
NAVIGATION ELECTRONICS
INTERIOR LIGHTING
FRESH WATER PUMP
BLACK WATER MAC. PUMP
GREY WATER MAC. PUMP
DECKWASH PUMP
WINCH
POWER
1013.1mb
12:35
25/06/2022
9h 30m
73
%
MANEUVERING
REFRIGERATOR
HYDRAULIC
AUX 1
AUX 2
AUX 3
AUX 4
USB

Nereide 2

A perfect solution for yachts

ALL-IN ONE DIGITAL SWITCHING SOLUTION
Combination of an advanced battery monitoring system, a control panel, and a power unit.

CUSTOM PRINTED STATIC BUTTONS
Inspired by the DAME Design Awards category winner Nereide 1, this beauty is the perfect choice for those who like to do things their own way.

INNOVATIVE DC UNIT
12V DC power distribution unit with 31 configurable outputs with manual override switches.

CLASSY DESIGN

An elegant combination of tactile buttons and a digital display.

The aluminum casing and optically bonded display give the control panel a high-end look that complement the interior of your boat or yacht.

The slightly raised and rounded buttons provide a comfortable feel when touched.

The front can be flush with the surface or only 5 mm above it.

Also the 12V distribution unit is one of a kind

It's sleek, compact and has a low profile.

It features an ultra durable circuit board with protective coating.

The robust aluminum base protects the circuit board and provides efficient passive cooling.

For easy access and extra protection for relays and fuses, we added protective covers that open without tools.

CUSTOMIZATION

Customize the printed labels next to the buttons and combine multiple functions under a single button.

We currently offer 3 predefined button configurations, but they shouldn't limit you. We know you're an adventurer looking for more in life. You're not for one-size-fits-all solutions.

Make your control panel unique and let it serve your needs and habits.

Get in touch with us and let us know your configuration preferences. Email us at sales@simarine.net.

Ultra low power consumption

The distribution unit uses only 10 mA, while the panel consumes 30 mA when switched off with the logger active.

Nereide 2 can be placed between the main battery and the main switch. The beauty of this is that it won't drain your battery if you don't sail for a while.

Even in this low power mode, the system offers comprehensive remote monitoring and management functions.

As seen on HanseYachts

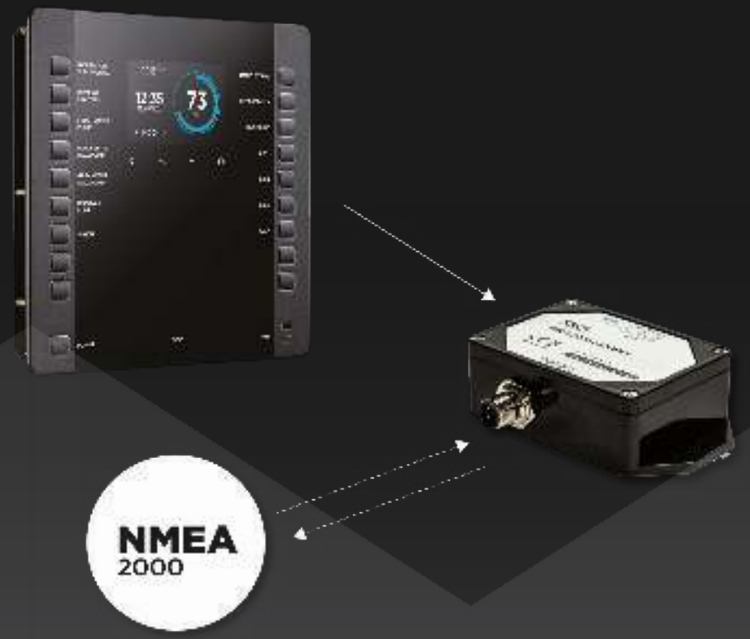
We are honored that our Nereide 2 complements the yacht's interior of one of the world's most praised yacht manufacturers, HanseYachts AG.

You can find the Nereide 2 in Hanse, Dehler and Fjord yachts.

Dehler

FJORD be unique

Hanse



NMEA 2000 compatible system

Control your appliances directly from the plotter.

