



2020产品选型手册

PRODUCT CATALOGUE

杭州华雁数码电子有限公司
HANGZHOU HUAYAN DIGITAL ELECTRON CO., LTD.

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春华秋实 鸿雁南飞

Chunhua Qiushi, Hongyan Nanfei

海纳百川志高远，心容万物乾坤大

以“创新，高效，务实”的企业理念

聚集一流人才，创建一流企业，开发一流产品，缔造一流品牌

为中华船舶行业强大而奋斗

华雁数码

为航行安全而来

The sea admits all rivers. The heart contains all things

With the "innovative, efficient, pragmatic" corporate philosophy

Gather first-class talents, create first-class enterprises, develop first-class products, and create first-class brands

Struggling for the strength of the Chinese shipbuilding industry

Huayan Digital

Come for safe navigation

经营宗旨：卓越品质，完美服务，创造价值

产品理念：科技为先，以人为本，为人服务

品质理念：百年船业，质量为本，安全第一

Business purposes: excellent quality, perfect service, create value

Product concept: technology first, people-oriented, serving people

Quality concept: century-old shipbuilding, quality-oriented, safety first

华雁数码

国家高新技术企业

杭州华雁数码电子有限公司为国家高新技术企业，专业生产并销售船用内部通讯、通用紧急报警系统、机舱组合报警系统、桥楼值班报警系统、火灾报警控制系统、固定式局部水基灭火装置、闭路电视监控系统、雨刮器、旋转视窗和子母钟等设备。为出口船、军辅船、民用船及海洋平台等各类船舶配套。

公司坚持“以人为本”的经营理念和“创新/高效/务实”的企业精神，汇聚了一支高素质的科技管理队伍，并拥有完善的售后服务网络。

公司集开发、制造、销售、服务为一体，具有独立自主的设计能力，同时采用先进的制造工艺，检测设备。在同行中率先通过ISO9001:2015质量管理体系认证，同时通过CCS、ABS、BV、LR、DNV-GL、RS、RINA、KR、NK等船级社认证。

公司座落于杭州萧山经济技术开发区，与天堂明珠---西湖仅一江之隔，沪杭甬、杭金衢高速公路依傍而过，杭州萧山国际机场近在咫尺，交通便捷。



HuaYan digital

National High-Tech Enterprise

Hangzhou HuaYan digital electronic co., LTD. Is a national high-tech enterprise, specializing in the production and sales of Marine internal communications, General emergency alarm system engine room combination alarm system bridge duty alarm system, fire alarm control system, fixed local water-based fire extinguishing system, closed-circuit television monitoring systems, wiper, rotating equipment, including Windows and primary-secondary clock. It is for export ships, military auxiliary ships, civilian ships and Marine platforms, etc.

The company adheres to the "people-oriented" business philosophy and "innovative/efficient/practical" enterprise spirit, and brings together a high-quality technology management team and has a perfect after-sales service network.

The company integrates development, manufacturing, sales and service as one, with independent design capability and advanced manufacturing technology and testing equipment. First in the peer through the ISO9001:2015 quality management system certification, at the same time by CCS, ABS, BV, LR, DNV, GL, RINA, KR, NK, RS and other classification society certification.

The company is located in hangzhou xiaoshan economic and technological development zone, and heaven eye - the west lake, shanghai-hangzhou-ningbo expressway, hangjinqu expressway near by, hangzhou xiaoshan international airport, the transportation is convenient.





追求卓越品质
提供完美服务
创造超凡价值
Pursue excellent quality
Provide perfect service
Create extraordinary value



科技以人为本，科技为人服务
Science and technology are
people-oriented and serve people



您的期待，我的承诺
Your expectation, my promise



企业文化 春华秋实人为本

华雁认为，华雁不应只属于企业，华雁应该是属于行业、属于社会、属于中国、属于世界。华雁创建伊始，就以“创新、高效、务实”的企业理念，聚集一流的人才，创建一流的企业、开发一流的产品，缔造一流的品牌。

Enterprise Culture People Oriented

Huayan believes that Huayan should not only belong to enterprises, but also belong to industry, society, China and the world. At the beginning of Huayan's establishment, it was based on "innovation, efficiency and pragmatism". The company's philosophy is to gather first-class talents, create first-class enterprises, develop first-class products and create first-class brands.





社会责任 创造价值责为先

弘扬敬老传统 共度元宵佳节

杭州华雁走进长河街道敬老院慰问

作为一家有情怀、有社会责任感的企业，杭州华雁数码电子有限公司自成立以来，一直积极投身社会公益，用实际行动践行“感恩社会、传递爱心”的企业文化理念。

为弘扬“尊老、爱老、敬老、助老”的中华民族传统美德和提升公司员工的社会公德意识，公司高管层带领华雁志愿者走进了长河街道敬老院开展元宵节敬老慰问活动。为老人们送去了慰问品，亲切的和他们聊天并献上自编的小节目，营造出了一幅幅温馨的画面，让原本寂寞的敬老院到处充满了欢声笑语，看到老人们脸上洋溢着灿烂的笑容，华雁人深感欣慰。

关爱残孤儿童 支持儿童福利

杭州华雁走进杭州市儿童福利院慰问

为弘扬“尊老爱幼、关爱孤残”的中华民族传统美德和提升公司员工的社会公德意识，公司高管层带领华雁志愿者走进了杭州市儿童福利院开展关爱活动。为孩子们送去了慰问品，亲切与他们互动节目，营造出了一幅幅温馨的画面，让原本寂寞的儿童福利院到处充满了欢声笑语，看到孩子们脸上洋溢着欢快的笑容，华雁人深感欣慰。

热心参与社会公益事业，是华雁人义不容辞的社会责任，公益理念早已融入了华雁人的血液之中，成为企业文化的重要组成部分。每一次的公益活动都进一步推动了企业感恩文化建设，增强了华雁员工的奉献精神和对社会服务意识，为构建和谐社会贡献自身力量。



Social Responsibility

Create Value First

Promote the old tradition of respecting the elderly, Enjoy the Lantern Festival hangzhou huayan went to Changhe street gerocomium

As an enterprise with feelings and social responsibility, hangzhou huayan digital electronics co., ltd. has been actively engaged in social welfare since its establishment, with practical actions to come true the corporate culture concept of "gratitude to the society and delivering love"

In order to promote the traditional Chinese virtue of "respecting the elderly, caring for the young, caring for the orphans and disabled" and enhance the social ethics of the company's employees, the company's senior management led huayan volunteers into hangzhou Changhe street gerocomium to carry out Lantern Festival greetings to the gerocomium. They brought some consolation gifts to the elderly people, chat with them cordially and performance the program created by themselves , created a warm picture, let the original lonely gerocomium is full of laughter, looked at the elderly people 's faces filled with happy smile, hua yan people deeply gratified.

