



Type-C Electrodes - Installation

Description

The through hull penetration kit comprises a reference electrode, retaining pin and the through hull skin fitting.

The zinc electrodes used are highly resistant to fouling by marine organisms.

These electrodes are housed within the glass reinforced skin fitting that is in turn mounted through the hull.

The electrode housing is sealed into the skin fitting by a pair of o-rings and is retained by a pin that must be securely installed at all times.

The skin fitting protrudes very little from the hull surface so as to provide minimum resistance to water flow whilst being protected from accidental damage.

These zinc electrodes are highly resistant to fouling by marine organisms.

After installation the reading from a new zinc electrode may take a few hours to fully stabilize in seawater – this is perfectly normal.

Positioning the electrode

The electrode must be in contact with seawater at all times that the boat is operating.

The position of the electrode is not critical but should ideally be positioned approximately one third of the boat's length forward of the transom and at least 1 meter away from any sacrificial anodes or impressed current electrodes.

Installation with the boat out of the water.

- 1 Drill a 42mm hole in the required location below the waterline.
- 2 Remove the retaining pin, electrode and external nut from the skin fitting.
- 3 Insert the skin fitting through the hull from the outside and apply a liberal amount of marine grade sealant (such as Bostik "Seal 'N' Flex") to the mating surfaces.
- 4 Apply sealant to the first few threads of the skin fitting visible again the inside of the hull and screw the retaining nut onto the threaded stem of the skin fitting and tighten.
- 5 Ensure that the o-rings are lubricated with suitable silicon grease. Insert the electrode housing, leaving the attached wire inside the hull cavity, into the skin fitting from the inside being careful to line up the holes for the retaining pin.
- 6 Once the electrode is in place secure the retaining pin.
- 7 Connect the electrode wire to the appropriate terminal on the 'Sentry' corrosion monitor.
- 8 With the boat back in the water check for leaks and ensure that the Sentry is operating correctly. Note that after installation the reading from a new zinc electrode may take a few hours to fully stabilize in seawater.

Notes:

- 1 The electrode must never be greased, painted or treated with any anti-fouling agent.
- 2 After installation, the reading from a new zinc electrode may take a few hours to fully stabilize in seawater – this is perfectly normal.

