

**Badger® ORION® Reading System (ORS)
Programming a Transmitter**



For 24 hour Hardware, Software, and Procedure Support, call: 1-800-456-5023. Technician Hours are 7:45 a.m. – 4:30 p.m. Central Time, Mon.-Fri. Emergency Technician Paging 4:30 p.m. - 7:45 a.m. Central Time Mon.-Fri., Weekends, and Holidays.

- A. Plug the optical programmer into the laptop.
- B. Start the ORION utility icon.
- C. Place the optical programmer near the optical port on the Badger ORION transmitter in question.
 - a. Pit units; little bump on the bottom close to where the wire comes out.
 - b. Integral and remote units; little black dimple on the board inside the box.
- D. Select the **Read** button.
- E. The Transmitter ID number will appear in the Serial # box. The current reading will appear in the Odometer # box. The meter type and radio status will also be displayed.
- F. If reading is unsuccessful, reposition the optical programmer and try again.
- G. Once a successful read is obtained, verify the Serial # matches the tag on the transmitter.
- H. Compare the number in the Odometer # box to the register's odometer reading. The Badger ORION reading will include the six moving wheels and the first digit of the sweep hand for a total of 7 possible spaces.

(OVER)

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(OVER)

- I. Enter a new odometer reading, if required. To enter a new reading, select keypad button to clear the reading. Input the correct reading and select ok. Include the six moving wheels and the sweep hand.
- J. Place the optical programmer in position over the optical port of the transmitter.
- K. Select the Program Odometer button.
- L. Programming Screen will display updated information.
- M. If Programming is unsuccessful, verify ID number and odometer #, reposition the Optical programmer and try again.
- N. Once programming is complete, you may want to verify success. With the optical probe in place, select the Read button and verify the reading. Remember the Badger® ORION odometer reading will include the six moving wheels and the first digit of the sweep hand.

Badger® and ORION® are registered trademarks of Badger Meter, Inc.

ORI-TRC-06 (6-07)

- I. Enter a new odometer reading, if required. To enter a new reading, select keypad button to clear the reading. Input the correct reading and select ok. Include the six moving wheels and the sweep hand.
- J. Place the optical programmer in position over the optical port of the transmitter.
- K. Select the Program Odometer button.
- L. Programming Screen will display updated information.
- M. If Programming is unsuccessful, verify ID number and odometer #, reposition the Optical programmer and try again.
- N. Once programming is complete, you may want to verify success. With the optical probe in place, select the Read button and verify the reading. Remember the Badger® ORION odometer reading will include the six moving wheels and the first digit of the sweep hand.

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- J. Place the optical programmer in position over the optical port of the transmitter.
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