



**Badger Meter**

## ORION® Classic (CE) Serial Repeater

### APPLICATION

The ORION Classic (CE) serial repeater is a transmitter/receiver that can be used in conjunction with any water or gas ORION CE endpoint to increase performance for network applications. Packaged in a remote enclosure, the ORION serial repeater can be located in any indoor or non-submersed outdoor application and programmed to repeat up to twelve ORION endpoint signals within the ORION serial repeater receiving range.

ORION serial repeaters are programmed to listen to endpoints that are programmed into their memory once an hour and to repeat the received standard consumption message.

### CONSTRUCTION

The ORION serial repeater is constructed of a plastic remote enclosure with an ORION transmitter/receiver radio frequency board. The ORION serial repeater may be installed indoors or outdoors but is not designed for vault or meter pit applications that are subject to flooding or submergence.

### PROGRAMMING

The ORION serial repeater can be easily field programmed to repeat up to twelve water and/or gas ORION CE endpoint standard consumption messages using either a Badger Meter handheld computer or an ORION laptop running the ORION Repeater Programmer software. Refer to the ORION Serial Repeater User Manual for more information on how to install and program an ORION serial repeater.

### TEMPERATURE

The operating temperature for the ORION serial repeater is -40...60°C (-40...140°F).

### ELECTRICAL

The electronic circuitry of the ORION serial repeater is designed to provide immunity to electrical transients per IEC801-2.



### TRANSPORTATION

When shipped from the factory, the ORION serial repeater is in off mode and is not transmitting.

This product contains a lithium battery that is subject to U.S. Department of Transportation transportation/shipment regulations.

### LICENSE REQUIREMENTS

This device complies with Part 15 of the FCC Rules. Any changes made by the user not approved by Badger Meter can void user's authority to operate the equipment. No license is required by the utility to operate a Badger ORION meter reading system.

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