



LowPro™₃ Category II Beacon Bracket Installation Instructions

Compatible with ACR Electronics beacon model number RLB-36 & RLB-37.

The LowPro™₃ beacon bracket is designed to perform two functions for RLB-36 & RLB-37 beacons:

1. Provide a secure mounting location for the beacon.
2. Deactivate the beacon's water activation function.

BEFORE YOU BEGIN

Please read the following instructions in their entirety to be sure that you understand them before beginning the installation process.

SELECTING MOUNTING LOCATION

The selection of a mounting location will vary from vessel to vessel. Beacons should be protected from outside influences while being readily accessible at all times in the event of an emergency.

Category II brackets are designed to hold the beacon securely in place. The beacon must be manually deployed. The bracket can be mounted on a vertical flat surface with beacon antenna up or on a horizontal flat surface facing skyward. This location must be easily accessible in order to manually deploy the beacon or to perform the required maintenance and functionality tests. Typical locations include near the helm station or just inside the companionway door.

The location selected must be sufficiently rigid to support the weight of the total installation.

Hazards to avoid when selecting a mounting location:

- Vibration
- Exposure to the elements
- Possibility of impact from hatches, gear, or personnel
- Harmful vapors
- Exhaust
- Harsh chemicals
- Locations that can be obscured by foreign articles on a temporary or permanent basis.

Visually inspect the area surrounding the mounting bracket installation site for hidden hazards or obstacles that may have been overlooked during the location selection. If there is any doubt as to the ready accessibility to the beacon at all times or if any condition may appear to be questionable, conduct a complete and thorough investigation before final approval of the installation.

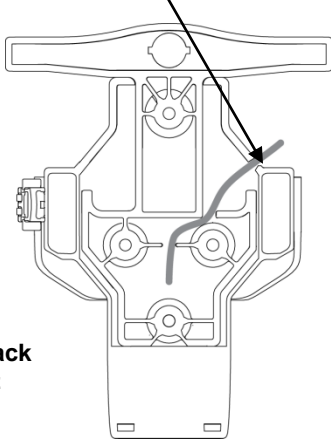


CAUTION: Category II brackets must be mounted in a protected location that is easily accessible should it be necessary to abandon ship. The LowPro™₃ can be mounted on a vertical surface with the beacon antenna pointed skyward or a horizontal surface with the beacon face up. Avoid mounting locations that subject the bracket to breaking waves. Avoid mounting locations that do not provide protection from harmful UV rays of the sun. The bracket must be mounted facing inboard to avoid being lost overboard due to impacts of breaking waves, personnel or loose gear.

NOTE: When selecting the beacon bracket location, be sure to consider the requirement for four screw holes to secure the bracket, plus one hole for the NMEA cable for connection between an external GPS and the beacon, if connecting the beacon to an external GPS receiver.

CAUTION: Keep this beacon a safe distance away from all magnetic sources. Magnet safe distance is 4.6ft (1.4m), including the distance from stereo speakers.

NMEA cable



View of back of bracket

INTERFACING THE GPS OPTICAL HEAD OF A BEACON TO AN EXTERNAL GPS RECEIVER

The NMEA interface cable should be routed through the hole in the upper right corner of the bracket, as viewed from the back of the bracket. Refer to the illustration. The owner must use the ACR supplied head and wires attached to it and splice it into the output cable supplied or bought for the GPS unit.

Use the following as guidelines for your external GPS settings:

- 1.) Set your GPS receiver at 4800 Baud and active sentence GPGLA.
- 2.) Make sure you set to NMEA 0183 (version 1.5 or above).
- 3.) Do not WAAS-enable your external GPS. See the ACR Electronics website, Frequently Asked Questions section, for a discussion about enabling versus disabling WAAS.

The positive data out of the GPS receiver must be spliced to the **black wire with white dashes** (positive data in) on the GPS interface cable received with the beacon. The ground out of the GPS receiver must be spliced to the **solid black wire** (ground) of the GPS interface cable that was included with the beacon.

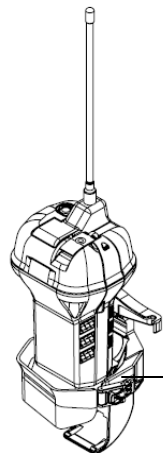
The green LED on the GPS interface optical head should start blinking intermittently if the GPS receiver is on and downloading positional data.

MOUNTING THE BRACKET

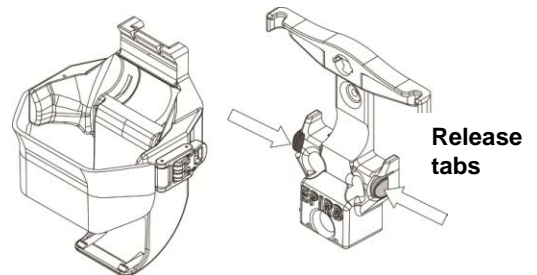
The LowPro₃TM Category II bracket has four pre-drilled screw holes to use for securing the bracket to a flat surface.

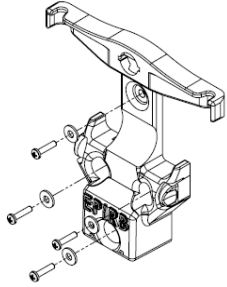
- 1.) Remove the beacon from the bracket. While holding the assembly, lift the white latch to release bracket strap pressure from the beacon. Slide the beacon up and out of the bracket.