Caring for disabled and orphaned children and supporting their welfare hangzhou huayan went to hangzhou welfare home

In order to promote the traditional Chinese virtue of "respecting the elderly, caring for the young, caring for the orphans and disabled" and enhance the social ethics of the company's employees, the company's senior management led huayan volunteers into hangzhou children's welfare home to carry out caring activities. They brought some consolation gifts to the children , played games with them and concerned about them, created a warm scene, let the original lonely children's welfare home is full of laughter, looked at the children's faces filled with cheerful smile, hua yan people deeply gratified.

Enthusiastic participation in social public welfare undertakings is the obligatory social responsibility of huayan people. The public welfare concept has been integrated into the blood of huayan people and become an important part of corporate culture. Every public welfare activity has further promoted the construction of enterprise gratitude culture, enhanced the dedication spirit and social service consciousness of huayan employees, and contributed their own strength to the construction of a harmonious society.

Honorary Certificate 荣誉证书



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本册所有产品图片颜色及款式以最终发货实物为准

All the pictures, colors and type of this book are subject to the final delivery

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IP公共广播系统	25/26	IP Marine public address system
CKY-1T / P公共广播系统	27/30	Public address system
CK系列船用自动电话系统	31/37	Marine automatic telephone system
IP程控交换机系统	38/39	IP Program-controlled exchange system
SZT组合通讯系统	40/45	Integrated communication system
HS系列船用声力电话系统	46/51	Marine batteryless telephone system
BJQ通用紧急报警系统	52/60	General emergency alarm system
JB系列火灾报警系统	61/71	Fire alarm system
SG警报指示器系统	72/75	Alarm indicator system
MCL船用主机传令钟系统	76/79	Marine engine telegraph system
CCL应急主机传令钟系统	80/82	Emergency main engine telegraph system
CHJ船用轮机员报警系统	83/85	Marine engineer alarm system
CHJ轮机员安全报警系统	86/87	Dead man alarm system
CHJ人员落水报警系统	88/89	Man overboard alarm system
HZB驾驶室航行值班报警系统	90/93	Bridge navigational watch alarm system
YJB病员呼叫系统	94/96	Hospital call system
LJB冷库呼叫系统	97/99	Refrigerator call system
WD雾笛系统	100/101	Fog horn system
YHC电笛系统	102/104	Marine whistle system
YD有线对讲系统	105/107	Marine talk-back system
YD选通对讲系统	108/109	Selective talk-back system
HSJ视觉信息显示系统	110/111	Visual information display system
HSM水密门指示系统	112/114	Watertight door indication system
FHM防火门控制系统	115/117	Fire door control system
BJ机舱监测报警系统	118/120	E/R monitoring alarm system
HJ呼叫报警系统	121/122	Call alarm system
ES可燃气体控制系统	123/124	Combustible gas alarm system
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HTA储藏室高温报警控制系统	127/-	Storeroom high temperature alarm system
HT防盗报警控制系统	128/-	Burglar alarm control system
HGWT广播电视天线系统	129/130	Radio & TV antenna system
ZPB遥控按钮	131/132	Remote control button
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CHAPTER 1

CKY系列 船用公共广播系统

Marine public address system

系统组成

System composition

序号 No.	名称 Name & Specification	型号 Type	重量 Weight	防护等级 IP Rating
1.	嵌入式船用扩音机2X(50W~300W) Flush type public address amplifier	CKY-1Q	47~63kg	IP22
2.	台式船用扩音机2X(50W~1500W) Desk type public address amplifier	CKY-1T	50~180kg	IP22
3.	嵌入式船用扩音机(50W~300W) Flush type public address amplifier	CKY-1Q/A	11.0kg	IP22
4.	台式船用扩音机(50W~300W) Desk type public address amplifier	CKY-1T/B	12.0kg	IP22
5.	台式船用扩音机(50W~300W) Desk type public address amplifier	CKY-1T/C	12-23kg	IP22
6.	嵌入式船用扩音机(50W~300W) Flush type public address amplifier	CKY-1Q/C	12.0kg	IP22
7.	台式船用扩音机(50W~300W) Desk type public address amplifier	CKY-1T/D	12.5kg	IP22
8.	嵌入式船用扩音机(50W~300W) Flush type public address amplifier	CKY-1Q/D	12.0kg	IP22
9.	台式船用扩音机(50W~300W) Desk type public address amplifier	CKY-1T/DY	12.5kg	IP22
10.	嵌入式船用扩音机(50W~300W) Flush type public address amplifier	CKY-1Q/DY	12.0kg	IP22
11.	嵌入式公共广播主遥控台 Flush type PA main remote control station	YKQ-1Z	1.0kg	IP22
12.	壁挂式公共广播遥控台 Wall mounted PA remote control station	YKG-1Z	1.2kg	IP44
13.	嵌入式公共广播遥控台 Flush type PA remote control station	YKQ-1	1.0kg	IP22
14.	壁挂式公共广播遥控台 Wall mounted PA remote control station	YKG-1	1.2kg	IP44
15.	防风雨公共广播遥控台(ABS) Weather proof PA remote control station	YKG-1F	3.3kg	IP56
16.	壁挂式防爆公共广播遥控台 Ex.proof PA remote control station	YKG-1E	2.82kg	IP44
17.	防爆安全栅 IS barrier	AQ-3	0.9kg	IP44
18.	嵌入式船用扩音机2X(50W~300W) Flush type public address amplifier	CKY-1QK	47~63kg	IP22
19.	台式船用扩音机2X(50W~1500W) Desk type public address amplifier	CKY-1TK	50~180kg	IP22
20.	嵌入式公共广播主遥控台 Flush type PA main remote control station	YKQ-1ZK	1.0kg	IP22
21.	壁挂式公共广播主遥控台 Wall mounted PA main remote control station	YKG-1ZK	1.2kg	IP44
22.	嵌入式公共广播遥控台 Flush type PA remote control station	YKQ-1K	1.0kg	IP22
23.	壁挂式公共广播遥控台 Wall mounted PA remote control station	YKG-1K	1.2kg	IP44
24.	防风雨公共广播遥控台(ABS) Weather proof PA remote control station	YKG-1FK	3.3kg	IP56

