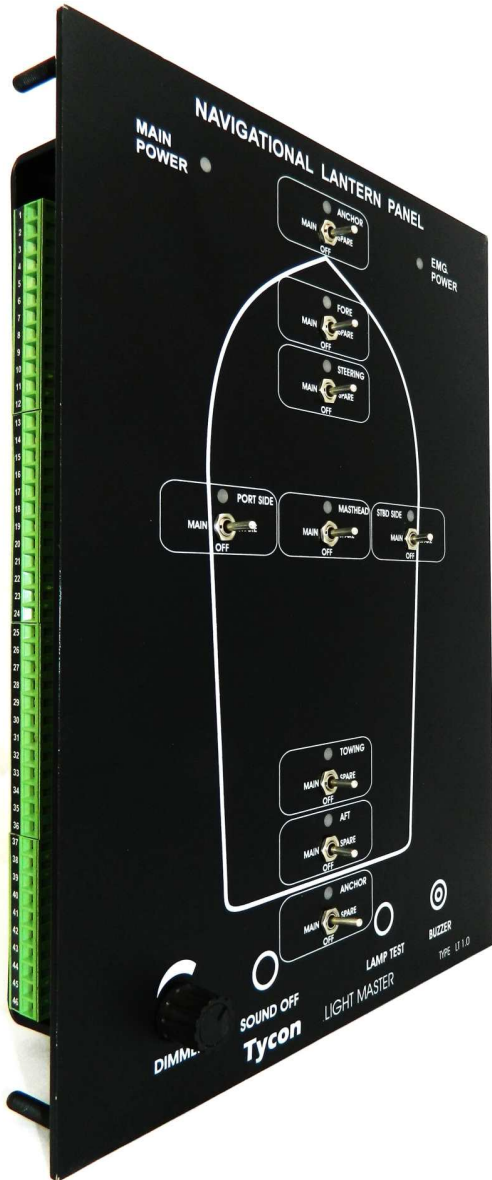


NAVIGATION LANTERN CONTROLLER

DOUBLE LIGHT BULB OUT



BENEFITS

- * EASY TO INSTALL
- * FLUSH MOUNTING TO DESK OR CABINET
- * DOUBLE OUTPUT FOR ALL LANTERNS (SPARE LIGHT BULB)
- * SUITABLE FOR ALL KIND OF SHIPS
- * ALARM AT BULB FAILURE OR BROKEN LINE
- * ALARM AT FUSE BLOW AND POWER FAILURE
- * VISUAL AND AUDIBLE ALARM ON ALL FAILURE
- * TEST FUNCTION FOR LEDS AND BUZZER
- * DIMMING FUNCTION FOR INDICATORS
- * DRY ALARM CONTACT OUT TO CENTRAL ALARM
- * MAIN AND EMERG. POWER INPUT
- * 1 YEAR WARRANTY

NAVIGATION LANTERN CONTROLLER Designed and manufactured to comply with IMO RESOLUTION MSC.253(83)

TECHNICAL DATA

MATERIAL	: ALUMINIUM , BLACK COLORED
POWER INPUT MAIN	: 220 VAC
POWER INPUT EMG.	: 220 VAC
OUTPUT POWER	: 585 WATT AT 9 LANTERN
LOAD TYPE	: 220 VAC / 65W NAV. LIGHTBULB
POWER CONS. ON STBY	: 10 WATT
PROTECTION	: 4 AMP. RAPID FUSE 5X20 mm

DIMENSIONS(WxHxD)	: 210mm X 297mm X 90mm
WEIGHT	: 1,88 KG
CUT OUT	: 275mm X 180mm

