

DESCRIPTION

APPLICATIONS: The BadgerTouch™ Single Remote Module coupled with the Absolute Digital Encoder (ADE™) is a complete electronically encoded close-proximity automated meter reading system, specifically designed for single point remote meter installations. This system can be used with all Badger Meter Recordall Disc, Turbo Series, and Compound meters available today.

COMMUNICATION: Communication is accomplished by using a Symbol® handheld data collector to interrogate the BadgerTouch remote module via a short range Radio Frequency (RF) signal. The remote module responds with its serial number, water meter reading, and transmits data in approximately 2.5 seconds. In the event a tamper condition exists, the Symbol data collector will not receive a reading.

PERFORMANCE: The Badger Meter BadgerTouch automated meter reading system offers operating performance in a variety of applications under most climatic conditions. The remote module allows readings under many conditions where ice, sand, or dirt may impede direct contact with the read pad. For consistent results, interrogation equipment should be placed in direct contact with the remote read pad.

METER READING VALIDATION: Further validation of the meter reading can be made automatically by the Symbol based on comparison of high-low audit fields in the record. If the meter reading is not between these predetermined limits, an error message is displayed on the Symbol display.

WIRE CONNECTIONS: The BadgerTouch Remote Module can be installed in new or existing installations where remote meter reading is required. The remote module is connected to the recommended wire that runs between the module and the ADE. A set of gel splice connectors makes this connection. The ADE is provided prewired with either a 3', 6', 10' 15' or 25' length of wire that is ready for connection in existing installations. Please see figure 1 for more information on connections. To provide best results, a maximum of 75 feet of wire (Belden #9770) between the remote module and the ADE is allowed. Other wire types may also affect performance. If an additional length of wire is used in addition to that provided with the ADE, a second set of gel splices must be made.

CONSTRUCTION: The Badger Meter BadgerTouch remote module enclosure is constructed of a high impact plastic enclosure designed for most remote locations. All internal electronic components are encapsulated to provide environmental protection. The ADE provides permanent glass/metal packaging in a plastic shroud and lid for long lasting, highly reliable encoded meter reading information collection.

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 the user's authority to operate the equipment. No license is required by the utility to operate a BadgerTouch meter reading system.



SPECIFICATIONS

Temperature:

Operating -5° F to +120° F (-20° C to +49° C)

Storage -5° F to +120° F (-20° C to +49° C)

Humidity 0% to 100% Condensing

Ultraviolet Remote enclosure is UV protected for outdoor installation

Construction High impact weather proof plastic enclosure containing encapsulated electronics and reading coil. The ADE is constructed of a permanently sealed glass and copper design.

Hardware Noncorrosive tamper resistant TORX® seal screw mounted on ADE shroud and remote housing (optional seal screw available)

Weight 6 ounces (not including the ADE)



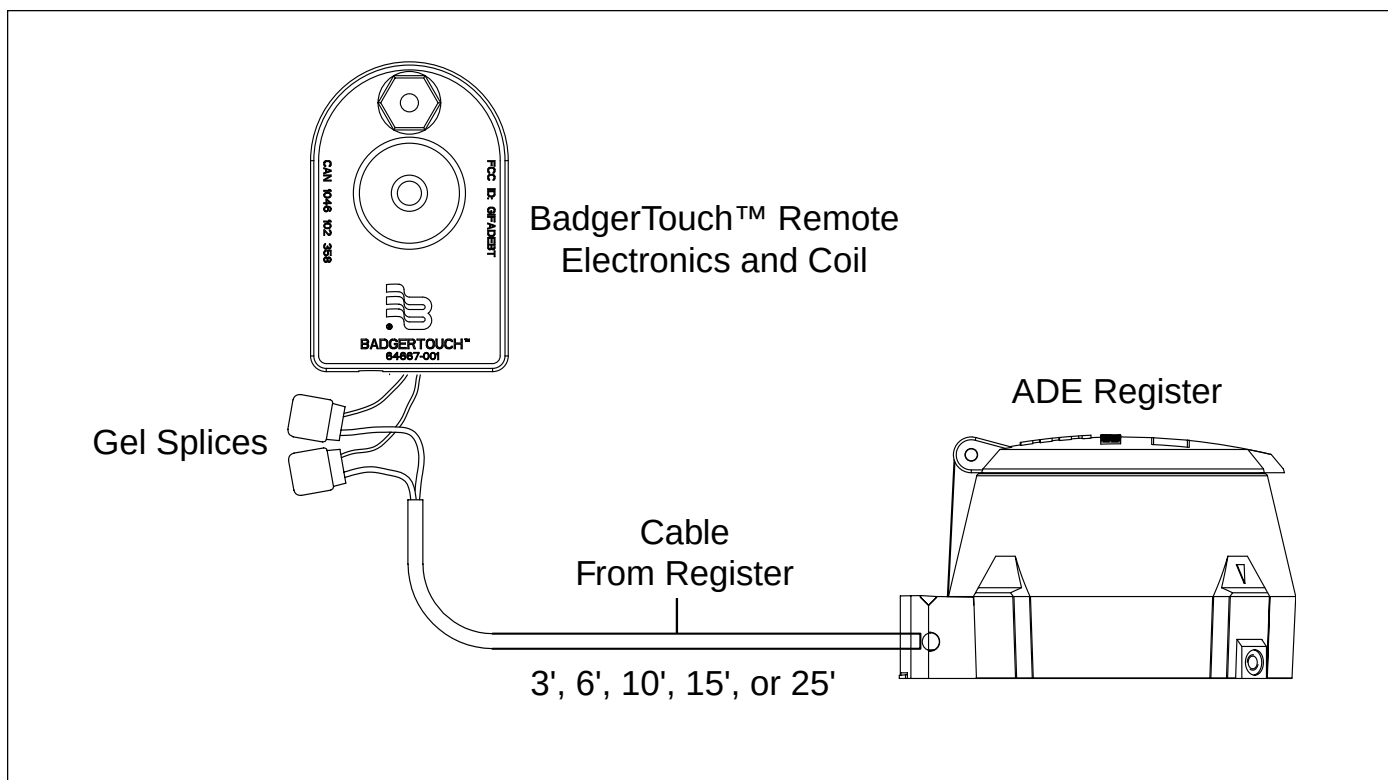


FIGURE 1. BADGERTOUCH SINGLE REMOTE CONFIGURATION

Recordall® and RTR® are registered trademarks of Badger Meter, Inc. TORX® is a registered trademark of Camcar, Division of Textron, Inc. BadgerTouch™ and ADE™ are trademarks of Badger Meter, Inc.



Please see our website at
www.badgermeter.com
 for specific contacts.

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 bid obligation exists.



BadgerMeter, Inc.

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