系统组成**System composition**

序号 No.	名 称 Name & Specification	型 号 Type	重 量 Weight	防 护 等 级 IP Rating
25.	嵌入式扬声器(0.5W、1W、2W、3W、5W) Flush type loudspeaker	YSQ	1.1kg	IP20
26.	壁挂式扬声器(0.5W、1W、2W、3W、5W) Wall mounted loudspeaker	YSG	1.2kg	IP44
27.	防滴式扬声器(0.5W、1W、2W、3W、5W) Watertight loudspeaker	YSP	0.68kg	IP56
28.	吸顶式扬声器(0.5W、1W、2W、3W、5W) Ceiling type loudspeaker	YSX	0.86kg	IP20
29.	吸顶式扬声器(0.5W、1W、2W、3W、5W) Ceiling type loudspeaker	YSX	0.58kg	IP56
30.	双面扬声器(0.5W、1W、2W、3W、5W) Double-sided loudspeaker	YSS	1.2kg	IP20
31.	调音盒 Volume control box	YTQ-1	0.1kg	IP20
32.	号筒扬声器(5W) Horn-type loudspeaker	YHC5-1	1.24kg	IP56
33.	号筒扬声器(10W) Horn-type loudspeaker	YHC10-1	1.24kg	IP56
34.	号筒扬声器(15W) Horn-type loudspeaker	YHC15-1	1.92kg	IP56
35.	号筒扬声器(25W) Horn-type loudspeaker	YHC25-1	1.92kg	IP56
36.	(吊装)号筒扬声器(5W) Lifting horn-type loudspeaker	YHC5-2	1.02kg	IP44
37.	(吊装)号筒扬声器(10W) Lifting horn-type loudspeaker	YHC10-2	1.02kg	IP44
38.	(吊装)号筒扬声器(15W) Lifting horn-type loudspeaker	YHC15-2	1.16kg	IP44
39.	(吊装)号筒扬声器(25W) Lifting horn-type loudspeaker	YHC25-2	1.16kg	IP44
40.	号筒扬声器(50W) Horn-type loudspeaker	YHC50-1	11.18kg	IP56
41.	号筒扬声器(100W) Horn-type loudspeaker	YHC100-1	11.38kg	IP56
42.	号筒扬声器(200W) Horn-type loudspeaker	YHC200-1	13.2kg	IP56
43.	壁挂式话筒插座盒 Wall mounted mic socket box	YCG-1	0.62kg	IP44
44.	嵌入式话筒插座盒 Flush type mic socket box	YCG-1	0.52kg	IP20
45.	防风雨式话筒插座盒 Weather proof mic socket box	YCG-1F	3.3kg	IP56
46.	左右舷话筒盒 Port/starboard mic.box	YCG-2/4	0.74kg	IP20
47.	左右舷话筒盒 Port/starboard mic.box	YCG-2/7	0.74kg	IP20
48.	左右舷话筒盒 Port/starboard mic.box	YCG-2/4	0.74kg	IP44
49.	左右舷话筒盒 Port/starboard mic.box	YCG-2/7	0.74kg	IP44
50.	左右舷话筒盒 (防风雨) Weather proof port/starboard mic.box	YCG-2/4F	3.3kg	IP56
51.	左右舷话筒盒 (防风雨) Weather proof port/starboard mic.box	YCG-2/7F	3.3kg	IP56
52.	手动转台 Manual rotary platform	YXT-1	16.0kg	IP56
53.	电动转台 Electric remote rotary platform	YXD-1	22kg	IP56
54.	电动转台控制器 Rotary platform controller	YXD-1K	1.4kg	IP20
55.	防爆扬声器 (5W、10W、15W、25W) Explosion proof loudspeaker	YHE-1	5.0~8.0kg	IP56
56.	玻璃钢天线(1.2m) Fiberglass antenna	HTX-1	0.60kg	IP56
57.	玻璃钢天线(2.5m) Fiberglass antenna	HTX-3	0.60kg	IP56

采用标准

Adopt standard

- ① 中国船级社《钢质海船入级规范》(2018)及其修改通报第4篇，第2章；
 ② 经MSC . 218(82)修正的《国际救生设备规则》第VII章；
 ③ 国际海事组织A . 1021(26)决议《2009警报器和指示器规则》。
 ① Part4,chapter2 of CCS " rules for classification of sea-going steel ships-" (2018)and its amendments ;
 ② Chapter VII of International life-saving appliance code, annex, as amended by msc.218(82) ;
 ③ IMO resolution A.1021 (26) code on "Alarm and indicators,2009".

扩音机型号及配置说明

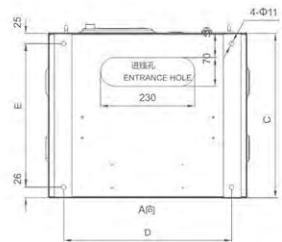
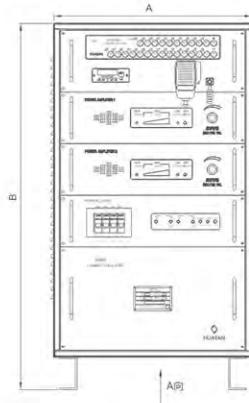
Type and configuration of marine amplifier

