

NAVIGATION
ELECTRONICS

▼ 1013.1 mb

INTERIOR
LIGHTING

12:35

25/06/2022

FRESH WATER
PUMP

⚡ 9h 30m ▲

BLACK WATER
MAC. PUMP

◀ ▲ ▼ ○

GREY WATER
MAC. PUMP

MANEUVERING

REFRIGERATOR

HYDRAULIC

AUX 1

AUX 2

AUX 3

AUX 4

DECKWASH
PUMP

WINCH

POWER



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 complements 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



MANEUVERING

REFRIGERATOR

HYDRAULIC

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.





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.

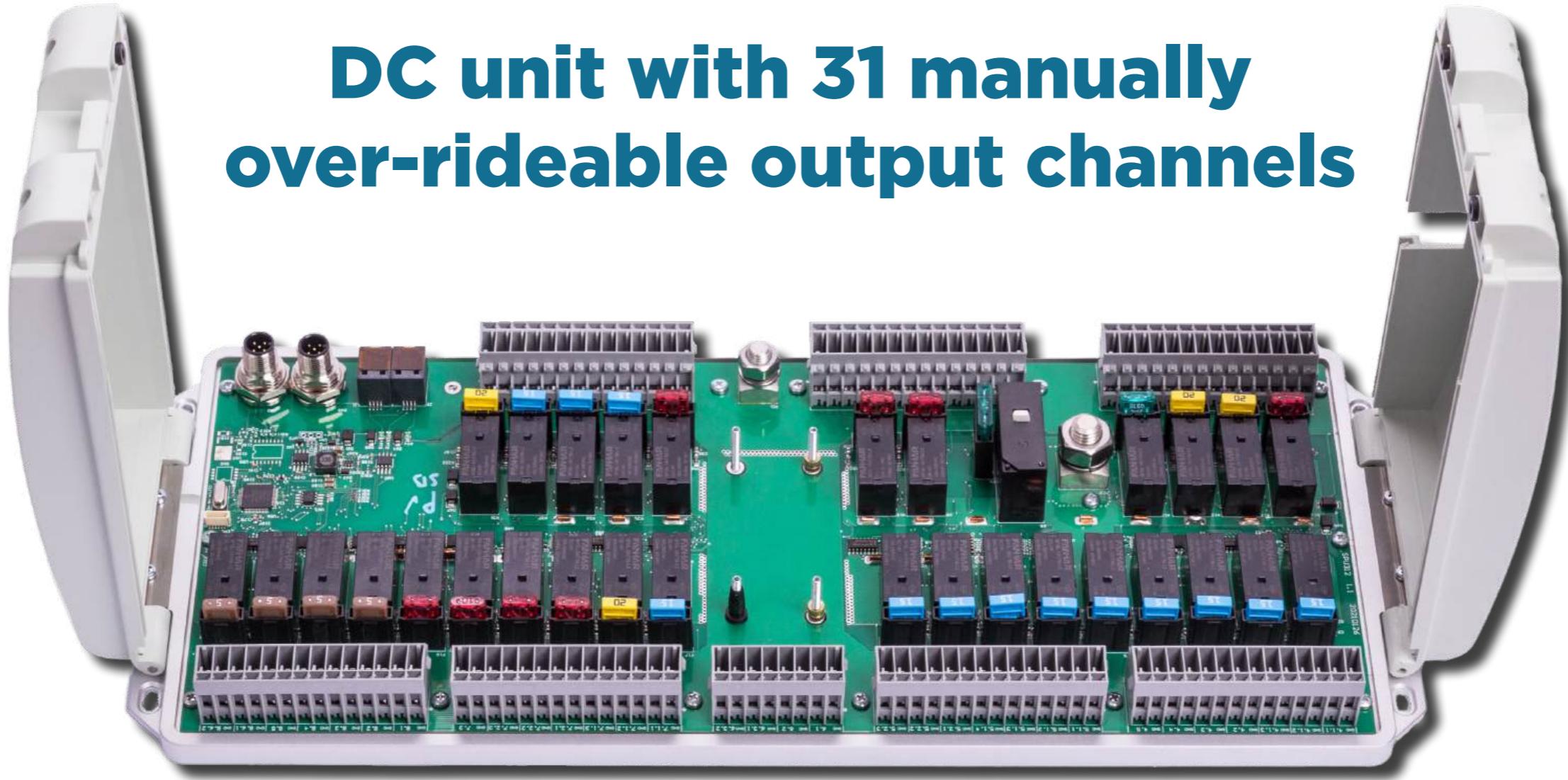
PICO battery monitoring system built-in

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.