Lift up



Open white latch





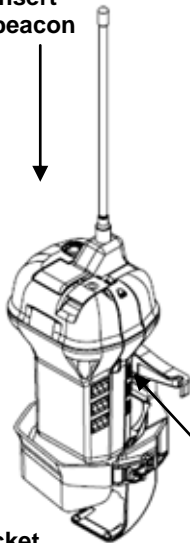
2.) Separate the two sections of the LowPro™₃ bracket. On either side of the bracket are release tabs. Simultaneously depress both tabs to separate the dark blue bracket from the white mounting block.

3.) Mark placement of the screw holes. The white mounting block can be held in place to mark the holes, or you can use the mounting template provided.

4.) Screw the white mounting block in place. Use a minimum of ½” long, pan head #8 stainless steel fasteners (not included). Use washers (not included). Be sure to confirm that screws will not contact any wires or plumbing before drilling pilot holes.

INSTALLING THE BEACON

Insert
beacon



Bracket
foot

Concave
area

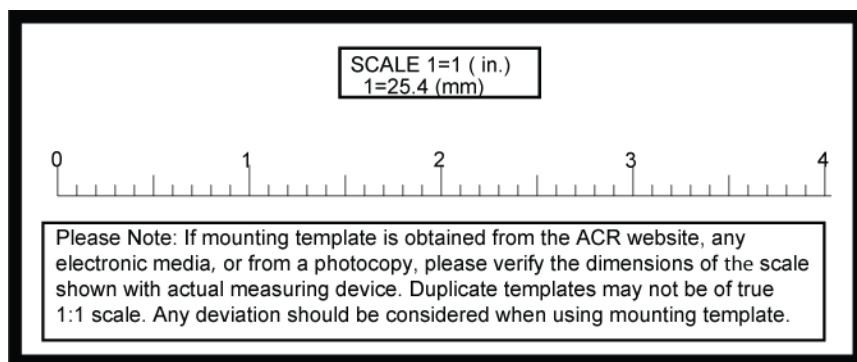
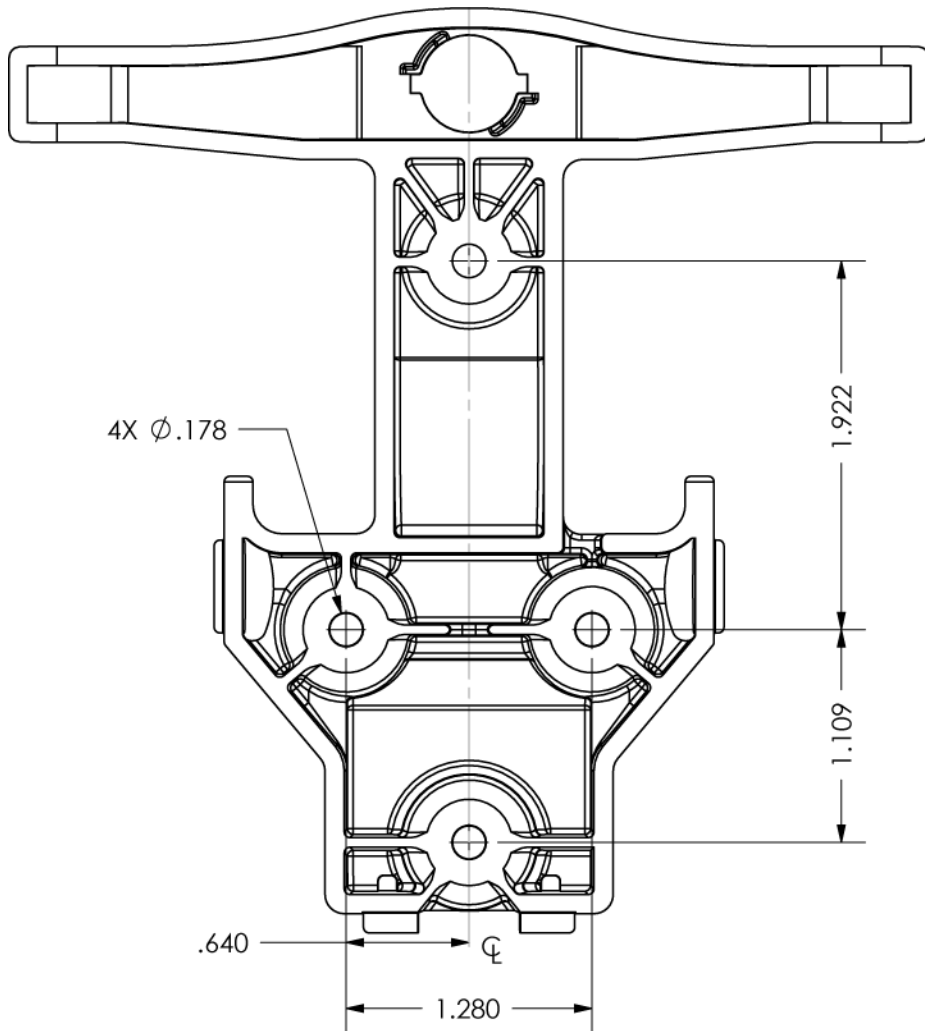
1.) If not already open, open the dark blue portion of the LowPro™₃ bracket by pulling the white latch away from the body of the bracket. This releases the bracket strap that secures the beacon in the bracket.

2.) Insert the beacon inside the blue bracket, lanyard inward. Confirm that the beacon is correctly seated in the bracket, then secure the beacon by closing the bracket strap by using the latch. The beacon is correctly seated when: a) the yellow lanyard roll faces the bracket and rests in the concave part of the bracket, and b) the two notches on the bottom of the beacon are resting in the two “prongs” on the foot of the bracket.

3.) Snap the beacon/blue bracket assembly onto the white mounting block.



CAUTION: Do not secure the beacon to the bracket or vessel with the lanyard. Only use lanyard after deployment.



LowPro™₃ Mounting Template