序号 No.	配置 Configuration	CKY-1Q/A	CKY-1T/B	CKY-1T/C CKY-1Q/C	CKY-1T/D CKY-1Q/D	CKY-1T/DY CKY-1Q/DY	CKY-1TK CKY-1QK	CKY-1T CKY-1Q
		嵌入式 Flush type	台式 Desk type	台式/嵌入式 Desk type/Flush type				
安装方式 Installation type								
1. 功放数量 Amplifier No.		1	1	1	1	1	2	2
2. 音频输出功率 Audio amplifier output power		50~300W	50~300W	50~300W	50~300W	50~300W	50~1500W	50~1500W
3. FM收音、MP3放音、MIC扩音 FM reception、MP3 playing、MIC amplification		√	√	√	√	√	√	√
4. 自动电话与扩音机联动 Automatic telephones link with amplifiers		√	√		√	√	√	√
5. 通用报警接口 Interface of general alarm		√	√		√	√	√	√
6. 失电报警 Power failure alarm		√	√	√	√	√	√	√
7. 内置5W监听扬声器 Built in 5W monitor loudspeaker		√	√	√	√	√	√	√
8. 广播机带电笛功能 PA with whistle function		√			√	√		
9. 主机MIC紧急讲话 Host MIC emergency speech		√	√		√	√	√	√
10. 喊话输出时，其它各路强制关闭 When shouted output, the other ways are forced to close		√	√	√	√	√	√	√
11. 喊话、舱面、舱内、岗位4路输出 Shout, deck, cabin, position 4 output		√	√	√	√	√		
12. 喊话、舱面1/2、舱内1/2、岗位1/2七路输出 Shout,deck1/2,cabin1/2,position1/2 7 way output							√	√
13. 岗位、舱内强制全音量输出功率 Position,cabin force full volume output power		√	√	√	√	√		
14. 舱内1/2、岗位1/2强制全音量输出功率 Cabin1/2,position1/2 force full volume output power							√	√
15. 外接遥控台数量 Quantity of control station		8	8			4	8	8
16. 遥控台具有4路扬声器选择输出 Remote console with 4 -way speaker selection output		√	√			√		
17. 遥控台具有7路扬声器选择输出 Remote console with 7 -way speaker selection output							√	√
18. 主遥控台紧急讲话 The main remote control console emergency speech		√	√			√	√	√
19. 主遥控台可遥控开机，选择单路或多路扬声器输出 The main remote control can be remote to turn on,select single way or multiway loudspeaker ouput		√	√			√	√	√
20. 遥控台之间对讲 Talk back between the remote control station.		√	√			√	√	√
21. 主、备电源自动切换，不间断供电 Automatic switching of main and standby power, uninterrupted power supply		√	√	√	√	√	√	√
22. 手持VHF无线遥控功能 Portable VHF wireless remote control							※	※
23. 双机互联 Double machine connected							※	

注：“√”表示具有该功能，“※”表示为可选功能。
 Note：“√” Means applicable, “※” Means option.

CKY-1T 台式船用扩音机
Desk type public address amplifier
CKY-1TK 台式船用扩音机 (客船)
Desk type public address amplifier(Passenger ship)

软著专利号 : 2019SR0465382
 Software copyright PN.



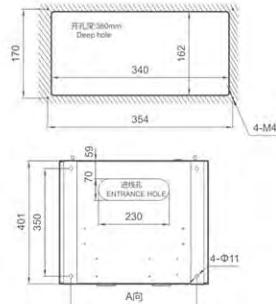
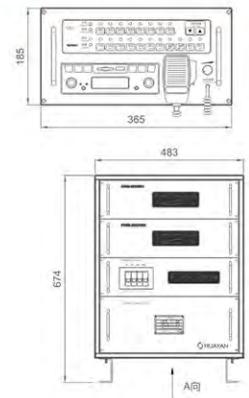
序号 NO	功率W Power	尺寸(A/B/C/D/E)mm Size	功耗W Power consumption
1	2×50	483/893/400/410/350	2×150
2	2×100	483/893/400/410/350	2×250
3	2×200	483/893/400/410/350	2×500
4	2×300	483/893/400/410/350	2×800
5	2×400	600/1553/450/562/262	2×1200
6	2×1000	600/1693/600/564/440	2×2000
7	2×1500	600/1693/600/564/440	2×3000

产品说明 (Specification)

颜色 Colour : RAL7035
 外壳材质 Shell material : Q235B
 供电电源 Power supply :
 2*AC220V±10%, 2*DC24V±10%
 2*1000/1500W : 4*AC220V±10%
 4*AC220V±10%, 2*DC24V±10%(客船 Passenger ship)
 2*1000/1500W : 6*AC220V±10%(客船 Passenger ship)

CKY-1Q 嵌入式船用扩音机
Flush type public address amplifier
CKY-1QK 嵌入式船用扩音机 (客船)
Flush type public address amplifier(Passenger ship)

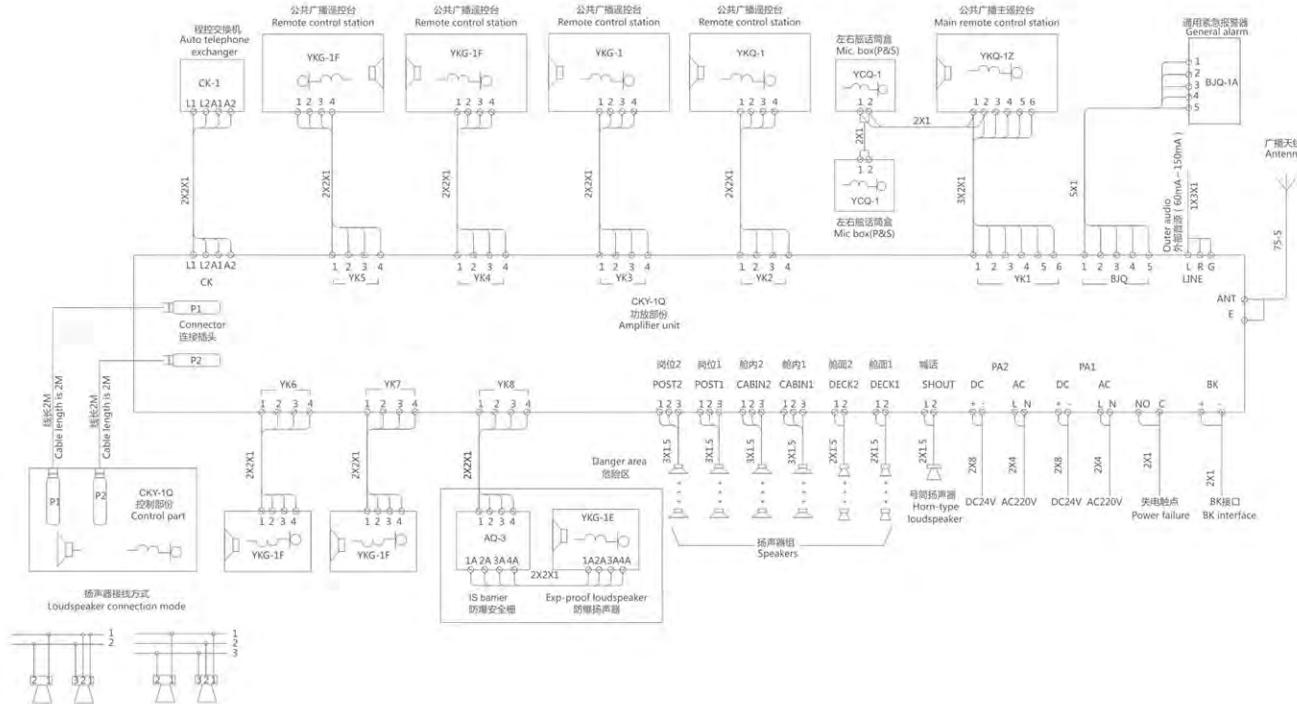
软著专利号 : 2019SR0465382
 Software copyright PN.



