



The Subsite® Electronics BI beacon is designed for use with 3-in and 4-in pneumatic underground piercing tools. The BI can give location to:

- 10 ft (3 m) with 750/752 Tracker
- 10 ft (3 m) with 910R/950R receiver
- 10 ft (3 m) with 250R receiver

BI Beacon

Power

Operating frequency: 29 or 33 kHz

Batteries: four “AAA” alkaline

Battery life: 24-48 hours continuous use depending on battery quality

Miscellaneous

Operating temperature range:
32°F (0°C) to 140°F (60°C)

Storage temperature range:
-4°F (-20°C) to 176°F (80°C)

Operating weight:
5.8 oz (164 g)

FCC Statement

This equipment has been tested and found to comply with the limits for a Class B device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between equipment and receiver.
- Consult the dealer or an experienced radio technician for help.

Changes or modifications not expressly approved in writing by The Charles Machine Works, Inc. may void the user's authority to operate this equipment.

Install Battery



1. Unscrew bolt.
2. Remove battery cover.
3. Insert four "AAA" alkaline batteries as shown. Ensure negative ends of batteries touch springs.
4. Install battery cover.
5. Hand tighten bolt firmly.

Test Operation

Use a receiver or tracker to test beacon function before leaving for jobsite and after every battery change.

To test beacon function:

1. Turn on receiver or tracker.
2. Check for signs of beacon presence.

Install Beacon into Tool Housing

IMPORTANT: Read pneumatic tool operator's manual before using BI beacon to guide tool.

1. Check beacon operation before installing beacon into tool housing.
2. Remove end cap from nose of tool housing.
3. Place beacon into tool housing with battery cap end going in last. Do not force. If beacon does not go easily into place, clean any dirt or corrosion in tool housing.

IMPORTANT: The MOLETRAC housing is lined with a removable protective beacon sleeve. This sleeve must be used at all times.

4. Place isolator on top of battery cap.
5. Tighten end cap to nose of tool housing to at least 250 ft•lb (339 N•m).

Remove Beacon from Tool Housing

IMPORTANT: Remove beacon before mud in beacon chamber hardens and locks beacon into housing.

1. Remove end cap from nose of tool housing.
2. Remove isolator from end of beacon.
3. Remove beacon from housing.

IMPORTANT: If beacon will not come out, **do not use force**. Contact your Ditch Witch® dealer for advice.

4. Wash and lubricate tool housing.