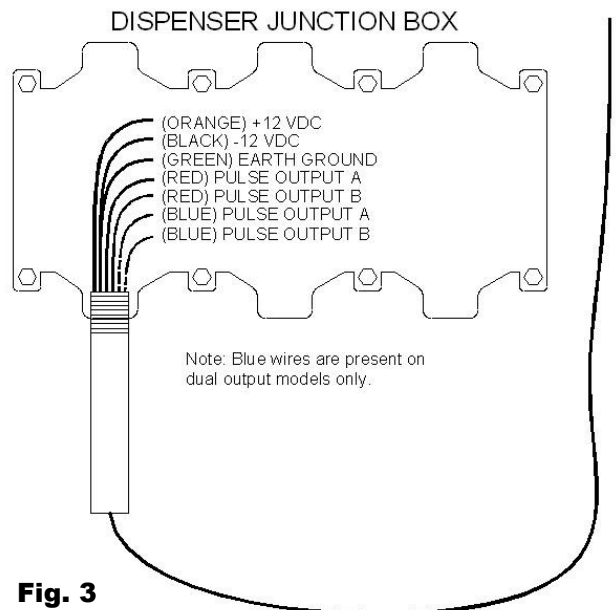


Fig. 3

### Specifications:

Operating Temperature Range: -40 to 150 degrees F.  
Input Voltage Range: 10 to 15 Volts DC  
Pulser Output Voltage Range: 5 to 170 Volts AC or DC  
Maximum Speed: 50 GPM

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# GB1 PULSER INSTALLATION IMPORTANT NOTICE

When installing the GB1 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.