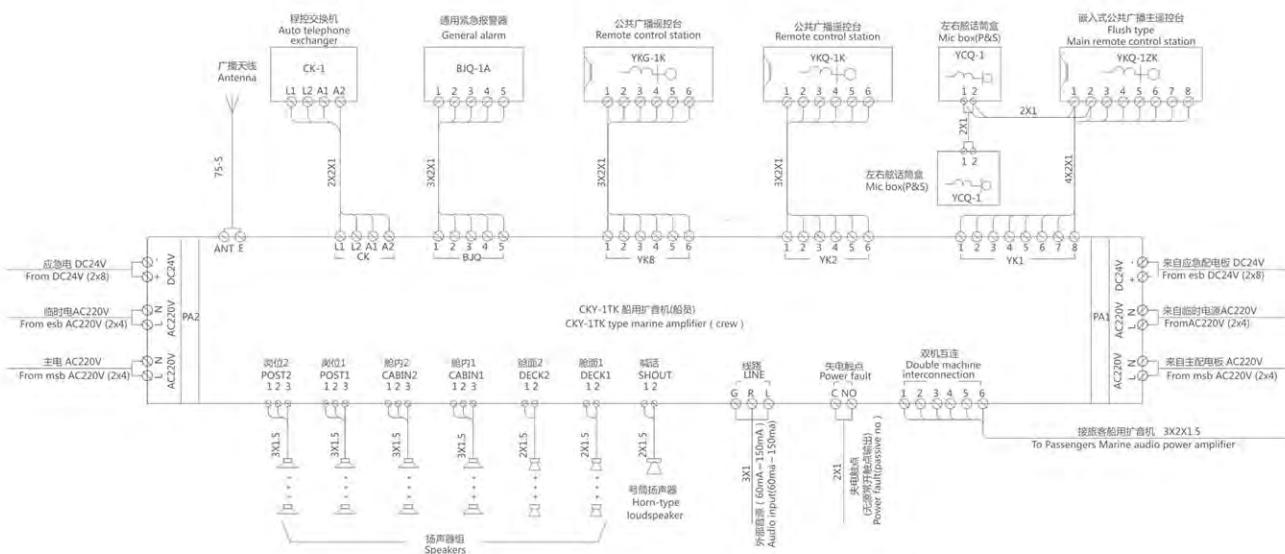
产品说明 (Specification)

颜色 Colour : 控制部分 Control part : 亚光黑 Dull black
 功放部分 Amplifier part : RAL7035
 外壳材质 Shell material : Q235B
 供电电源 Power supply : 2*AC220V±10%, 2*DC24V±10%
 4*AC220V±10%, 2*DC24V±10%(客船 Passenger ship)
 功率 Power : 2*50W/100W/200W/300W

CKY-1T CKY-1Q 系统接线示意图 System wiring schematic drawing



CKY-1TK 系统接线示意图 System wiring schematic drawing



CKY-1Q/A 嵌入式船用扩音机 Flush type marine public address amplifier

产品说明 (Specification)

颜色 Colour : 控制部分 Control part : 亚光黑 Dull black
功放部分 Amplifier part : RAL7035

外壳材质 Shell material : Q235B
供电电源 Power supply : AC220V±10%, DC24V±10%

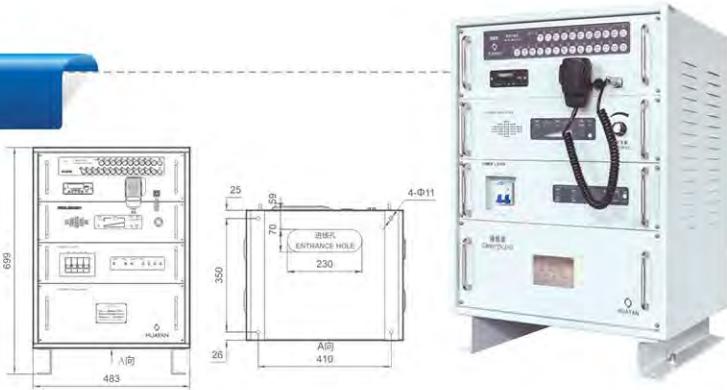
序号 NO	功率W Power	尺寸(A/B/C/D/E)mm Size	功耗W Power consumption
1	50	420/180/265/384/195	150
2	100	420/180/265/384/195	250
3	200	439/205/355/386/250	500
4	300	439/205/355/386/250	800



