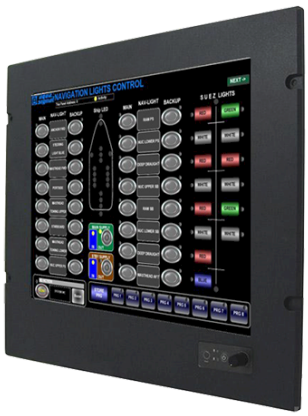
Glamox

aqua signal

LED Navigation light panel

Control touch panel for navigation and signal lights



CE DNV IMO IP22

Description

The Control Touch Panel consists of a control unit and switch and a monitoring unit.

Control unit (frontplate) consisting of aluminium plate with printed foil, standard colour black (other colours upon request), with up to 48 switches for lights and up to 4 freely programmable settings for example “Sailing” or “At Anchor”. With coloured diodes in the ship / Mast symbol which are illuminated when the respective light is switched on. With visual and acoustic alarms. With alarm acknowledgment and alarm test, indication LEDs are dimmable.

Switch and monitoring unit is mounted on a plate which has to be accommodated in a steel box. It contains the ralay cards, power supply unit, melting fuses or circuit breakers and terminal rails. In case of control unit failure the lights can be switched by hand in the switch and monitoring unit.

With BUS interface connection to external systems for uni- or bidirectional data transfer (RS485, RS232, Ethernet via http (Web Server) or Modbus TCP). DNV-GL certified touch panel PC can be also connected.

We prefer the following certified touch panel PCs:
WinMate R10ID3S-MRM2-TS
WinMate R12ID3S-MRM2-TS
WinMate R15ID3S-MRM2-TS

Technical specifications

Remarks
ASC Nav light controller with following specifications: switch and control up to 48 navigation and signalling lightswith melting fuses or circuit breakerswith ship symbol and coloured diodes representing the ship´s lightswith visible and acoustic alarmswith BUS connection RS485with alarm test and alarm acknowledgment with 3 external alarm contacts (lantern failure, lantern feed failure, panel feeding failure)alarms can be acknowledge externallywith up to 4 freely programmable settings

Options

For MSC requirements different type of Interfaces are available to connect the ASC to external systems for uni- or bidirectional data transfer. All interfaces offer galvanic isolation and controlled data transmission prevent both electrical problems as well as data collisions Transferrate: 4800Baud, 8N1 in VDR (Voyage Data Recorder, monitor function, unidirectional) , each change of state is transmitted for each circuit (switching state and error messages upon light and voltage failure) in the external monitoring mode, the system can be both monitored and remote controlled. Variantsof Interfaces: - RS485 - RS232 - USB - Ethernet

Control Unit

Switches with control function: Frontplate consisting of aluminium plate with printed foil, standard colour black - other colours upon request, with up to 4 freely programmable settings, for example “Sailing” or “At Anchor”. With coloured diodes in the ship / mast symbol which are illuminated when the respective light is switched on. With visual and acoustic alarms. With alarm acknowledgment and alarm test, indication LED s are dimmable.

Switch an monitoring unit

On mounting plate which has to be accommodated in a steel box. It contains the relay cards, power supply unit, melting fuses/or circuit breakers and terminal rails. In case of control unit failure the lights can be switched by hand in the switch and monitoring unit Measurements: For 16 + 16 + 16 circuits: Width 750 mm Height 900 mm Depth 122 mm For 16 + 16 circuits: Width 750 mm Height 600 mm Depth 122 mm For 8 + 8 circuits: Width 485 mm Height 600 mm

Approvals

Germanischer Lloyd, Bureau Veritas, Russian Maritime Register of Shipping - others pending. Remark: BV and ABS certification are on request and with additional cost.

Electrical specification

24 VDC , 230 VAC /115 VAC ± 10% - 50/60 Hz

Special features

With Bus interfaces connection to external systems for uni- or bidirectional data transfer (RS485, RS232, USB or Ethernet) Frontplate: 3 standard sizes special designed frontplate also available

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Images