Glamox

NL95 - Navigation Light Control

24V DC | 115V - 230V AC | CRS | DNV

Description

NL95 is a programmable control and monitoring system for navigation and signal lights. Built-in software allows easy programming of lights configuration in main unit itself without requirement of external devices. A modular and scalable design makes it suitable for all ships / vessels types and sizes, with remote control feature it is possible to integrate it with ship control system. The complete unit contains of a main display with touch panel for flush mounting, input modules for lanterns connection and power supply unit for installation inside of bridge console or in technical room. The NL95 main unit is equipped with touch screen display, and runs a user-friendly and easy-to-use operating system. It is available in 230 V AC, 115 V AC, or 24 V DC versions depending on vessel main power supply. All versions have dual power supply input modules (main and spare) with automatic change-over function. NL95 continuously monitors status of lights that are switched on and light's circuitry by checking current consumption for each individual connected navigational light or signal light. If current drops below threshold, the alarm is activated and system automatically switches to spare light (if exists), however this provides more safety. Each light input is protected by double pole fuse. Input modules are equipped with manual override activation feature which allows operation even in case of electronic failure. NL95, in maximum configuration, controls up to 80 lights, i.e 30 double lights and 20 single or up to 50 single lights. NL95 is tested and compatible with standard bulbs and Glamox / aqua signal LED navigation lights Series 60, 61, 65, 75, 66N(D) MIL,75 and 76N(D). In addition, NL95 is Bureau Veritas, CRS, and DNV-GL certified.

Technical specifications

Electrical specification
230 V AC or 115 V AC or 24 V DC , depending on version connection, main and emergency power supply with automatic change-over, automatic supply change-over signalling.

Approvals
DNV-GL, BV and CRS

Maximal / Possible Configuration
Maximum number of lights: 80 (in configuration 30 double lights and 20 single lights) Up to 5 input modules (in total) can be installed Up to 3 pcs. of ITNL-10-D (double lights) Up to 5 pcs. of ITNL-10-S (single lights) ITNL-10-D and ITNL-10-S can be combined in the same system

Authorized Distributor:
Pacific Marine & Industrial
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The Company reserves the right to change any product specifications without prior notification.

Lights' Power Range
4-100 W (230 V AC) 4-65 W (115 V AC) 4-40 W (24 V DC) Flashing lights are allowed

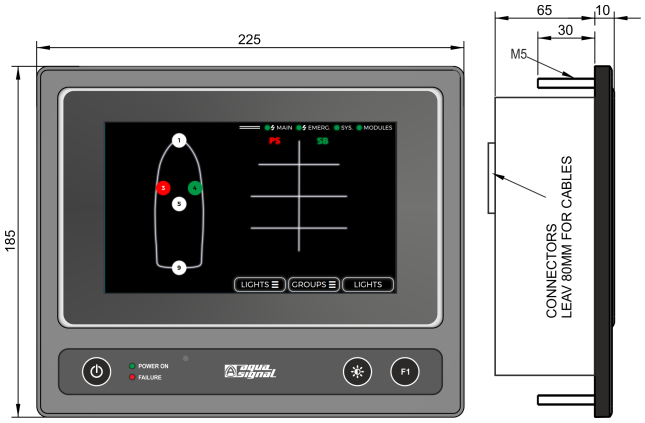
Input Modules Power Range
800 W (230 V AC) 430 W (24 V DC)

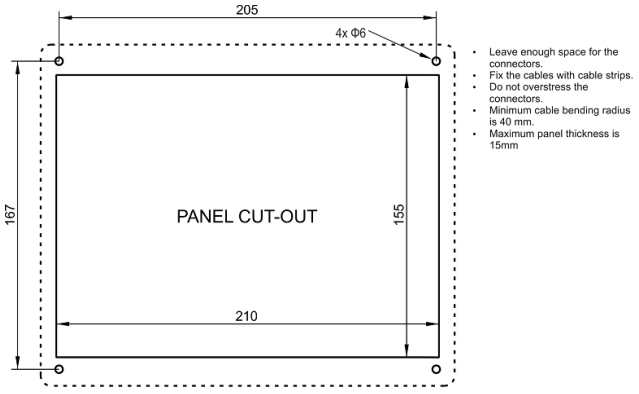
Lights' Fuses
5×20mm, each pole, mounted on input modules

Lights' configuration and condition
Presented on 7" TFT touch display

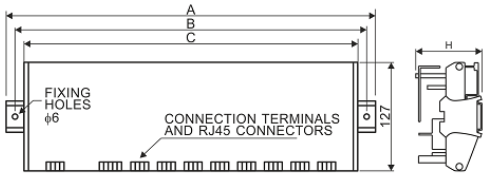
Lights' switch on/off mode
Using groups for switch on, touching light's icon for toggle between on and off, and switch off all using "ALL OFF" button

Illustrations



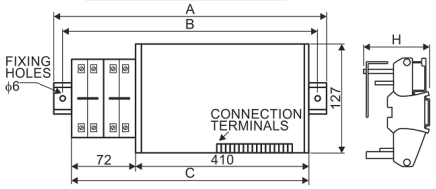


INPUT MODULES



MODULE	CODE	A (mm)	B (mm)	C (mm)	H (mm)	WEIGHT (kg)
230 V AC (115 V AC) Input modules						
ITNL-10-D-230	02-04-215	525	505	470	75	1,2
ITNL-5-D-230	02-04-219	350	325	275	75	0,7
ITNL-10-S-230	02-04-216	425	405	365	75	1,0
ITNL-13-S-230	02-04-220	525	505	445	75	1,1
24 V DC Input modules						
ITNL-10-D-24	02-04-217	550	530	500	93	2,0
ITNL-5-D-24	02-04-221	375	350	305	93	0,7
ITNL-10-S-24	02-04-218	450	435	410	93	1,2
ITNL-13-S-24	02-04-222	550	530	500	93	1,1

POWER SUPPLY MODULE



MODULE	CODE	A (mm)	B (mm)	C (mm)	H (mm)	WEIGHT (kg)
ITNSLP-01P, 230 V AC	02-04-212	525	505	482	93	2,4
ITNSLP-01P, 115 V AC	02-04-213	525	505	482	93	2,4
ITNSLP-01P, 24VDC	02-04-214	525	505	482	93	2

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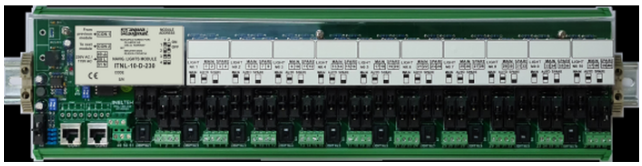
Images



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