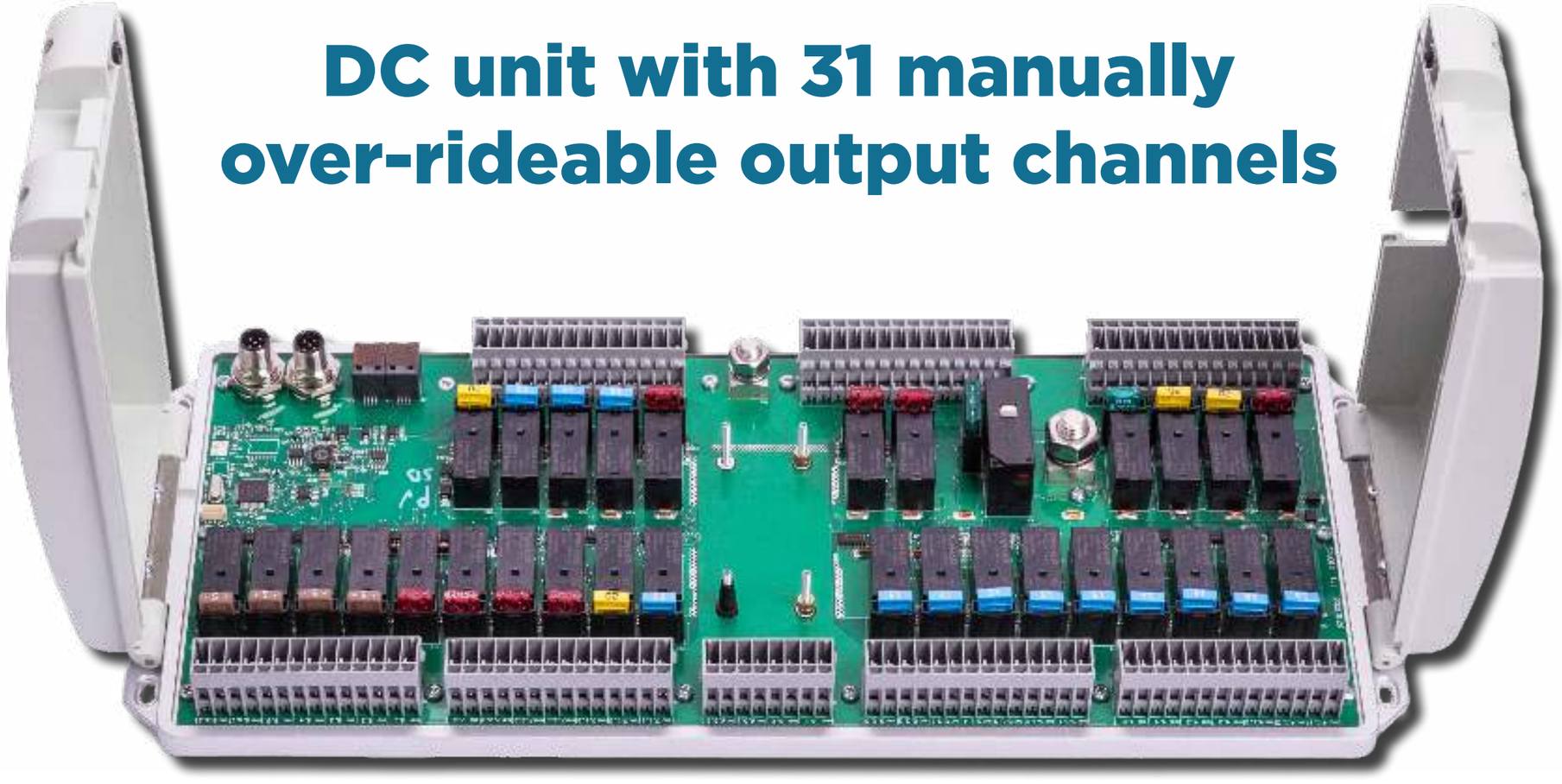
Nereide 2 digital switching system is compatible with the NMEA protocol to ease the control of your yacht.

PICO battery monitoring system built-in

The Nereide 2 offers everything the Pico monitoring system delivers:

Battery, tank and temperature monitoring as well as air pressure measurement.

DC unit with 31 manually over-rideable output channels



DC power distribution unit. It features 30 inputs with a current rating of up to 20 amps and 1 input with a current rating of up to 30 amps.

All-together, the unit is rated for a maximum current of 200 amps.

To protect your consumers standard automotive mini-fuses are used and are easily replacepable.

Any kind of error, for example blown fuse, stuck relay or lack of supply voltage will be indicated on the corresponding button on the control panel.

CONTROL PANEL ALSO FEATURES

01 Tank and voltage module (8 resistance and 7 voltage inputs)

02 Error indication with red color around the respective button

03 Momentary toggle button mode

04 Compatibility with all SiCom modules

05 Optional integration of remote battery switch control with feedback and bilge pump control

06 Navigational lights display

07 Front mount installation

08 Automatic illumination

With care for the earth in mind

Aluminum & Glass.

That’s all you’ll see when looking at the control panel.

SIMARINE

Wiring and installation made easy

For you to install the unit quickly and easily we chose wiring via standard WAGO® connectors. DC unit and the control panel are connected over a single SiCAN cable.

