

航行灯(GCHX-1)\信号灯(GCXH-1)\

闪光(GCSG-2)控制器产品说明书

Navigation Light (GCHX -1), Signal Light (GCXH-1),

Flashing Light Controller Product Instruction



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一、概述

General

航行灯(GCHX-1)、信号灯(GCXH-1)、闪光灯(GCSG-2)控制器是河南光彩电器有限公司以先进的计算机技术为基础开发的控制与监测系列产品之一。该控制器是根据船舶机舱自动化的有关要求而设计制造的,能适应十分恶劣的工作条件。

Navigation light(GCHX -1), signal light(GCXH -1), flash lamp (GCSG -2)controller is one of the control and monitoring products which are developed by Henan Guangcai Electric Co.,Ltd based on advanced computer technology. This controller is designed and manufactured according to automation requirements for marine engine room, it may adapt to very abominable working conditions.

装置的设计和使用环境条件符合各船级社规范要求以及自动化规范要求,可广泛用于各类船舶的航行信号灯系统。

Design and operating ambient conditions of this device conforms with the requirements of each classification society as well as automation rules, it may be widely used for navigation light system of different ships.

二、功能

Function

1. 用轻触开关驱动继电器代替双极开关进行控制

Use the touch switch to control relay instead of using double-pole switch to control.

2. 航行灯 信号灯 闪光灯输出控制

Navigation light, signal light, flash lamp output control

3. 外部指示灯工作状态指示

Working condition indication of external indicating lamp.

3. 外接灯泡断丝报警

External filament break alarm

4. 主电源应急电源检测及报警

Main power emergency supply detecting and alarm

5. 可外接莫氏灯控制按键

Morse lamp control key-press

三、特点

Characteristic

航行灯(GCHX-1)、信号灯(GCXH-1)、闪光灯(GCSG-2)控制器有如下特点:

Navigation light(GCHX -1),signal light(GCXH -1), flash lamp(GCSG -2)controller has the following characteristics:

1. 用户组合方便,有很大的灵活性。

Convenient for assembly, and having good mobility .

2. 软、硬件设计可靠性高, 有严密的抗干扰措施:

Design for soft and hardware have advantages as high reliability, as well as strict anti-jamming measures:

3. 嵌入式结构,安装方便。

Flush type construction, Convenient for installation .

四、技术规格

Technical specification

电源: AC220V/ AC220V(也可根据用户要求定制):

Power supply: AC220V/AC220V(also may custom-tailor according to customer's requirements) :

温度: -10℃~+55℃;

Temperature: -10℃~+55℃;

航行灯(GCHX-1)、信号灯(GCXH-1)、闪光灯(GCSG-2)控制器可在下列环境下正常工作如: 倾斜、摇摆、振动、冲击、潮湿空气、盐雾、油雾和霉菌均能符合船用要求;

Navigation light (GCHX -1), signal lamp (GCXH -1)and flash lamp (GCSG -2) controller may normally work under the following circumstances as: incline , swing , vibration , shock , damp air , salt mist , oil mist and mould fungus which are all conform with marine requirements;

外接航行灯最大数量: 20路;

Maximum quantity of external navigation light:20-route;

外接信号灯最大数量: 20路;

Maximum quantity of external signal lamp:20-route;

外接闪光灯数量: 3路;

Quantity of external flash lamp: 3-route

功率≤60W

Power≤60W

外接灯工作电压可根据用户要求灵活调整

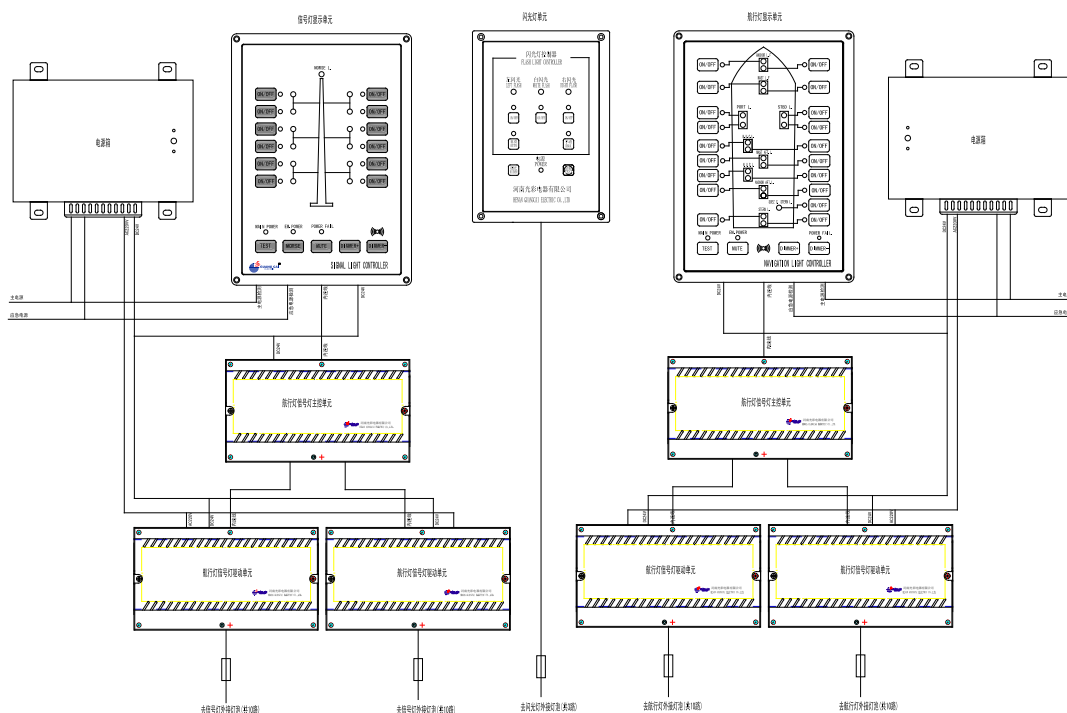
Working Voltage of External lamp may be flexibly adjusted according to customer's requirements.

