SDL500C Quick Start Guide

This guide will help you get started. Detailed instructions are available in the NexSens SDL500C manual.

Overview

The SDL500C is a cellular data logger enclosed in submersible housing. Communication via cellular telemetry is possible when an A49-SDL antenna is connected. The SDL500C features unique UW underwater communication and sensor connections which prevent fluid access. Five sensor ports are available for connection to industry-standard digital and analog interfaces.

Warning: The A49-SDL antenna is not submersible and cellular communication is not possible underwater.

What's Included

- SDL500C Submersible Data Logger
- (8) D-Cell Alkaline Batteries
- (1) Maintenance Kit

Powering the SDL500C

The SDL500C is powered internally with (8) D-Cell alkaline batteries.

1. Remove the battery lid using an Allen wrench for additional leverage if necessary.

2. Install the (8) D-Cell batteries according to the label on the communication bulkhead. The SDL500C is equipped with reverse polarity protection.

3. Thread the battery lid back onto the SDL. Use an Allen wrench for additional leverage to tighten it back down.

Warning: The battery lid incorporates two o-ring seals. These seals must be clean and lubricated for watertight integrity in submersible applications.

Connecting to the SDL500C

The SDL500C connects to the PC through cellular telemetry.

1. Power the SDL500C

2. Plug an antenna (A49-SDL sold separately) into the port on the communication bulkhead. Be sure the double O-ring seal is being made.

3. See Configuration below for adding the SDL500C to iChart.

Field Installation

The versatility of the SDL500C allows the user to design application specific deployment. Several options include bottom-deployment, pipe deployment, structure mounting, or use with NexSens data buoys.

1. All physical sensor connections must be made prior to deployment. Sensors not manufactured by NexSens require cable connectorization.

2. Check all ports for the double o-ring seal required for watertight integrity before submerging the SDL500C. Also, avoid cross threading of port plugs or cables with the SDL bulkheads.

Configuration

1. Ensure power is supplied to the data logger.

2. Add the SDL500C to an iChart project file.

To accomplish this: Follow the setup device wizard to add a site name, and then select **SDL-500C** from the list of NexSens data loggers. Enter the IP address, IP Port (leave at 500) and at the prompt and click **Test Connection** to check.

3. Add sensors in iChart by selecting the manufacturer and model number.

4. Continue the wizard and select the SDL500C to program at Step 6. Finish.

For more information see the online manual

www.nexsens.com/pdf/nexsens_sdl500C_manual.pdf