

GAS 通用紧急报警系统 General emergency alarm system

概述 Overview

GAS型通用紧急报警系统是用于向全船各居住室、走道、卫生间等场所发出通用报警、火灾报警等声光报警的紧急信号系统。

系统由通用报警发信器、电源转换箱、接线箱、报警按钮盒、报警电笛等组成。具有与火灾报警系统、机舱监控系统、机舱组合报警系统、广播系统、雾笛控制系统、娱乐设备等的接口。

产品满足CCS和SOLAS规范，符合IMO A.1021(26)决议。

GAS general emergency alarm system is an emergency signal system used to send the general alarm, fire alarm, and other sound and light alarms to the living room, passageway, bathroom and other places all over the ship.

The system is composed of general alarm signal generator, power conversion box, junction box, alarm button box, alarm siren and so on. It is provided with interfaces to fire alarm system, engine room monitoring system, cabin combination alarm system, radio system, fog horn control system, entertainment device and so on.

The product meets the CCS and SOLAS specification,in line with the resolution of IMO A.1021(26).

产品特点 Product features

- 控制面板采用LED指示、按键操作，外形美观，指示清晰，便于操作与维护；
The control panel is provided with LED display and key operation, with nice appearance, clear indication, and easy to operate and maintain;
- 控制面板具有本地调光功能，同时具有远程统一调光的CAN接口；
The panel has a local dimming function, and has a CAN interface for remote unified dimming;
- 系统主备电源具有自动转换功能，主电源失电时向外发出电源故障信号；
With Main and standby two power supplies which switch automatically, and a power failure signal will be sent out in case of main power failure;
- 当系统发生报警时，具有联动切断船上娱乐设备的功能；
When an alarm occurs in the system, it can cut off entertainment devices on the ship;
- 系统具有船舶广播紧急喊话切断报警功能，在喊话结束后自动恢复原先报警状态并持续报警。
The system is provided with marine radio emergency call cut-off alarm function, and can automatically recover the original alarm condition and continue the alarm at the end of call.



产品组成

Product composition

- 通用报警发信器
General alarm signal generator
- 电源转换箱
Power changeover box
- 接线箱
Junction box

- 报警电笛
Alarm siren
- 报警按钮盒
Alarm button box

技术指标

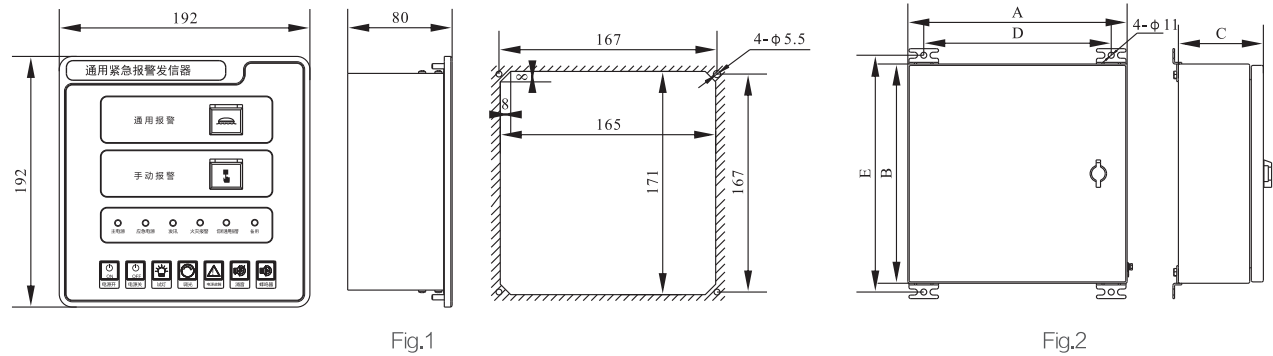
Technical index

- 工作电压：
Working voltage:
主电源：单相AC220V±10%， 50/60Hz
Main power: single-phase AC220V ±10%, 50/60Hz
备用电源：单相AC220V±10%， 50/60Hz
或 DC24V±20%
Standby power: single-phase AC220V ±10%, 50/60Hz
Or DC24V ±20%
- 输入信号：火灾报警信号(无源常开)
远程手动紧急发讯信号(无源常开)
广播切断通用报警信号(无源常开)
Input signals:
Fire alarm signal (passive normally open)
Remote manual emergency sending signal (passive normally open)
Radio cut-off general alarm signal (passive normally open)
- 输出信号：电源故障信号(无源常闭触点、AC220V/2A)
至雾笛控制系统(无源常开触点、AC220V/2A)
至娱乐设备(无源常开触点、AC220V/2A)
至机舱监控系统或机舱组合报警系统(无源常开触点、AC220V/2A)
切断广播信号(无源常开触点、AC220V/2A)

- Output signals:
Power failure signal (passive normally closed contact, AC220V/2A)
To the fog horn control system (passive normally open contact, AC220V/2A)
To entertainment devices (passive normally open contact, AC220V/2A)
To the engine room monitoring system or cabin combination alarm system (passive normally open contact, AC220V/2A)
Radio cut-off signal (passive normally open contact, AC220V/2A)
- 通信接口： 2路CAN、2路RS485
Communication interface: 2-way CAN and 2-way RS485
- 环境温度： -10°C~55°C
Working temperature: -10°C~55°C
- 安装方式：通用报警发信器 嵌入式
电源转换箱 壁挂式
接线箱 壁挂式
Installation:
General alarm signal generator flush-type
Power changeover box wall-mounted
Junction box wall-mounted
- 防护等级：通用报警发信器 IP20
电源转换箱 IP23
接线箱 IP44
Protection grade: General alarm signal generator IP20
Power changeover box IP23
Junction box IP44

- 产品标准尺寸见下表：
Product standard sizes are shown in the following table:

设备名称 Equipment name	外形尺寸mm Outline dimensions (mm)			安装尺寸mm Installation dimensions (mm)		备注 Remarks
	宽 (A) W	高 (B) H	深 (C) D	宽 (D) W	高 (E) H	
通用报警发信器 General alarm signal generator	192	192	80	167	167	Fig.1
电源转换箱 Power changeover box	500	400	210	442	432	Fig.2
8路接线箱 8-way junction box	300	300	155	242	332	
16路接线箱 16-way junction box	500	400	210	442	432	



型号命名

Model naming

		GAS	-□
组成设备 Constituent devices:	SG: 通用报警发信器 General alarm signal generator CB: 电源转换箱 Power changeover box JX8: 8路接线箱 8-way junction box JX16: 16路接线箱 16-way junction box		

选型说明

Selection description

例： GAS-SG
表示：通用报警发信器。
For example: GAS-SG
It means: general alarm signal generator.

系统图

System diagram

