

# OVR® SYSTEMS



How can you read more meters faster while eliminating water consumption discrepancies? Easy, install one of Carlon's proven JL residential/commercial series meters, add our remarkable self-powered generator (that's right – no batteries to replace or power lines to connect) and combine it with a rugged, compact and accurate remote counter. The result is one of the most accurate, compact and reliable outside visual readout (OVR) systems on the market. For greater convenience and efficiency, we have designed our OVR System so that the remote counter may be installed up to 1000' from the meter.

Carlone's OVR System is easy to install, easy to read and is also tamper proof. As an added benefit, each unit is sealed to keep out dirt, insects and moisture. Any existing Carlone JL residential/commercial series meter is easily converted to an OVR System simply by adding an OVR conversion unit. The Carlone OVR System. Easy.



1710 EATON DRIVE • GRAND HAVEN, MICHIGAN 49417

PHONE (616) 842-0420 • FAX (616) 842-1265

E-MAIL [CARLON@CARLONMETER.COM](mailto:CARLON@CARLONMETER.COM) • [WWW.CARLONMETER.COM](http://WWW.CARLONMETER.COM)

## METER SELECTION CHART

METER/PIPE SIZE	MODEL	*CONTINUOUS FLOW	FLOW RANGE	WEIGHT	LENGTH	HEIGHT	WIDTH	CONNECTION LENGTH [X2]
5/8 X 1/2" thd	625JLR	10 GPM	1/4 - 20 GPM	4.4 lbs.	7 1/2	5 1/2	4 3/4	2 3/8
5/8 X 3/4" thd	6251JLR	10 GPM	1/4 - 20 GPM	4.4 lbs.	7 1/2	5 1/2	4 3/4	2 1/2
3/4 X 3/4" thd	750JLR	15 GPM	3/4 - 30 GPM	4.7 lbs.	9	5 7/8	4 3/4	2 1/2
1" thd	1000JLR	25 GPM	3/4 - 50 GPM	8.4 lbs.	10 3/4	5 7/8	5 9/16	2 5/8
1 1/2" flg	150JLRF	50 GPM	2 - 100 GPM	31 lbs.	13	6 11/16	7 9/16	n/a
1 1/2" thd	150JLRS	50 GPM	2 - 100 GPM	28 lbs.	12 5/8	6 11/16	7 9/16	2 27/32
2" flg	200JLRF	80 GPM	2 - 160 GPM	48 lbs.	17	7 1/4	8 3/4	n/a
2" thd	200JLRS	80 GPM	2 - 160 GPM	41 lbs.	15 1/4	7 1/4	8 3/4	3 1/32

An 'S' denotes threaded ends and an 'F' denotes flanged ends.

The R placed after the JL on the model number designates a remote is required.

\*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:** Select the meter model number from the Meter Selection Chart above. Add a G for gallon reading or a C for cubic feet reading (call factory for other register reading abbreviations). Example: 1 1/2" meter with remote reader, flanged type, with cubic feet register = 150JLRF C.

### METER SPECIFICATIONS

**Meter Connection:** Carlon will supply connections with all JL / JLR meter orders.

**Pressure ratings:** Do not exceed 150 psi.

**Temperature Tolerance:** Protect the meter from freezing and from temperatures in excess of 105 °F. For outdoor installation, protect meter from direct exposure to the elements.

**Accuracy:** +/- 1.5% when operating between minimum and maximum flow range

**Register Options:** U.S. Gallons, cubic feet, metric.

### READER PAD SPECIFICATIONS

**Dimensions:** Length = 3 5/8", Width = 7/8", Height = 1 3/8", Weight = 6 ozs.

**Signal Capability:** OVR reader pad may be mounted up to 1000' from meter.

**Wiring:** Carlon supplies 25' of wire with each OVR system. If additional wire is required, please contact the factory at 1-800-253-3098.

### Installation Instructions:

1. Flush the line thoroughly after all plumbing changes to prevent contaminants from entering the meter.
2. Install meter horizontally with the register facing up and inlet port facing the water supply line.
3. Connect OVR to meter by loosening terminal screws, inserting wire, and tightening. Wire connection to OVR by lifting clear plastic face plate cover. Attach wire to exposed terminal screws.
4. It is strongly recommended that you install a Carlon Slow-Closing Valve downstream of your water meter to eliminate possible meter damage from water hammer in your system.
5. It is strongly recommended that you install a Carlon Y-Strainer upstream of your meter to protect the meter and any other in-line process equipment from becoming jammed by foreign material in your system.
6. Protect meter from any backflow of water opposite 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.

**Additional Information:** If you require additional information, visit us online at [www.carlonmeter.com](http://www.carlonmeter.com)