

CARLON WATER METERS
INSTALLATION INSTRUCTIONS

For all types of JSJ Series meters:

1. Flush the line thoroughly after plumbing changes to eliminate the possibility of foreign materials reaching the meter.
2. Do not exceed an operating pressure of 150 p.s.i.
3. Install meter horizontally with the register facing up and the inlet port facing the supply water line. If meter must be installed vertically, it will not be as accurate at low flows. Direction of flow thru the meter is marked on the meter.
4. It is recommended that if there is any possibility that the water supply contains foreign materials, a strainer should be installed between the supply and the meter.
5. Connect the terminals on the pulse head to the meter input on the controlling device. The switch is a normally open micro-switch and is rated for a maximum of 10 amp at 250 VAC.
6. Connect your controlling device to the water treatment equipment (pumps, valves, etc.) Note GPC setting to determine frequency of operation.
7. The meter is designed to handle a sustained flow of 1/2 the rated maximum flow. It is not recommended that the meter be run for long periods of time at the maximum rating as excess wear will result and the life of the meter will be greatly reduced.
8. To reduce potential harmful effects to equipment from water hammers (hydraulic shock) caused by quick closing valves, it is suggested that one of the following actions be taken:
 - a. Install a "slow-closing" valve - available from most valve manufacturers, and insure that the valve is installed between the supply water line and the meter.
 - b. Install an expansion device between the meter and the valve that will absorb the shock of a water hammer.
9. Protect the meter from freezing and from heat in excess of 105°F.
10. This meter is not designed for outdoor installation.
11. Units with a timer option require wiring to a 120 VAC power source. Observe applicable electrical codes.
12. The timer has field adjustable time ranges. Be sure to set the timer for a value less than the expected time between pulse head contacts as the timer does not have memory.
13. The timer has a contact rating of 10 amps. Be sure the current load of the controlled device (motor, valve, etc.) does not exceed 10 amps.