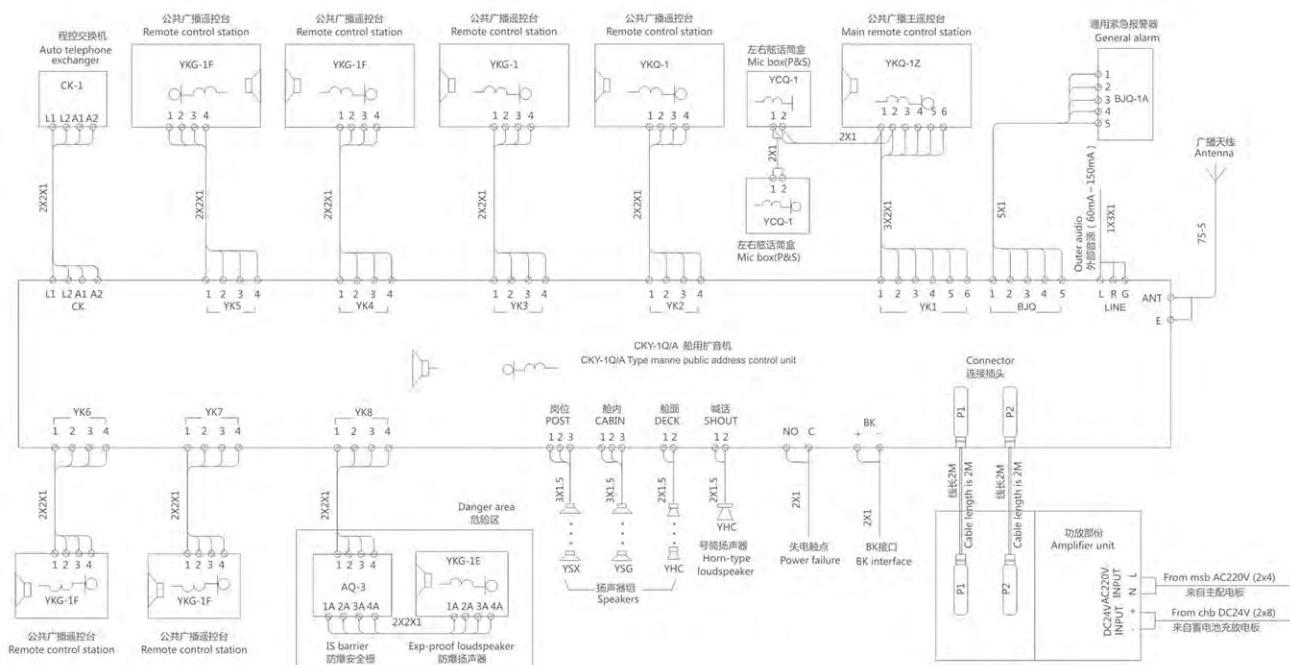
CKY-1T/B 台式船用扩音机 Desk type marine public address amplifier

产品说明 (Specification)

颜色 Colour : RAL7035
外壳材质 Shell material : Q235B
供电电源 Power supply : AC220V±10%
DC24V±10%
功率率 Power : 50W/100W/200W/300W
功耗 Power consumption : 150W/250W/500W/800W



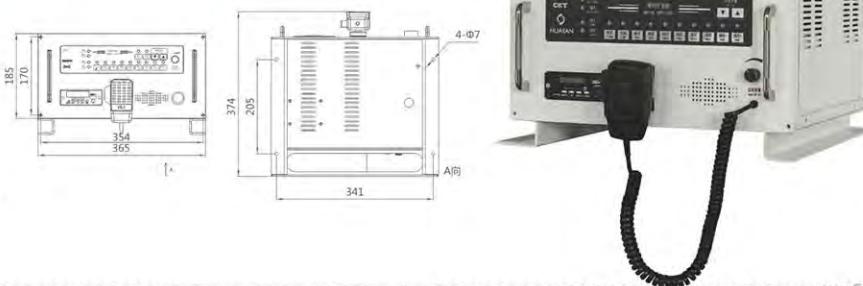
CKY-1Q/A CKY-1T/B 系统接线示意图 System wiring schematic drawing



CKY-1T/C CKY-1T/D CKY-1T/DY 台式船用扩音机 Desk type marine public address amplifier

产品说明 (Specification)

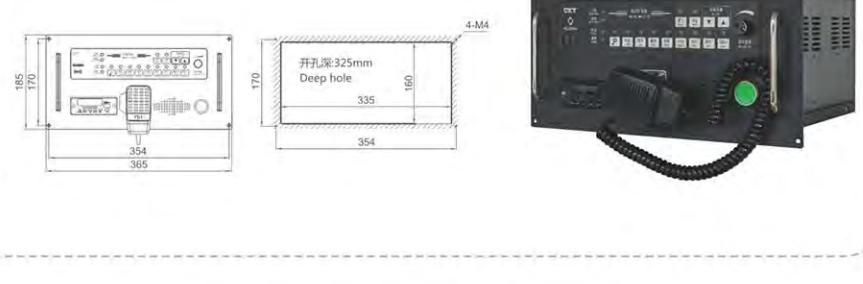
颜色 Colour : RAL7035
 外壳材质 Shell material : Q235B
 供电电源 Power supply : AC220V±10%
 DC24V±10%
 功率 Power : 50W/100W
 功耗 Power consumption : 150W/250W



