

Cellular Antenna Installation Guide



Eastech Flow Controls

4250 South 76th East Ave.

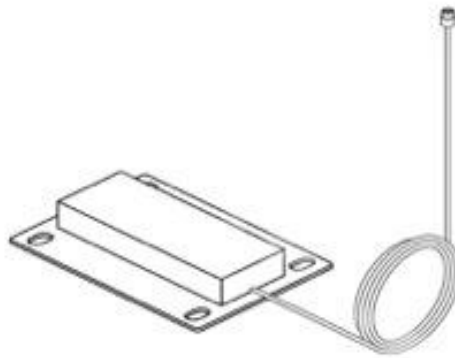
Tulsa, Oklahoma

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Installation

STEP 1

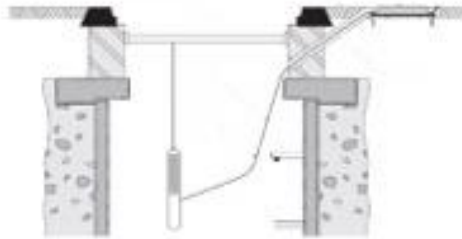
For installation within a manhole, prepare unit for in-road burial style antenna.



External In-Road Antenna

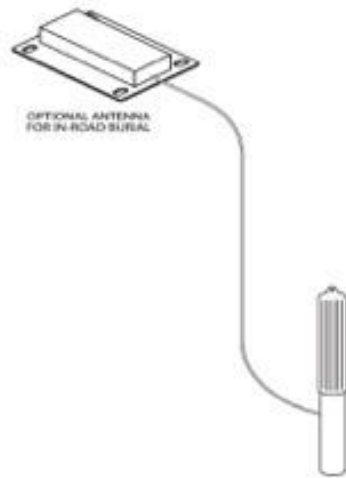
CUSTOMER SUPPLIED ITEMS

- A. Combination rotary hammer with both a rotary hammer and straight hammer function
- B. Flat chisel tip for rotary hammer
- C. Thru-hole drill bit for rotary hammer (5/8" x 24" or greater if required)
- D. Standard drill with 1/4" mason bit
- E. Ratchet wrench with 3/8" deep socket
- F. Cold patch compound for asphalt repair (standard at Home Depot)
- G. Rubberized driveway crack filler (Dalton Latex-ite: Available at Home Depot)



1. Remove manhole cover.
2. Visually inspect depth of steel manhole collar. Drill bit must be of sufficient length to clear bottom of steel collar.
3. Drill thru-hole from street to point beneath manhole collar at approximately a 45-degree angle.
4. With chisel tip, start at front of antenna hole and chip out a recess 8"x 9" x 1-1/4" deep making sure antenna hole is included within chipped out area.
5. Place antenna plate in recessed area. Use 3' level to align top of antenna with street level.
6. Place anchor location marks in the recessed area that correspond to the four holes in the antenna plate.
7. Remove antenna plate and drill four 1/4" x 3" deep holes at the anchor marks.
8. Snake antenna wire through manhole access hole making sure to remove all slack.
9. Using the rubberized crack filler, place two 1" wide beads on bottom of antenna plate.
10. Align antenna plate over drilled anchor holes within the chipped out street recess.
11. Secure the antenna plate into recess with the four Eastech provided Hilti Sleeve Anchors.
12. Using a 3/8" socket wrench, secure the Hilti anchor bolts (DO NOT OVERTIGHTEN).
13. Place a 1/2" wide bead of rubberized crack filler around the top perimeter of the metal antenna plate plus an additional 1/2" wide bead around the entire outside perimeter of plate.

14. Fill in the space around the antenna with cold patch material, leaving the grey epoxy face of the antenna exposed.
15. Lightly tamp the cold patch into all voids.
16. Attach antenna cable to antenna connector protruding from the exterior of the iTracker housing.



Connection of In-Road Antenna to iTracker

STEP 2

Follow instructions on PAGE 8 of the 'iTracker IOM CELL' Manual.