The Nereide 2 control panel is separate from the power unit. This makes it eWven easier

NEREIDE 2

CONTROL PANEL

OPERATING	
Power source voltage range	6 - 35 VDC
Temperature range	From -20 up to +70°C (-4 up to 158°F)
POWER CONSUMPTION AT 12V	
Normal operation mode: 100	200 mA
Low power with bilge LED active	40 mA
Low power with bilge LED inactive	30 mA
RESOLUTION	
Current (A)	±0,1 A (1%)
Voltage (V)	±0,1 V (1%)
RANGE	
Voltage inputs	0 - 75 VDC
Ohmmeter	0 - 65 kOhm
WI-FI	
Radio Frequency Bands	2,4 GHz
DIMENSIONS WITH CONNECTOR	
Nereide 3 - Control Panel	210 x 210 x 40 mm
CONNECTIVITY	
Batteries	6
Shunts	24
Temperature Sensors	10
Tank level sensors	14
Inclinometer sensors	2
SPU 303	10
SWITCHES	
Switches (left & right side)	18 + 1 (power) = 19
OUTPUT	**POWER CONSUMPTION AT 5V**
2x USB 3.0 (charger)	0,7A

TECHTALK

SPU-303

DC POWER DISTRIBUTION UNIT

OPERATING	
SPU-303	12 VDC
Temperature range	From -20 up to +70°C (-4 up to 158°F)
POWER CONSUMPTION AT 12V	
SiCAN	10 mA
SWITCHING CHANNELS	**MAXIMUM CURRENT**
30x Switch channel with standard mini fuse - maual relay override	20 A
1x Power channel (Main switch ON/OFF)	30 A
All channels combined (max current)	200 A
CONNECTIVITY	Up to
SiCAN	1
DIMENSIONS	410 x 169 x 40 mm

SRB-530

REMOTE SWITCH AND BILGE PUMP EXTENSION MODULE

OPERATING	
SRB530	12 V DC
Bilge pumps	12 V DC
Remote switches	12 V DC
Temperature range	-20 - +70 °C
POWER CONSUMTION AT 12 V	
SRB530	10 mA
CHANNELS	
Remote switch	5x
Bilge pump	3x
MAXIMUM CURRENT	
Remote switch	8 A
Bilge pump	20 A
ADDITIONAL CONNECTIVITY	Up to
SiCAN	1
SiCOM	2
DIMENSIONS	
SRB530	180 x 81 x 40 mm

SAC-15R

AC POWER DISTRIBUTION UNIT WITH MOTORISED CIRCUIT BREAKERS

CONNECTIVITY	
Supported bus	**SiCAN**
Controlled by	**Nereide 2 & 3 control panel**
POWER SUPPLY SPECIFICATION	
Power supply voltage	**12 V DC**
Normal operating current consumption at 12 V DC	**15 mA**
Idle current consumption from AC source	**< 50 mA**
AC DISTRIBUTION	
Supported voltage	**230 V AC (± 10 %)**
Number of inputs	**2 - (e.g., shore and inverter)**
Number of output channels	**3**
Expansion output	**1**
Max. Source input current	**32 A**
Max. Output current per channel	**16 A**
MCB protected output channels	**Yes**
Integrated RCBO	**Yes**
Remote switching of outputs	**Yes**
Remote switching of RCBO	**Yes**
Remote switching of MCB	**Yes**
Remote switching source	**Yes**
Manual override of output	**Yes**
MEASUREMENT	
Input current	**± 0.1 A**
Input voltage	**± 0.1 A**
DIMENSIONS	
Lenght x width x height	**280 x 340 x 130 mm**

Remote management with Sentinel Marine BM-40 and BM-50

Plug and Play compatible with the renowned Remote Management System by Sentinel Marine

TECHTALK

STP-06

NAVIGATION LIGHTS MODULE

OPERATING	
Voltage range	**8 - 35 VDC**
Temperature range	**-20°C - 70°C (-4°F - 158°F)**
POWER CONSUMPTION AT 12V	
Operating	**5 mA**
MONITORING	
6 Independent monitoring channel for lights	
Voltage range	**35 VDC**
Max. current per channel	**5 A**
Minimal current detection	**10 mA**
VOLTAGE MEASURING (U1, U2, U3)	
Accuracy	**± 0,3 %**
Resolution	**1 mV**
Sampling rate	**100 ms**
RESISTANCE INPUTS (R1, R2, R3, R4)	
Range	**0 - 65 kOhm**
Accuracy	**± 3 %**
DIMENSIONS (LENGHT X WIDTH X HEIGHT)	**141 x 99 x 40 mm**
CONNECTIVITY	**SiCOM**

The STP06 is a specialized module for monitoring navigation lights on vessels. It's part of Simarine's modular marine monitoring ecosystem, compatible with the Nereide2 system and communicates via the SiCOM interface.

Core Functions
- Monitors 6 separate navigation light channels
- Detects bulb status: ON, OFF, or FAILURE (blown bulb)
- Reports errors to the Simarine PICO system
- Triggers alarms when a fault is detected

User Interface
- Errors and light statuses appear on the PICO screen in a dedicated navigation lights menu.
- Lights like tricolor or anchor light are monitored individually.

The STP06 is ideal for marine safety and compliance:
- Ensures critical navigation lights are operational
- Detects faulty or disconnected bulbs
- Centralizes alerts through Nereide2 displays
- Alarm notification is triggered automatically for failed lights.

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photo by: Jacob Riglin

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