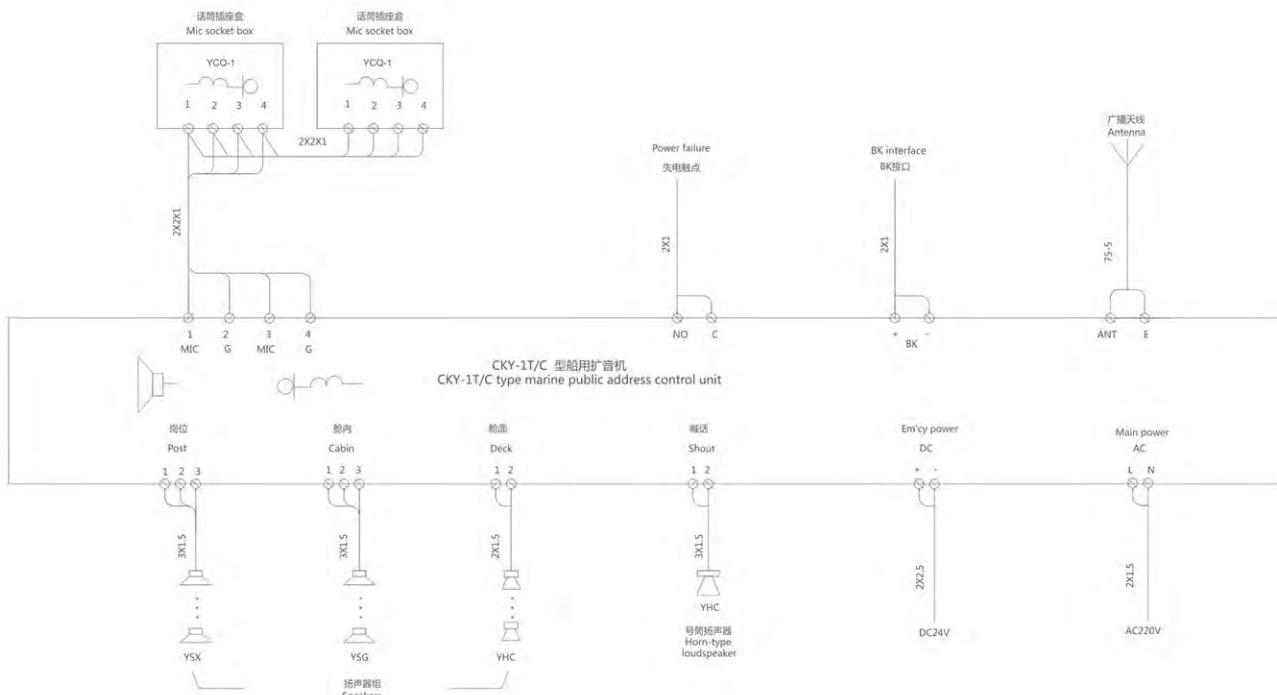
CKY-1Q/C CKY-1Q/D CKY-1Q/DY 嵌入式船用扩音机 Flush type marine public address amplifier

产品说明 (Specification)

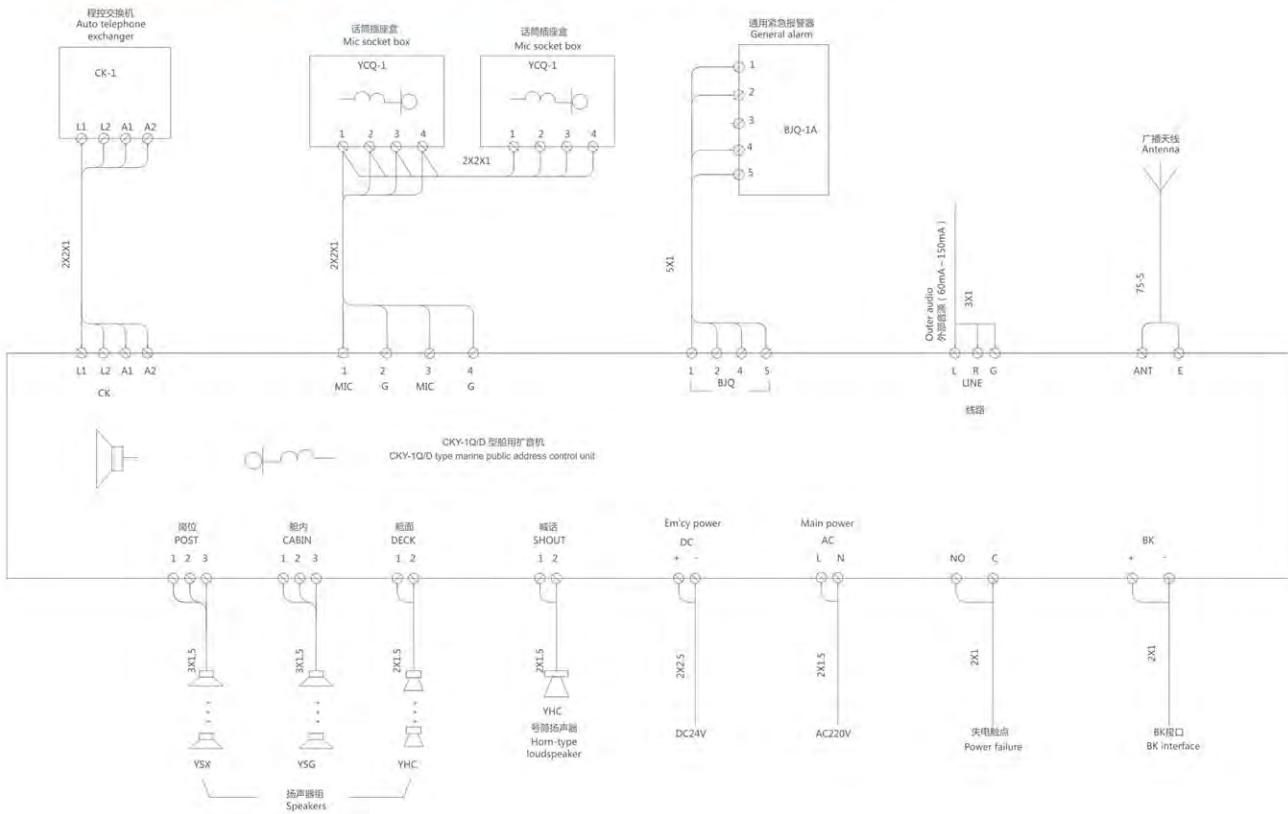
颜色 Colour : 亚光黑 Dull black
 外壳材质 Shell material : Q235B
 供电电源 Power supply : AC220V±10%
 DC24V±10%
 功率 Power : 50W/100W
 功耗 Power consumption : 150W/250W



