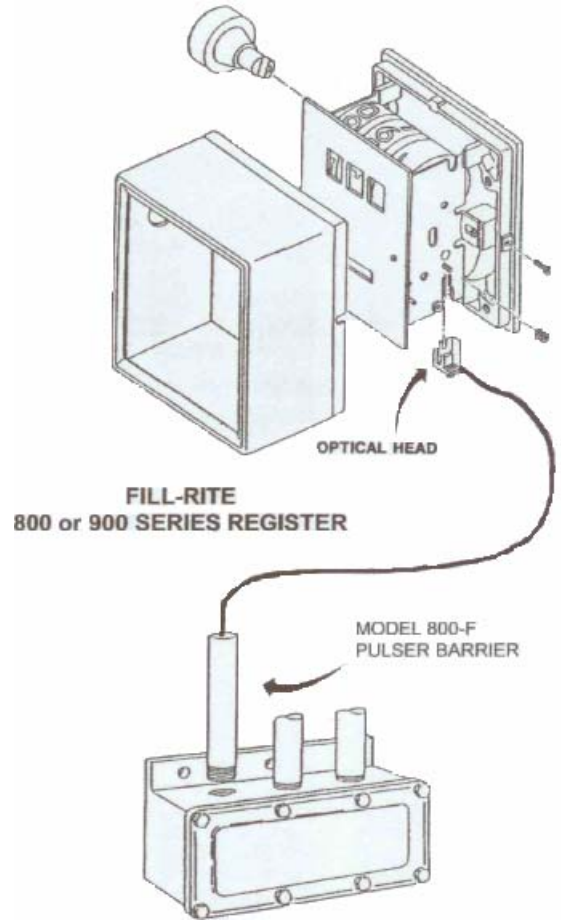
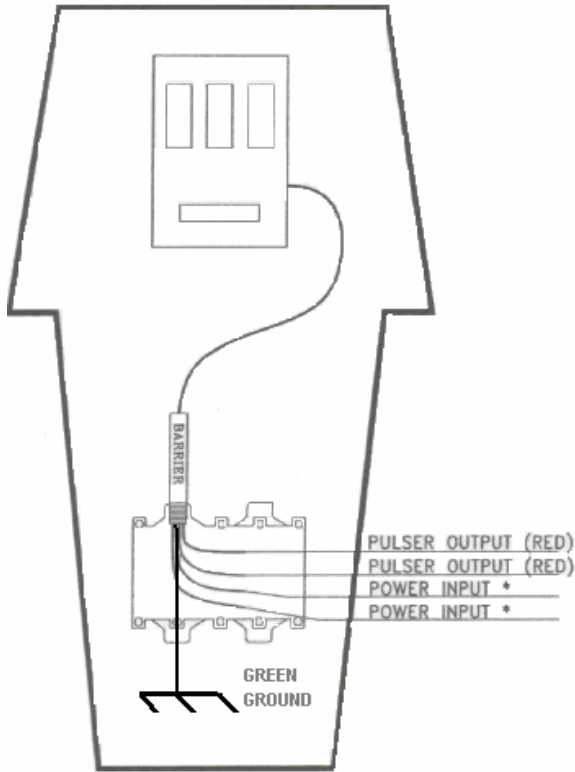


# Model 800-F Pulser



## Wire Connections

Pulser Type (Part #)	Black Wire	Black Wire	White Wire	Orange Wire	Violet Wire	Red Wire	Green Wire
110 VAC (4000800-F)	110 VAC Hot	N/A	Neutral	N/A	N/A	Pulse Output	Ground
220 VAC (4000800-F-22)	220 VAC L1	220 VAC L2	N/A	N/A	N/A	Pulse Output	Ground
12 VDC (4000800-F-12)	DC Ground	N/A	N/A	+12 VDC	N/A	Pulse Output	Ground
24 VDC (4000800-F-24)	DC Ground	N/A	N/A	N/A	+24 VDC	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

## INSTALLATION

1. Remove the reset knob and cover from the register.
2. (if EQUIPPED) Remove the nut and washer from the shaft screw on the left side of the register (later model registers are built with a smooth shaft).
3. Place the optical head such that it straddles the plastic gear on the end of the shaft and the bracket slot in on the shaft screw.
4. (if EQUIPPED) Replace the washer and nut removed in step2. On late models, secure the optical head with the supplied push nut.
5. Replace the register cover and reset knob.
6. Install the barrier into the junction box.
7. Connect the power wires according to the drawing 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

