

SVS-603HR WAVE SENSOR MOUNT

INSTALLATION INSTRUCTIONS FOR XB-SERIES BUOYS



Figure 1: NexSens SVS-603HR Wave Sensor Assembly.

Overview

The SVS-603HR Wave Sensor is an augmented version of the highly accurate SVS-603 wave sensor that reports heading, wave height, wave period and wave direction via RS-232 or logs to its on-board data logger. The NexSens SVS-603HR wave sensor enclosure provides a waterproof housing that can mount directly onto an XB-Series Data Buoy.

What's Included

- (4) 8-32 x 1/2" Pan head screws
- (4) #8 Split lockwashers
- (1) Wave sensor w/ marinized enclosure
- (1) MCIL-6-FS to UW Plug
- (1) Installation Guide

Sensor Setup

Review the sensor integration guide for the SVS-603HR wave sensor on the NexSens Knowledge Base to prepare the sensor for programming:

- a. nexsens.com/sensorskb

Installation Instructions

- 1 Align the four openings on the wave sensor enclosure with the threaded holes on the buoy's power hub.
 - a. Using a Phillips-head screwdriver, secure the enclosure with the included pan-head screws and lockwashers.
 - b. Tighten only until the lockwashers are flat.

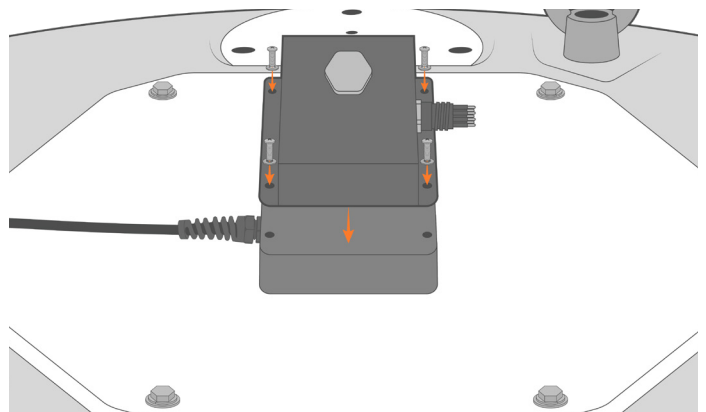


Figure 2: Install the sensor mount.

- 2 Connect the MCIL-6 cable to the MCIL port on the wave sensor enclosure, then connect the other end to the NexSens X-Series data logger.
 - a. It is recommended to apply a thin layer of silicone-based grease to the rubber portion of the MCIL connector to aid insertion.

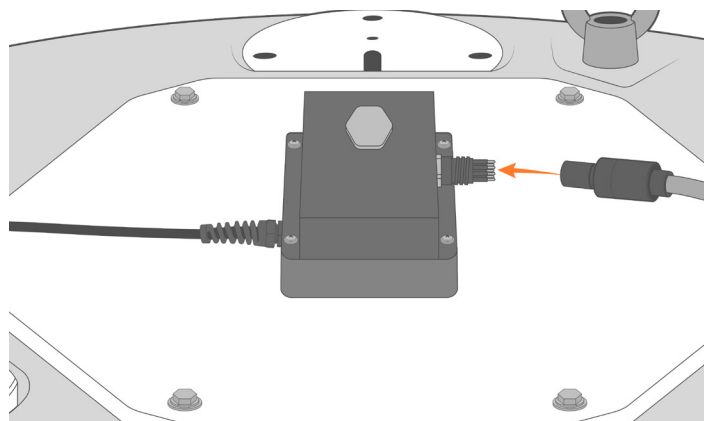


Figure 3: Connect the wave sensor to the data logger.