

Extend your data reach across the globe.

REMOTE TWO-WAY MONITORING DATA RELAY

The Nemo-S is a bidirectional ocean surface data relay designed for sea level platforms, ships, and autonomous surface vehicles. Operators can communicate with the Nemo-S via its integrated RS-232 port, as well as using our web application XeosOnline, which sends commands to the beacon over Iridium. Users can send commands to the Nemo-S to change GPS reporting rate, they can also relay commands to their vehicle to perform an activity of their choosing. The relay also functions as an asset recovery beacon by sending GPS locations via the Iridium network.

Xeos Nemo Relays are versatile, ruggedized data transmission platforms for command and control of all your remote sensor data. Quickly and easily integrated with your data collection device, the Nemo-S enables global data transmission in marine environments. Utilizing Iridium Short Burst Data communication, the Nemo-S transmits data as email or over IP.

Key Features

- Two-way communication anywhere in the world
- Remote near real-time data
- Remote configuration and control
- Output on command to external relay
- Wake on serial input
- Relay to relay communication
- Optional GPS for location or timing functions

The Nemo-S is backed by a fully comprehensive warranty and committed support. To arrange a demonstration or to learn more about our products, please contact us at the email or number below.



Xeos Technologies Inc **Data Telemetry Specialists**

Xeos Technologies Inc. Tel: 902.444.7650
36 Topple Drive Fax: 902.444.7651
Dartmouth, NS, Canada sales@xeostech.com
B3B 1L6 www.xeostech.com



NEMO-S

APPLICATIONS:

Surface vehicle communications

Meteorological buoy data relay

Serial relay capabilities to external device

Marine sensor data relay

NEMO-S	
Functionality	
<i>Base Function</i>	2-way Iridium Communication, Serial Data Relay
<i>Serial Programmable Function</i>	Serial ID, Repetition Period, Iridium & GPS Transmit Intervals, Serial Port Tx/Rx Messages
<i>GPS Receiver</i>	Xeos Technologies 48 Channel GPS, SiRFSTAR V
<i>Iridium Transceiver</i>	9603 Modem (SBD)
<i>Antenna</i>	Xeos Proprietary Antenna
<i>Power/Relay Controls</i>	RS232 Transmit & Receive
Electrical	
<i>Supply Voltage Range</i>	7-32V Nominal recommended
<i>Power Supply</i>	External power required
<i>Sleep Current</i>	2.5 mA
<i>Transmit Current (Iridium)</i> <i>*all currents are measured at 12 Volts.</i>	50 mA (30 s avg)
<i>GPS Acquisition</i>	15 mA (20 s avg)
Mechanical	
<i>Material</i>	Delrin
<i>Dimensions</i>	6.60 cm (2.6 in) H x 6.35 cm (2.5 in) diam
<i>Weight</i>	195 g (0.430 lbs)
Environmental	
<i>Operating Temperature</i>	-20° C to +60° C
<i>Depth Rating</i>	Sea level only – water resistant

*Specifications subject to change without notice

