EZ LOCATE ASSEMBLY | ENCLOSURES

LOCATES MADE EASY

HUBBELL

Quick and EZ Locate

NOW WITH A LARGER ACCESS HATCH!

WHAT IS THE EZ LOCATE SYSTEM?

The EZ Locate is a two-part system with a unique underground locate station. Its easy-open access hatch eliminates the need to remove the enclosure's cover. **The EZ Locate makes locates faster, and third-parties no longer need to access critical infrastructure components.** Equipped with an auto-grounding/bonding feature, the device also reduces the potential for operator error.

HOW DOES THE EZ LOCATE SYSTEM WORK?

The EZ Locate system has an integrated ground disconnect lever, which allows the #6 – #24 AWG trace lines to be quickly isolated from the common ground. Individual lines no longer need to be disconnected to perform a locate, saving both time and money. Once the trace/locate is complete and the unit is pushed back into the underground enclosure, the ground reconnection is automatically reinstated. The top access hatch bolt can then be reinstalled. With the EZ Locate, your locate system is out of sight, out of mind and out of harm's way.

NOW AVAILABLE IN:

QUAZITE-FRP® 17x30 and 24x36

QUAZITE® 13x24, 24x36, 30x48, 48x48 and the PR3900 round

PENCELL® 24x36 and 30x48

FASTER
Easy access allows locates to be performed more efficiently.

SECURE
Prevents third- parties from accessing mission critical underground infrastructure.

AUTO-GROUNDED
The two-step closing process automatically reconnects the ground.

ERGONOMIC
Eliminates the need to remove large covers.

EASILY INSTALLED
Available pre-installed in a Hubbell® enclosure or as a retro-fit kit.

CUSTOMIZABLE
Easily add your own logo.

STRONG
Made from stainless steel and high grade thermoplastics; it will not rust.

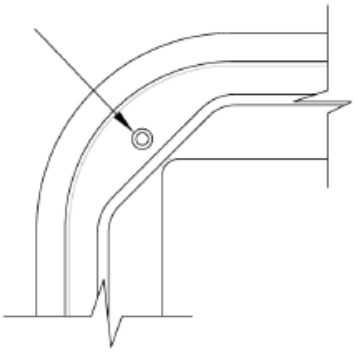
EZ Locate Retrofitting Instructions

TOOLS NEEDED

- Tapcon 3/16” drill bit
- Nut drive 5/16” hex
- Tape measure

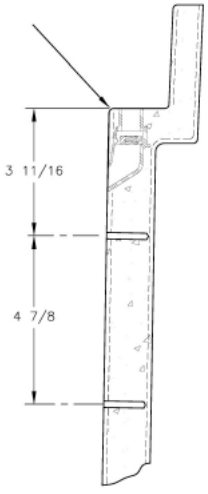
TO INSTALL EZ LOCATE IN AN EXISTING ENCLOSURE

1 Locate the cover bolt down area.

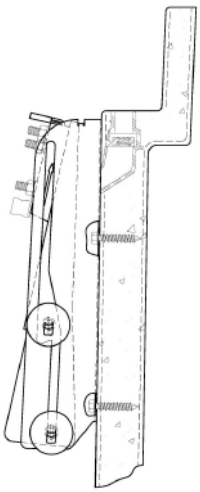


2 Measure down 3-11/16” from the ledge on the box rim where the cover sits. Drill a 1-1/2” deep hole at this location, leaving equal distance on each side.

3 Measure 4-7/8” from your first hole to mark and drill your second hole.



4 Hold the EZ Locate assembly over the holes, and add the Tapcon screws using a nut driver. Mount with quantity (2) 1/4” diameter x 1 1/4” long hex concrete screws. Make sure screws are fully seated.



EZ Locate System

INSTALLATION GUIDE

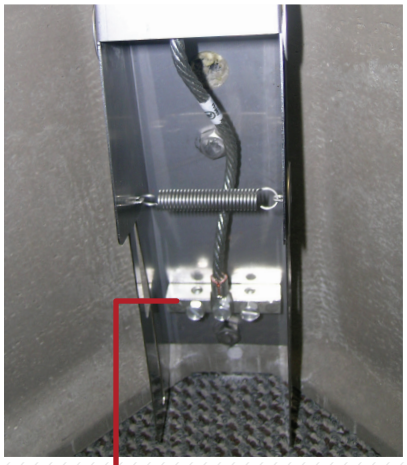
EZ Locate test station, EM9125-EZ-CI-FG, with ground block for use in Quazite, Quazite-FRP, and PenCell enclosures. The telescoping body is made from stainless steel; the isolating ground switch is made from engineering-grade thermo- plastic and tin-plated copper alloy components to prevent corrosion.

