

## METER CAPACITIES

Model	Size	Normal Flow	Maximum Flow
JSJ062	5/8" X 1/2"	10 GPM	20 GPM
JSJ0621	5/8" X 3/4"	10 GPM	20 GPM
JSJ075	3/4" X 3/4"	15 GPM	30 GPM
JSJ100	1" X 1"	25 GPM	50 GPM
JSJ150	1 1/2"	50 GPM	100 GPM
JSJ200	2"	80 GPM	160 GPM

**Note:** 5/8" - 1" meter ends have straight threads, not tapered.



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### CARLON METER, INC. • PRODUCT WARRANTY

Carlton Meter, Inc. (hereinafter Carlton or "the company") warrants products of its manufacture to be free of defects in material or workmanship. Liability under this warranty extends for twelve (12) months from the date of purchase. Liability is limited to repair or replacement of any failed product or assembly proven to be defective in material or workmanship upon manufacturer's examination. Removal and installation costs are not included under this warranty. Manufacturer's liability shall never exceed selling price of the meter or assembly in question. Carlton disclaims all liability for damage its products caused as the result of improper installation, maintenance, use or attempts to operate products beyond their intended functionality, intentionally or otherwise. Carlton is not responsible for damages, injuries or expenses incurred through the use of its products. The above warranty is in lieu of all other warranties, either expressed or implied. No agent of the company is authorized to alter or otherwise revise this warranty.

\*For complete specifications, visit our website: [www.carltonmeter.com](http://www.carltonmeter.com)

## Installation and Operating Instructions

### Model JSJ (RS)<sup>®</sup> Electric Contacting REED SWITCH Model

1/2" thru 2" sizes



*Leaders in water measurement and control*

1710 Eaton Drive  
Grand Haven, MI 49417

Ph: (616) 842-0420  
Fax: (616) 842-1265

E-mail: [carlton@carltonmeter.com](mailto:carlton@carltonmeter.com)

Website: [www.carltonmeter.com](http://www.carltonmeter.com)

## JSJ(RS)® Meter Installation Instructions

1. Flush the line thoroughly after plumbing changes to eliminate the possibility of foreign materials damaging the meter.
2. Operating pressure is 30 to 150 psi.
3. Install meter horizontally with the register facing up and the inlet port facing the supply water line.
4. It is recommended that if there is any possibility the water supply contains foreign materials, a strainer should be installed between the supply and the meter.
5. 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 reduced.
6. To reduce potential harmful effects to equipment from water hammer caused by quick closing valves, it is suggested that you purchase and install a **Carlton** slow-closing solenoid valve.
7. Protect the meter from freezing and from heat in excess of 105° F.
8. Protect meter from any backflow of water opposite indicated direction of flow.
9. For outdoor installation, protect the meter from direct exposure to the elements.
10. Connect the terminals on the register contact head to the meter input leads on the controlling device. The N/O reed switch is rated for a maximum of 100mA, 24V AC/DC. Note GPC (Gallons Per Contact) setting to determine frequency of operation.

- Straight unobstructed pipe section upstream of meter as follows:  
 Inlet Path - One Bend = 10 X Diameter of Pipe  
 Valves (check, gate, etc.) = 12 X Diameter of Pipe  
 Two bends or one tee and one bend or bends at random = 25 X Diameter of Pipe
- Straight unobstructed pipe section downstream of meter = 5 X Diameter of Pipe

### Electrical Specifications:

Dry Contact Reed Switch Output

Output Switch Ratings: 24V AC/DC maximum  
100 mA maximum

### Contact Settings Available:

#### Gallon

5/8" - 1"	.1, .25, .5, 1, 2.5, 5, 10, 25, 50, 100
1 1/2" - 2"	1, 2.5, 5, 10, 25, 50, 100, 250, 500, 1000

#### Cubic Feet

5/8" - 1"	.025, .05, .1, .25, .5, 1, 2.5, 5, 10
1 1/2" - 2"	.25, .5, 1, 2.5, 5, 10, 25, 50, 100

#### Liters

5/8"	2.5, 5, 10, 25, 50, 100
3/4" - 1"	2.5, 5, 10, 25, 50, 100, 250, 500, 1000
1 1/2" - 2"	25, 50, 100, 250, 500, 1000