

BadgerTouch™ Automated Meter Reading System

BadgerTouch™ Pit Module

Installation Data

REQUIRED TOOLS

62658-000 Torx® Screw Driver (10 bit)

IDENTIFICATION

Badger Meter BadgerTouch Pit Modules are available in a single module configuration for easy adaptation to the complete Badger Recordall® Disc, Turbo Series, and Compound meter lines. The single pit design offers a factory prewired BadgerTouch module to the Absolute Digital Encoder (ADE™).

Each ADE is clearly identified on the face of the dial with an assembly number, unit of measure and meter model number (See Figure 1). The BadgerTouch Pit Module does not contain an identification number. The ADE register contains a unique identification number. The number is shown on the underside of the register cover. Interrogation of the ADE will display the ID number and the meter reading.



Figure 1. Identification - Absolute Digital Encoder

INSTALLATION

UNPACKING

Carefully remove the prewired BadgerTouch Pit Module and ADE(s) from the shipping carton and inspect the assembly for any damage. Retain the contents of the installation kit for use in securing the Pit Module to the pit lid cover.

LOCATION

To ensure proper operation of the BadgerTouch on-site meter reading system, the BadgerTouch Pit Module should be mounted through a predrilled hole in the pit lid. Minimum hole diameter required is 1 3/4". The Pit Module contains electronic circuitry that is totally encapsulated to enhance reliable performance in most locations, under most conditions.

PIT MODULE INSTALLATION

The BadgerTouch Pit Module (see Figure 2) is shipped prewired to the ADE for single pit configurations. Due to the factory prewired shipment, there is no splicing required. To prepare for the Pit Module installation, first disassemble the two locking nuts of the Pit Module and remove the coil assembly. From the top of the pit lid, insert the "mushroom" pit module holder through the pit lid. Tighten the pit module locking nut so that the module holder fits snugly against the pit lid. Then insert the coil assembly, which is connected to the ADE lead wire, into the Pit Module holder, and then tighten its locking nut so that the coil assembly is fully seated in the top of the holder. Excess wire should be coiled up inside the pit and cable tied to avoid any damage.

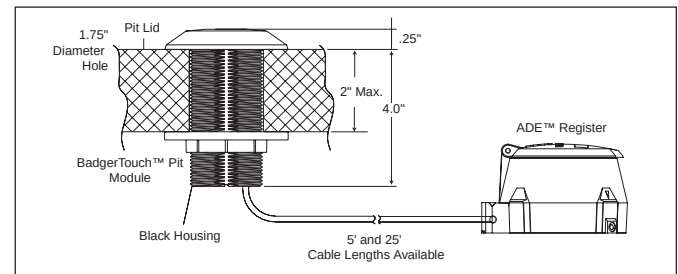


Figure 2 Identification - BadgerTouch Pit Module

ADE INSTALLATION

Install the ADE on the water meter and secure it using either the Torx screw or standard seal screw provided.

TESTING

Once the BadgerTouch Pit Module is secured through the pit lid and the ADE has been mounted on the water meter, the BadgerTouch system is ready for operation. No specific testing is required at the meter location regarding proper connections. Interrogation of each module will ensure that proper coordination of meters, modules, and account have occurred. A VersaProbe™ or other equivalent reading device should be used for interrogation of the installed BadgerTouch modules.

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.

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