The EZ Locate System allows the #6–24 AWG ground wire/bonding harnesses or tracer wires to be quickly isolated from the grounding electrode. It consists of a handle and slide mechanism with two positions: UP = isolated, meaning no continuity between the posts and the ground. DOWN = all positions are common and functioning. Individual lines no longer need to be disconnected to perform a locate, saving time and money. Also helps prevent unattached bonding and grounding harnesses, loose bonds, and lost nuts.

INSTALLATION OF BONDING AND GROUNDING HARNESSES OR TRACE WIRES

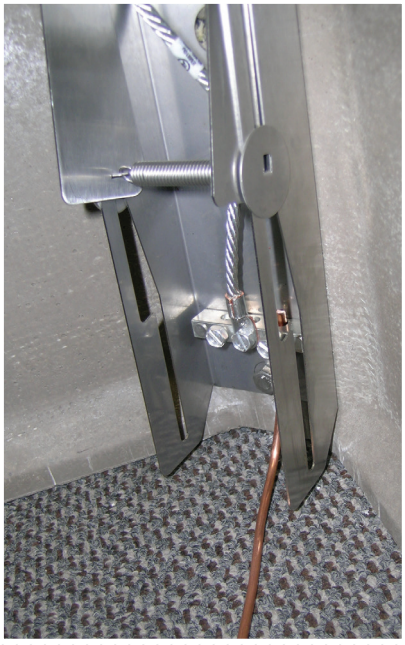
1 Move the isolating ground switch telescoping body into the upper position, exposing the ground block at the base.

TEST STATION OR ISOLATION SWITCH



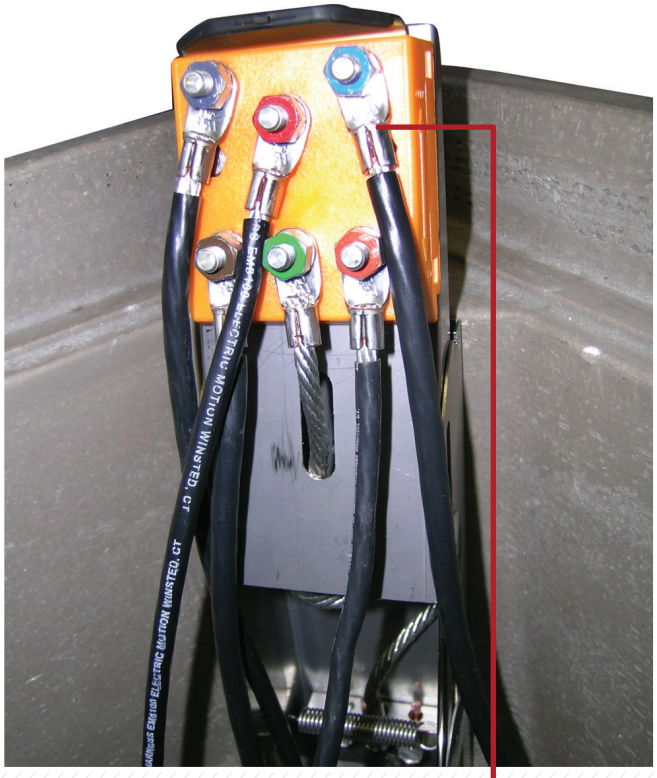
GROUND BLOCK JUNCTION

2 Attach #6 AWG ground wire in ground block at the base. Run the #6 AWG ground wire along the bottom of the enclosure out of the way of cables and splice closures. Attach to ground rod or other ground electrode.

