

APPLICATION

The Badger® ORION® Serial Repeater is a transmitter/receiver that can be used in conjunction with any water or gas Badger ORION transmitter to increase the 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 transmitter signals within receiving range of the ORION Serial Repeater.

The Badger ORION Serial Repeater provides a tool to increase performance of any water or gas ORION transmitter for network applications. ORION Serial Repeaters are programmed to listen to transmitters that are programmed into their memory once an hour and to repeat the received standard consumption message.

CONSTRUCTION

The Badger ORION Serial Repeater is constructed of a plastic remote enclosure with a 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 Badger ORION Serial Repeater can be easily field programmed to repeat up to twelve water and/or gas ORION transmitter standard consumption messages using either a Badger handheld computer or a ORION Laptop running the ORION Repeater Programmer software. See the ORION Serial Repeater Installation and Operation Manual, for more information on how to install and program a ORION Repeater.

TEMPERATURE

The operating temperature of the ORION Serial Repeater is -40°C to 60°C (-40°F to 140°F).

ELECTRICAL

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

TRANSPORTATION

The Badger ORION Serial Repeater is shipped from the factory in an 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. Operation of this device is subject to the following two conditions: (1) This device may not cause harmful interference and (2) this device must accept any interference received, including interference that may cause undesired operation. 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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www.badgermeter.com
for specific contacts.

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Due to continuous research, product improvements and enhancements, Badger Meter reserves the right to change product or system specifications without notice, except to the extent an outstanding contractual obligation exists.



BadgerMeter, Inc.

P.O. Box 245036, Milwaukee, WI 53224-9536
(800) 876-3837 / Fax: (888) 371-5982
www.badgermeter.com