

DESCRIPTION

Applications: The BadgerTouch® Single Remote Module coupled with the next generation E-Series® G2 Ultrasonic meter or the High Resolution Encoder (HR-E®) is a complete electronically encoded close-proximity automated meter reading system, specifically designed for single point remote meter installations. BadgerTouch Remote Modules are supplied as standalone modules for field connection to an E-Series G2 Ultrasonic meter, or to an HR-E encoder for use with all Recordall® Disc, Turbo, Compound, Combo, and Fire Series meters and assemblies.

Communication: Communication is accomplished by using compatible reading devices programmed to read BadgerTouch or Industry Standard ASCII protocols, such as the VersaProbe® reading wands, to interrogate the BadgerTouch Remote Module. The Remote Module responds with the unique meter serial number and the meter reading, transmitting data in approximately 2.5 seconds. In the event a tamper condition exists, the data collector will not receive a reading.

Performance: The BadgerTouch meter reading system offers operating performance in a variety of applications under most climatic conditions. 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 data collector, 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 data collector 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 E-Series Ultrasonic meter or HR-E encoder. A set of terminal screws on the remote module makes this connection. The meter/encoder is provided with a 3, 10 or 25 foot (91, 305, 762 cm) length of wire that is ready for connection to the BadgerTouch Remote Module. See ["Configurations" on page 2](#) for more information on connections. To provide best results, a maximum of 75 feet of wire (Belden #9770) between the remote module and the meter/encoder is allowed. Other wire types may affect performance. If an additional length of wire is used in addition to that provided, a set of gel splices must be made.

Construction: The 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.



SPECIFICATIONS

Product Compatibility	E-Series G2 Ultrasonic meter; HR-E High Resolution Encoder
Operating Temperature	-5...120° F (-21...49° C)
Storage Temperature	-5...120° F (-21...49° C)
Humidity	0...100% Condensing
Ultraviolet	Remote enclosure is UV protected for outdoor installation.
Construction	The Remote Module has a high impact weatherproof plastic enclosure containing encapsulated electronics and reading coil.
Hardware	Two terminal screws for connecting the meter/encoder lead wire to the Remote Module.
Dimensions	3.30 in. (84 mm) diameter 1.50 in. (38 mm) height
Weight	6 ounces (Module only)

CONFIGURATIONS

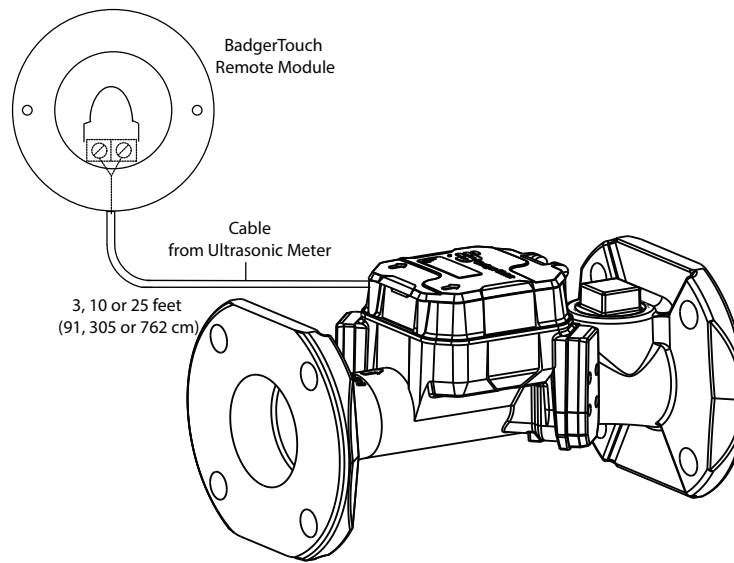


Figure 1: BadgerTouch single remote configuration with E-Series G2 Ultrasonic meter

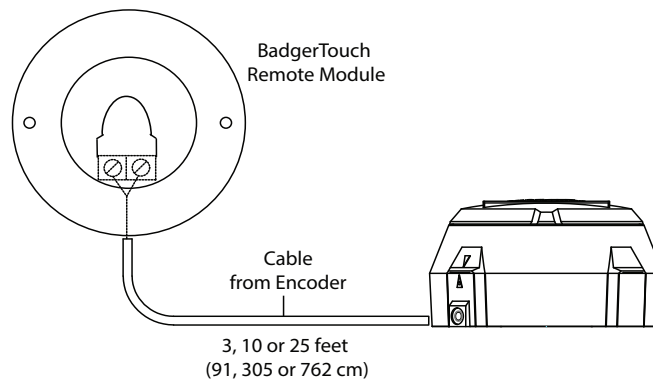


Figure 2: BadgerTouch single remote configuration with HR-E encoder

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