MARINE CONTROL TECHNIC

www.marinecontroltechnic.com

NAVIGATION LANTERN CONTROLLER

DOUBLE LIGHT BULB OUT



BENEFITS

- * CONTAINS NO SPECIAL RELAY
- * ADVANCED PCB DESIGN
- * ADVANCED PROTECTION AGAINST PCB DAMAGE AT BULB SHORT CIRCUIT
- * SINE WAVE (PURE) INVERTER SUPPLY INPUT
- * MAINTENANCE FREE DESIGN
- * WELL STOCK AT ANY TIME
- * DIRECT CONNECTION TO LIGHT BULBS ON OWN TERMINAL
- * SLIM BODY / NO NEED MORE SPACE ON DESK
- * DIMMING FUNCTION FOR INDICATORS
- * PREVENT LIGHT DIMMING AT ALARM
- * AUTO TRANSFER TO EMG. SUPPLY AT MAINS FAILURE

NAVIGATION LANTERN CONTROLLER Designed and manufactured to comply with IMO RESOLUTION MSC.253(83)

TECHNICAL DATA

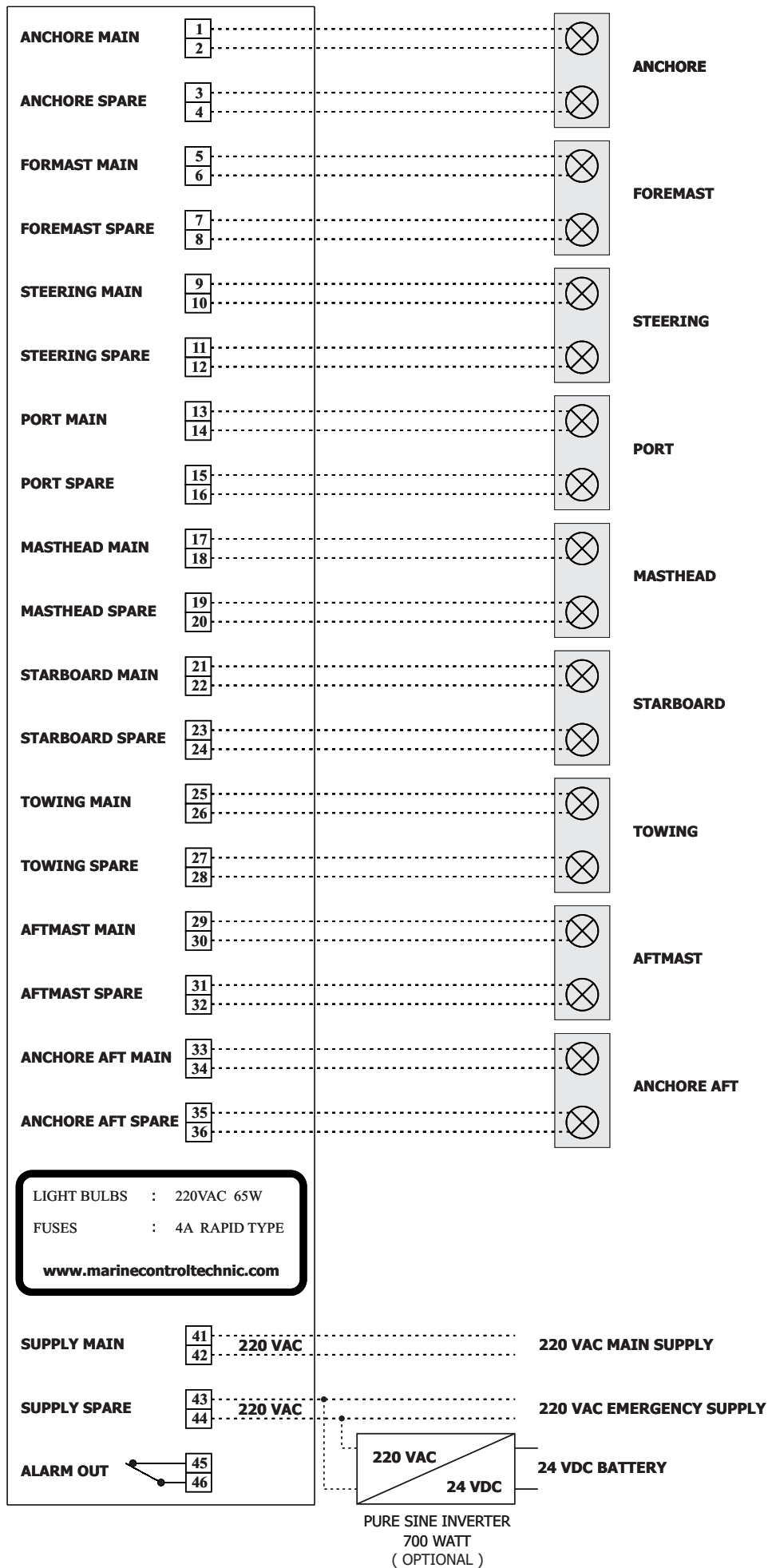
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WIRING DIAGRAM