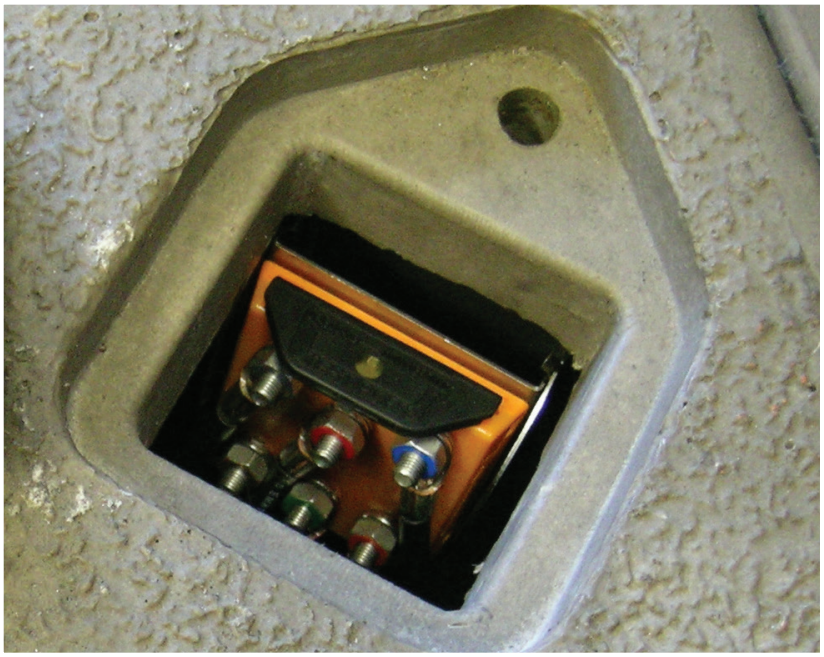


3 Keep in the upper position and attach bonding harnesses or locate wires to isolation switch. Use insulated flexible harnesses. EM8100 series is recommended (RUS Listed and UL Listed). Leave slack in harnesses, avoiding any interference with cables and closure, to allow for easy telescoping of the EZ Locate mechanism. Tighten each nut to 40 in-lb.

4 When placing additional bonding harnesses on isolation switch, make sure terminals do not contact each other. This would result in the locate signal to be on two cables (not isolated) and a weak signal.



5 Push down EZ Locate connector mechanism to the lower position. Place enclosure's cover on top and open locate access hatch.



6 Check to make sure the EZ Locate connector moves up and down freely without any interference from bonding harnesses getting caught on each other, or any obstructions. To access, place fingers under test station lever and push back and up to extend and expose the test station.

SLIDE MECHANISM HANDLE

UP=ISOLATED
DOWN=COMMON & GROUNDED

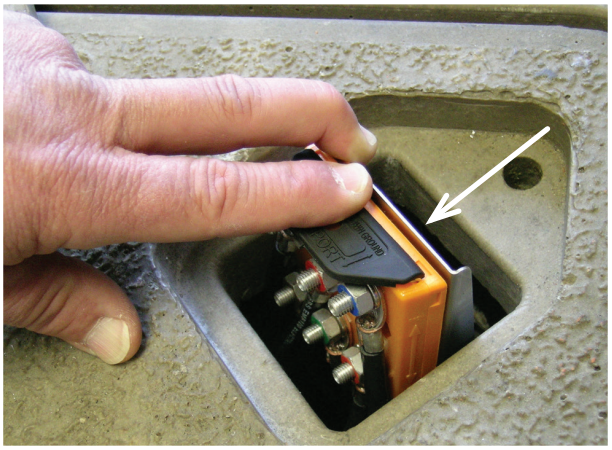
7 To operate the isolating teststation, place fingers under handle and pull up to isolate bonding harnesses from the grounding electrode. This isolates individual cables for a direct connection. This is the best and most accurate method of applying a signal to a target cable when locating in the field. Connecting the transmitter directly to the target cable isolates the signal and improves signal flow along the path of the cable.

Place alligator clip from the transmitter to the post for locating specific cables

The test station also allows for the use of a banana plug to be inserted into the post

8 To close: Place fingers on top of the handle to test station and press down firmly. The telescoping body and test station will slide down and stop approximately 2” from top of enclosure. This stop allows the handle to close and establish the ground connecting to bonding harnesses.

9 Move test station unit forward and down, securing the EZ Locate test station below the lid of the enclosure.



10 Reinstall the cover to access hatch and secure with bolt.

Notes:

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