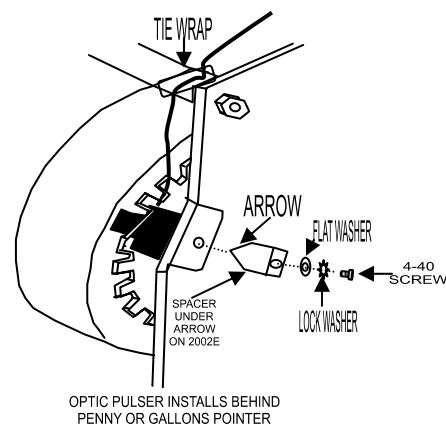
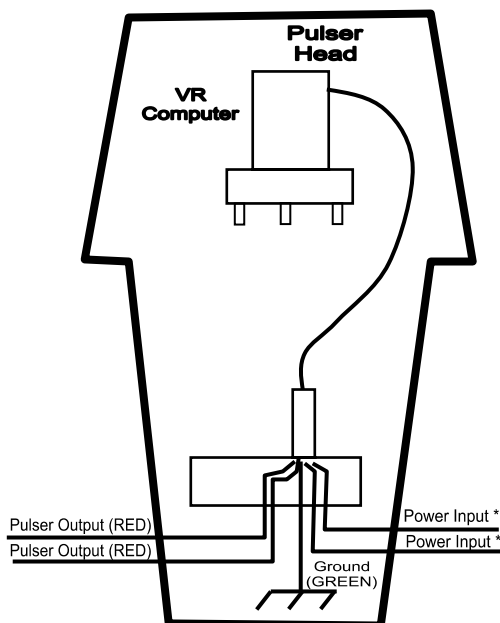


# Model 400-B Pulser



## INSTALLATION

1. Set the barrier's jumpers appropriately for the VR computer being used. Screw the vapor barrier into the fuel pump junction box.

NOTE: The pulser is installed inside the MONEY or GALLONS wheels by replacing the #6 screw that holds the arrow in place with one of the #4 screws that is supplied with the pulser. No drilling is required.

THE INSTALLATION IS MADE ON THE SIDE OPPOSITE THE TOTALIZER.

2. Reset the computer to zero. This sets the numbers for proper arrow alignment.
3. Remove Arrow.
4. Slip the pulser under the wheel so that it straddles the gear. When the pulser head is in the correct position the wire will be up towards the top of the pump.
5. Assemble one of the #4 screws, lock washer, flat washer spacer (2002E only), and arrow.
6. Insert the screw with washers, spacer (2002E only), and arrow into the arrow screw hole and screw it back into the pulser head block. The pulser head should be aligned so that the sides rest flat against the computer and the arrow.
7. Align the arrow and tighten the screw.
8. Use the tie-wrap provided to fasten the pulser cable to the computer. Make sure the cable is clear of any moving parts of the gas pump mechanism.
9. Connect the power wires according to the table provided. Pay particular attention to the part number of the pulser you are installing to match the proper wire colors to the proper connections. Connect the red wires to the pulsing circuit.

If erratic operation of the pulser is encountered, it may be due to electrical noise or fluctuations of the power lines. This type of problem may be eliminated by powering the pulser with separate power lines not connected to motors or solenoids, or by adding noise suppressors to each motor and/or solenoid.

All appropriate wiring practices as outlined by the National Electrical Code and state and local codes should be followed.

Contact OPW Fuel Management Systems in case of trouble or unusual application.  
Telephone 708-485-4200 FAX 708-485-7137

## Wire Connections

Pulser Type (Part #)	Black Wire	Black Wire	White Wire	Orange Wire	Red Wire	Red Wire	Green Wire
110 VAC (4000400)	110 VAC Hot	N/A	Neutral	N/A	Pulse Output	Pulse Output	Ground
220 VAC (4000400-22-0)	220 VAC L1	220 VAC L2	N/A	N/A	Pulse Output	Pulse Output	Ground
12 VDC (4000400-12-V)	DC Ground		N/A	+12 VDC	Pulse Output	Pulse Output	Ground

Pulse outputs (red wires), will pulse any voltage from 5 to 170 VAC or VDC.  
N/A = Not applicable for this version

## MODEL 400B PULSER JUMPER SETTINGS