五、组成

Composition

航行灯(GCHX-1)、信号灯(GCXH-1)、闪光灯(GCSG-2)控制器组成见下图。

The composition of navigation light (GCHX-1),signal lamp (GCXH -1)and flash lamp (GCSG -2) controller is referred tow the following drawing .

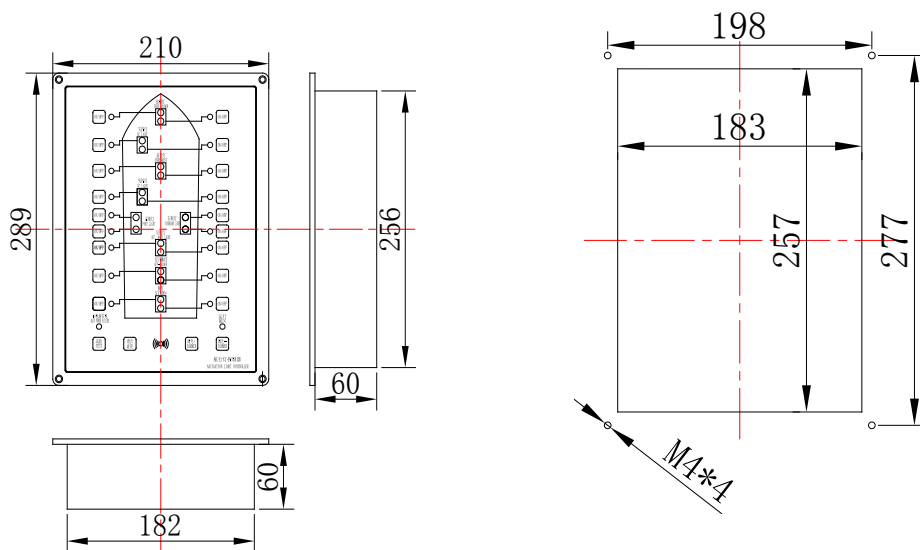


1. 航行灯信号灯显示单元

Display unit of navigation light and signal light

航行灯、信号灯显示单元主要用于控制外部信号灯的亮灭和显示外部灯泡的工作状态。检测主电源失电报警。

Display unit of navigation light and signal light is mainly used in for controlling the bright or went out of external signal light and displaying working order of external bulb. Meanwhile checking the main power supply failure and giving an alarm.

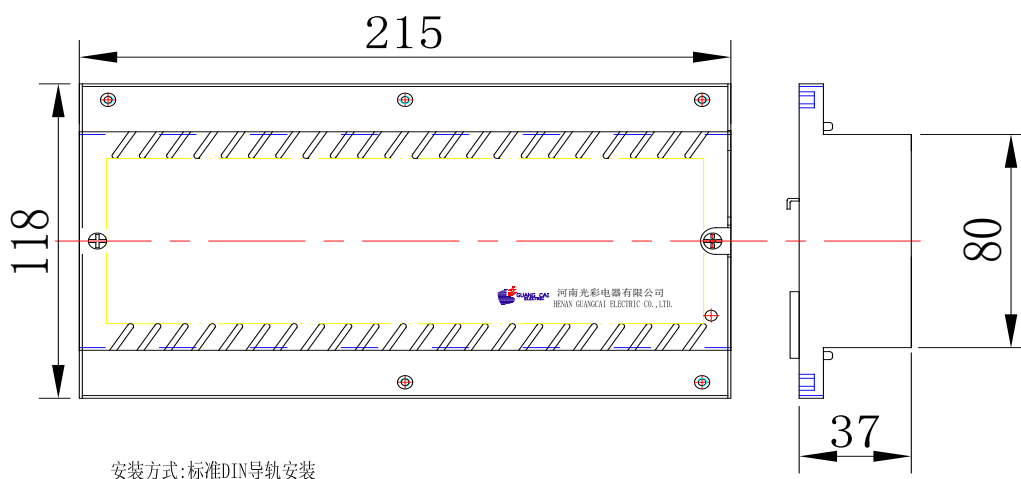


2. 航行灯信号灯主控和驱动单元

Main control and driver unit of navigation light and signal light

航行灯信号灯主控和驱动单元主要对航行灯信号灯进行驱动和断丝检测

Main control and driver unit of navigation light and signal light is mainly used for driving the navigation light and signal light as well as checking the filament break.



安装方式:标准DIN导轨安装

3. 闪光灯单元

Flash lamp unit

闪光灯主要用于闪光灯的驱动和控制

Flash lamp unit is mainly used for driving and control of flash lamp.