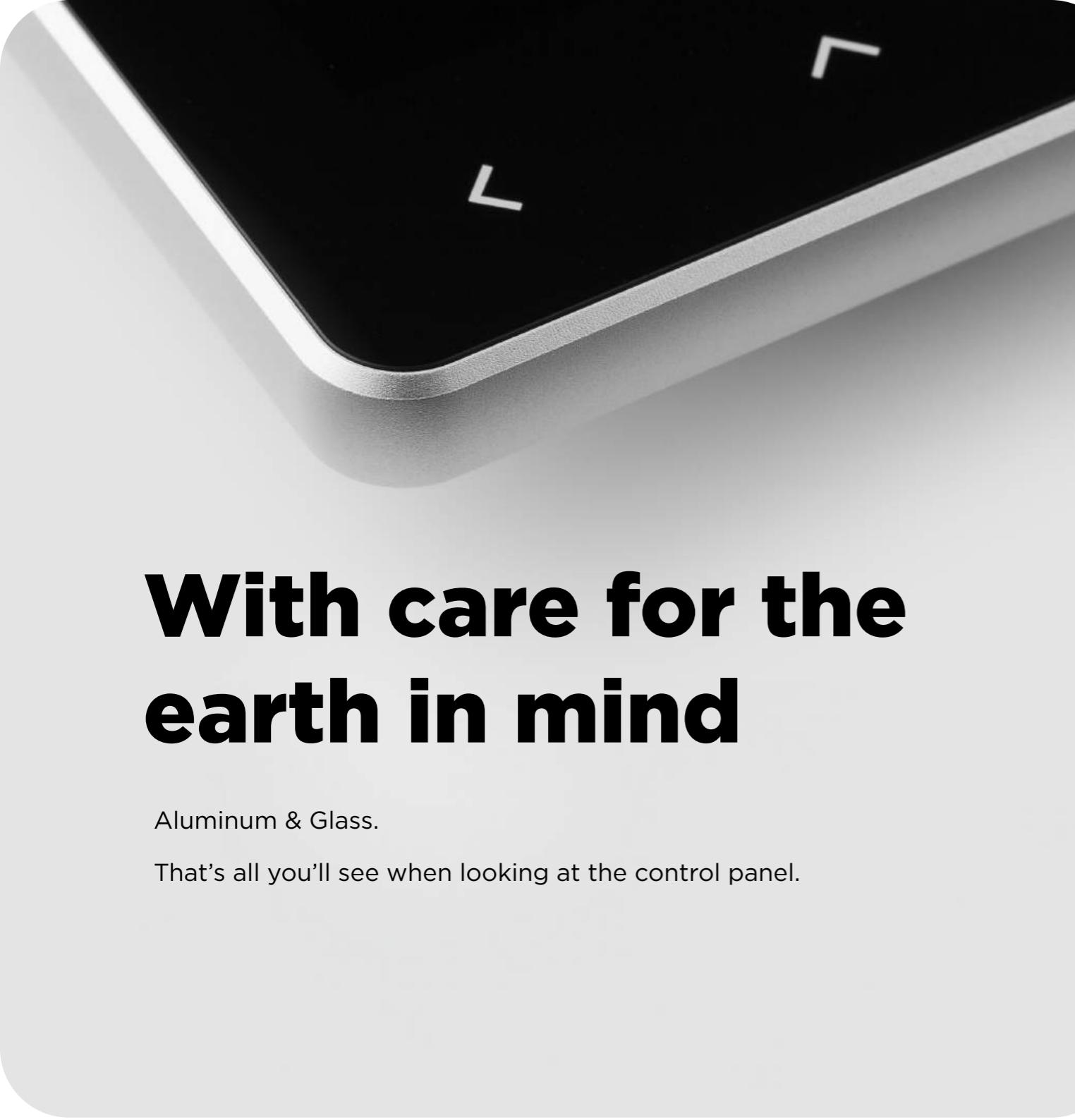
To protect your consumers standard automotive mini-fuses are used and are easily replaceable.

