

**ORION®
Automated Meter
Reading System**

Remote Data Profiler

**Installation
Data**

REQUIRED TOOLS

62658-003 TORX® #T-10 Driver
64926-038 Badger®-Radix® down load cable
Badger-Radix Handheld Programmer with Data Profiler software

REQUIRED MATERIALS AND TOOLS

Choice of mounting hardware or fasteners to mount RDP to any vertical surface. Tools are dependent on type of mounting hardware used.

IDENTIFICATION

To easily identify an ORION Remote Data Profiler, the unit will be packaged in a black housing.

All ORION RDP units are shipped from the factory unprogrammed. The field installer, using the Badger-Radix, must enter the desired ORION transmitter serial number and consumption interval to activate the unit. Once the programming is completed, the unit will be ready to capture data.

INSTALLATION

The RDP can be programmed and used indefinitely with one particular water meter equipped with an ORION transmitter. Or it can be used as a tool to temporarily monitor a particular meter and then moved and reassigned to another meter later.

LOCATION

In either case, a suitable location for the RDP must first be identified. There are several aspects to consider. First, the Profiler must be within receiving range of the transmitter. Usually several hundred feet range is achievable, depending on obstructions. Secondly, the location should be easily accessible by utility personnel for data retrieval and reprogramming. Finally, the Remote Profiler can be located in any suitable indoor or outdoor non-submersible environment. It is recommended that the suitability of a location be tested before actually mounting the Profiler.

Note: The ORION Remote Data Profiler performs best with a clear line of sight to the ORION transmitter; performance will vary by installation.

UNPACKING

Carefully remove the ORION RDP from the shipping carton and inspect the unit for damage and to insure that the cover, TORX screws and mounting bracket are in place.

RDP INSTALLATION

The RDP can be installed in any indoor setting, including basement and utility rooms, or any outdoor setting that is NOT subject to flooding or submergence. Meter pits and vaults are not suitable due to the possibility of submergence. A bracket is attached to the RDP for mounting to any vertical surface, including a wall or a post. Do not install the RDP close to metal objects like furnaces, water heaters and appliances, electrical equipment or within foil insulation in the rafters.

Securely mount the RDP enclosure to a vertical surface using the mounting bracket supplied and suitable fasteners (not supplied). Note, the mounting bracket can be rotated 90 degrees by removing the mounting screws, rotating the bracket, and then reinstalling the screws.

PROGRAMMING

Remove the four TORX screws holding the cover and carefully remove the cover and cover gasket. Place the cover, gasket and screws in a clean, dry, safe location for reinstallation after the programming is complete.

Refer to the ORION Remote Data Profiler Instructions for Programming and Data Retrieval for specific instructions.

REPLACE COVER

After the programming of the RDP is completed, remove the Badger-Radix interface cable from the RDP connector. Replace the housing cover and gasket and secure with the four TORX screws provided. Make certain that the gasket is properly seated to insure water does not leak into the housing.

NOTE: Any changes made by the user not approved by Badger Meter, Inc. may void the user's authority under FCC regulations to operate the equipment.

REGULATORY

This device complies with Part 15 of FCC rules. Operation is subject to: (1) this device may not cause harmful interference (2) this device must accept any interference, including interference that may cause undesired operation.

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Please see our website at
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