

JSJ® METER/TIMER



Carlson's JSJ Programmable Meter/Timer System offers the most complete, economical and convenient system available for controlling chemical metering pumps, valves or other equipment. Installation is easy! Install the JSJ meter, plug in the 120 volt power cord, and plug the unit to be controlled into the receptacle on the timer. The JSJ meter is pre-wired to the Carlson Electronic Timer Control. This control is also available with two timers, if desired, for controlling two units at the same time. Programmable options include sequential, minutes/seconds, and historical tracking of meter pulses to the controller.



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METER SELECTION CHART

METER/PIPE SIZE	MODEL (ST / DT)	*CONTINUOUS FLOW	FLOW RANGE	WEIGHT	LENGTH	HEIGHT	WIDTH	CONNECTION LENGTH
5/8 X 1/2	JSJ062ST/DT	10 GPM	1/4 – 20 GPM	7.2 lbs.	7 1/2	5 1/8	4 3/8	2 3/8
5/8 X 3/4	JSJ0621ST/DT	10 GPM	1/4 – 20 GPM	7.5 lbs.	7 1/2	5 1/8	4 3/8	2 1/2
3/4 X 3/4	JSJ075ST/DT	15 GPM	1/2 – 30 GPM	9.3 lbs.	9	5 5/8	4 1/2	2 1/2
3/4 X 1	JSJ0751ST/DT	15 GPM	1/2 – 30 GPM	9.6 lbs.	9	5 5/8	4 1/2	2 5/8
1	JSJ100ST/DT	25 GPM	3/4 – 50 GPM	17.8 lbs.	10 3/4	6 7/16	6 5/16	2 5/8
1 X 1 1/4	JSJ1001ST/DT	25 GPM	3/4 – 50 GPM	18.0 lbs.	10 3/4	6 7/16	6 5/16	2 7/32
1 1/2	JSJ150ST/DT	50 GPM	2 – 100 GPM	25.0 lbs.	12 5/8	7 3/8	7 9/16	2 27/32
2	JSJ200ST/DT	80 GPM	2 – 160 GPM	38.0 lbs.	15 1/4	8	8 3/4	3 1/32

* **Continuous Flow:** The size of meter selected should be based upon continuous flow, GPM, as opposed to pipe size. For example, if it is determined that continuous flow is 25 GPM, a 1" meter should be selected rather than a 3/4" meter.

ORDERING INFORMATION: Specify model number shown followed by choice of contact setting desired. Example: 3/4" meter, 1" pipe size, 10 gallons per contact = JSJ0751MT 10 GPC.

X = AVAILABLE CONTACT SETTINGS

All contact settings are pre-set at the factory to your specification – call for available metric contact settings.

METER SIZE	.5 CFPC	1 GPC	1 OR 2 CFPC	2.5 GPC/CFPC	5 GPC	5 CFPC	10 GPC	10 CFPC	20 GPC	20 CFPC	25 GPC	25 CFPC	50 GPC/CFPC	100 GPC/CFPC	200 GPC	250 GPC	500 GPC	1000 GPC
5/8 X 1/2	X	RS	X	RS	X	X	X	X	X	X	X	X	X	X	X	X	X	X
5/8 X 3/4	X	RS	X	RS	X	X	X	X	X	X	X	X	X	X	X	X	X	X
3/4 X 3/4	X	RS	X	RS	X	X	X	X	X	X	X	X	X	X	X	X	X	X
3/4 X 1	X	RS	X	RS	X	X	X	X	X	X	X	X	X	X	X	X	X	X
1"	X	RS	X	RS	X	X	X	X	X	X	X	X	X	X	X	X	X	X
1 X 1 1/4"	N/A	RS	N/A	RS	X	X	X	X	X	X	X	X	X	X	X	X	X	X
1 1/2	N/A	N/A	N/A	N/A	RS	X	RS	X	N/A	X	RS	X	X	X	X	X	X	X
2"	N/A	N/A	N/A	N/A	RS	X	RS	X	N/A	X	RS	X	X	X	X	X	X	X

RS – JSJ meter with this GPC setting furnished with dry contact reed switch. 48V, .20 amp, 3 watt maximum rating.
GPC = Gallons Per Contact **CFPC** = Cubic Feet Per Contact

METER SPECIFICATIONS

Meter Connection: Carlon supplies necessary connections
Pressure rating: 30-150 psi.
PH Level Range: 6.5 – 8.0
Temperature Range: 35-105 degrees F. Protect the meter from freezing.
Accuracy: +/- 1.5% of maximum flow when operating between minimum and maximum flow range.

TIMER SPECIFICATIONS

Repetition Accuracy: 10 MS
Temperature Range: 32° to 185° C
Input Power: 120V, 60 Cycle
Output Signal: 120V, 60 Cycle, 15 Amp
Timing Range: 1 to 9,990 seconds (2 3/4 hours)
Enclosure Rating: NEMA-12

Installation Instructions:

1. Flush the line thoroughly after all plumbing changes to prevent contaminants from entering the meter.
2. Install horizontally with the register facing up and inlet port facing the water supply line.
3. The switch is a normally open type micro-switch and is rated for a maximum of 10 amps at 250 V AC (1/4 h.p.)
4. For outdoor installation, protect meter from direct exposure to the elements.
5. Protect meter from backflow of water opposite of indicated flow direction

Warranty: Carlon warrants its products to be free of defect in material or workmanship for a period of twelve months from the date of purchase. Contact us to obtain a copy of our complete statement of warranty

Helpful Hints:

1. Install a Carlon slow-closing valve downstream of your water meter.
This will eliminate possible meter damage from water hammer in your system.
2. Install a Carlon strainer upstream of your water meter to protect the meter and any other in-line process equipment from becoming jammed by particulate matter in your system.

Additional Information: If you require additional information, visit us online at www.carlonmeter.com