ADOPTION OF THE PERFORMANCE STANDARDS FOR NAVIGATION LIGHTS,
NAVIGATION LIGHT CONTROLLERS AND ASSOCIATED EQUIPMENT

THE MARITIME SAFETY COMMITTEE,

RECALLING Article 28(b) of the Convention on the International Maritime Organization concerning the functions of the Committee,

RECALLING ALSO resolution A.886(21), by which the Assembly resolved that the function of adopting performance standards and technical specifications, as well as amendments thereto shall be performed by the Maritime Safety Committee and/or the Marine Environment

Protection Committee, as appropriate, on behalf of the Organization,
RECALLING FURTHER Rule 21, Rule 23 and Rule 34(b) of the Convention on the International Regulations for Preventing Collisions at sea (COLREGs), 1972, concerning the requirements on the use of Navigation Lights,

NOTING that the purpose of Navigation Lights is to identify ships and to notify their intentions at sea and that the purpose of Navigation Light Controllers is to provide means of control and monitoring of the status of navigation lights onboard the vessel to the Officer of the Watch (OOW),

RECOGNIZING the need to develop performance standards for Navigation Lights, Navigation Light Controllers and associated equipment to be fitted onboard vessels in accordance with COLREGs,

HAVING CONSIDERED the recommendation made by the Sub-Committee on Safety of Navigation at its fifty-third session, and the Maritime Safety Committee at its eighty-third session,

1. ADOPTS the Recommendation on Performance Standards for Navigation Lights, Navigation Light Controllers and associated equipment, set out in the annex to the present resolution;

2. RECOMMENDS Governments ensure that Navigation Lights, Navigation Light Controllers and associated equipment installed on or after 1 January 2009 conform to performance standards not inferior to those specified in the annex to the present resolution.
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ANNEX
PERFORMANCE STANDARDS FOR NAVIGATION LIGHTS,
NAVIGATION LIGHT CONTROLLERS AND ASSOCIATED EQUIPMENT

1 Scope

These performance standards apply to Navigation Lights (NLs), Navigation Light Controllers (NLCs) and associated equipment to be fitted onboard vessels in accordance with COLREGs. These equipment should be designed, tested, installed and maintained based on these standards, taking into

account that the purpose of Navigation Lights is to identify ships and to notify their intentions at sea and that

the purpose of a Navigation Lights Controller is to provide means of control and monitoring of the status of navigation

lights onboard the vessel to the Officer of the Watch (OOW).

2 Application

In addition to the general requirements set out in resolution A.694(17) , navigation lights,1 navigation lights controllers and associated equipment should meet the requirements of these standards.

3 Definitions

3.1 Associated equipment

means equipment necessary for the operation of NLs and NLCs.

3.2 COLREGs means Convention on the International Regulations for Preventing Collisions at Sea, 1972, including their annexes.

3.3 Lamp means a source producing light, including incandescent sources, Light Emitting Diodes (LED) and other non-incandescent sources.

3.4 Length means the length overall.

3.5 Navigation Light (NL) means the following lights:

- .1 masthead light, sidelights, sternlight, towing light, all-round light, flashing light as defined in Rule 21 of COLREGs;
- .2 all-round flashing yellow light required for air-cushion vessels by Rule 23 of COLREGs; and
- .3 manoeuvring light required by Rule 34(b) of COLREGs.

The light source includes lamps, its housing, placing and means for delimiting the angle of lighting.

Refer to publication IEC 60945.