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

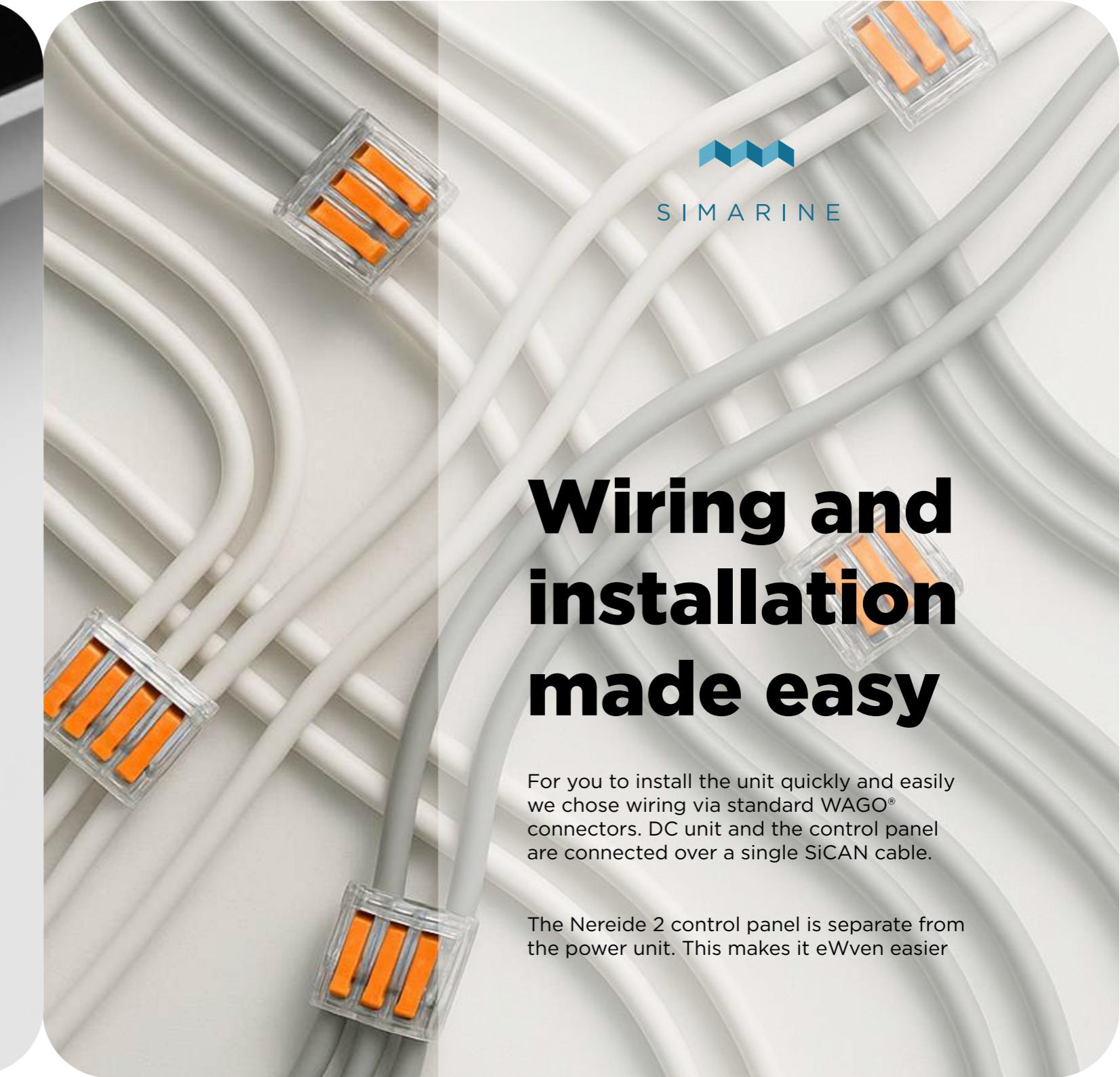
- 01** Tank and voltage module (8 resistance and 7 voltage inputs)
- 02** Error indication with red color around the respective button
- 03** Momentary toggle button mode
- 04** Compatibility with all SiCom modules
- 05** Optional integration of remote battery switch control with feedback and bilge pump 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 even 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
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DIMENSIONS WITH CONNECTOR

Nereide 3 - Control Panel	210 x 210 x 40 mm
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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
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OUTPUT

2x USB 3.0 (charger)	0,7A
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POWER CONSUMPTION AT 5V

TECH TALK

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
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SWITCHING CHANNELS	MAXIMUM CURRENT
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30x Switch channel with standard	
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mini fuse - manual relay override	20 A
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1x Power channel (Main switch ON/OFF)	30 A
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All channels combined (max current)	200 A
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CONNECTIVITY	Up to
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SiCAN	1
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DIMENSIONS	410 x 169 x 40 mm
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SRB-530

REMOTE SWITCH AND BILGE PUMP EXTENSION MODULE

OPERATING

SRB530	12 V DC
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Bilge pumps	12 V DC
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Remote switches	12 V DC
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Temperature range	-20 - +70 °C
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POWER CONSUMPTION AT 12 V	
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SRB530	10 mA
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CHANNELS	
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Remote switch	5x
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Bilge pump	3x
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MAXIMUM CURRENT	
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Remote switch	8 A
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Bilge pump	20 A
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ADDITIONAL CONNECTIVITY	Up to
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SiCAN	1
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SiCOM	2
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DIMENSIONS	
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SRB530	180 x 81 x 40 mm
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SAC-15R

AC POWER DISTRIBUTION UNIT WITH MOTORIZED 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
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Remote management with Sentinel Marine BM-40 and BM-50

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



TECH TALK



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
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MONITORING

6 Independent monitoring channel for lights

Voltage range	35 VDC
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Max. current per channel	5 A
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Minimal current detection	10 mA
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VOLTAGE MEASURING (U1, U2, U3)

Accuracy	± 0,3 %
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Resolution	1 mV
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Sampling rate	100 ms
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RESISTANCE INPUTS (R1, R2, R3, R4)

Range	0 - 65 kOhm
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Accuracy	± 3 %
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DIMENSIONS (LENGTH X WIDTH X HEIGHT)

141 x 99 x 40 mm	SiCOM
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CONNECTIVITY

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.



SIMARINE



photo by: Jacob Riglin



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