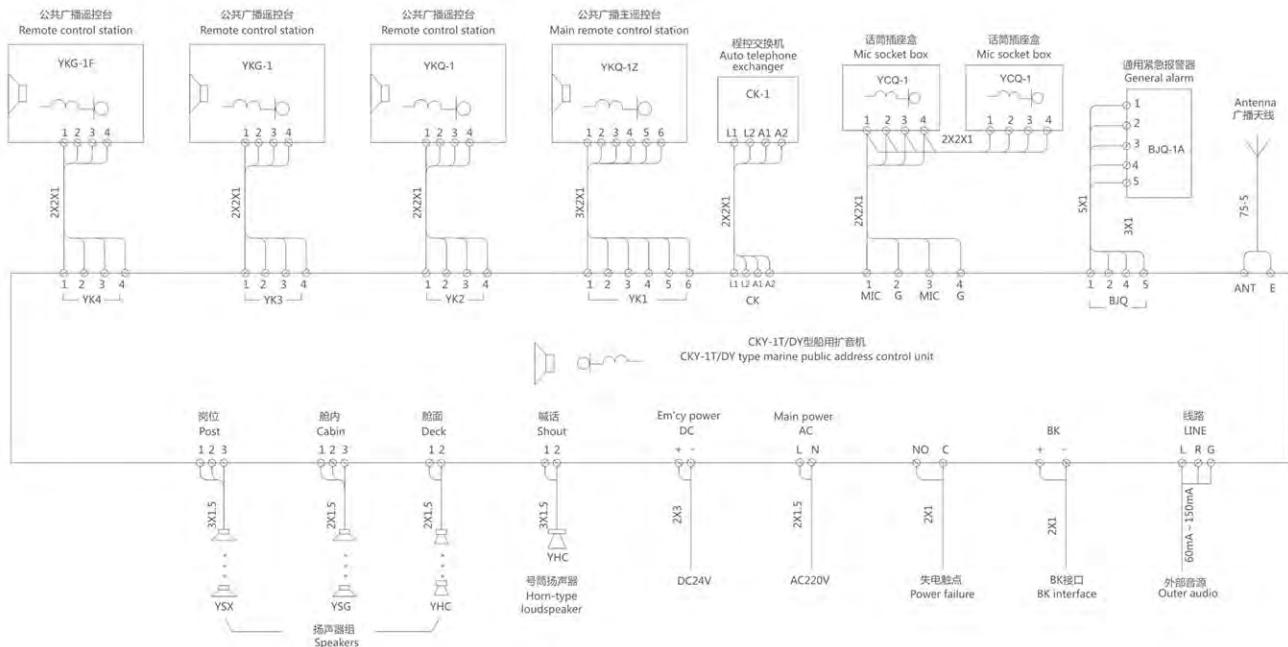
CKY-1Q/C CKY-1T/C 系统接线示意图 System wiring schematic drawing



CKY-1T/D, CKY-1Q/D 系统接线示意图 System wiring schematic drawing



CKY-1T/DY, CKY-1Q/DY 系统接线示意图 System wiring schematic drawing

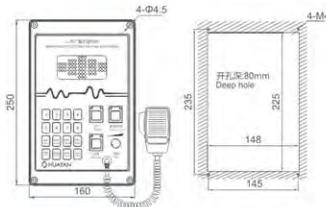


YKQ-1Z YKQ-1ZK 嵌入式公共广播主遥控台 Main remote station for public address (Flush type)

产品说明 (Specification)

容 量 Capacity : 4way/7way
颜 色 Colour : 亚光黑 Dull black
外壳材质 Shell material : ABS
监听喇叭 Monitor loudspeaker : >75dB

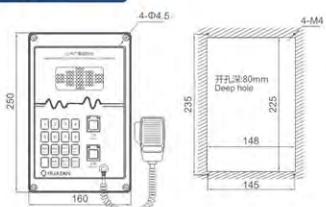
可外接左右话筒插座盒。
It could connection the mic socket.



YKQ-1 YKQ-1K 嵌入式公共广播遥控台 Remote station for public address (Flush type)

产品说明 (Specification)

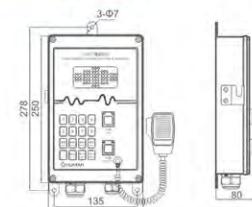
容 量 Capacity : 4way/7way
颜 色 Colour : 亚光黑 Dull black
外壳材质 Shell material : ABS
监听喇叭 Monitor loudspeaker : >75dB



YKG-1 YKG-1K 壁挂式公共广播遥控台 Remote station for public address (Wall mounted)

产品说明 (Specification)

容 量 Capacity : 4way/7way
颜 色 Colour : 亚光黑 Dull black
外壳材质 Shell material : ABS
填 料 阀 Cable gland : PG25/PG16
监听喇叭 Monitor loudspeaker : >75dB



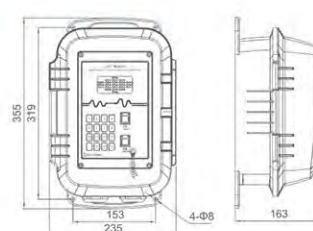
YKG-1F YKG-1FK 防风雨公共广播遥控台 Remote station for public address (Weather proof)

外观专利号 : ZL 2017 3 0269129.7
Outline copyright PN.

产品说明 (Specification)

容 量 Capacity : 4way/7way
颜 色 Colour : 中绿灰 BG01 Mid. glaucous
外壳材质 Shell material : ABS
(可选Q235B、不锈钢材质 Option(Q235B/SUS))
填 料 阀 Cable gland : 2-PG21
监听喇叭 Monitor speaker : >75dB

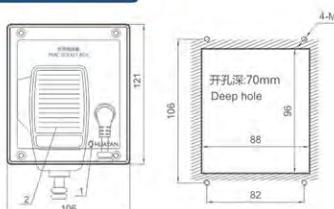
可以外接定阻式号筒扬声器。
Can be connect with resistance type loudspeaker.



YCQ-1 嵌入式话筒插座盒 Flush type MIC socket box

产品说明 (Specification)

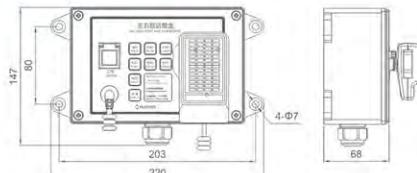
颜 色 Colour : 亚光黑 Dull black
外壳材质 Shell material : ABS



YCG-2/4 YCG-2/7 左右舷话筒盒 Port and starboard mic box

产品说明 (Specification)

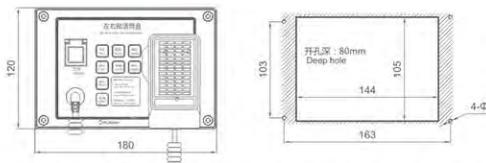
容 量 Capacity : 4way/7way
颜 色 Colour : 亚光黑 Dull black
外壳材质 Shell material : ABS
填 料 函 Cable gland : PG16



YCQ-2/4 YCQ-2/7 左右舷话筒盒 Port and starboard mic box

产品说明 (Specification)

容 量 Capacity : 4way/7way
颜 色 Colour : 亚光黑 Dull black
外壳材质 Shell material : ABS

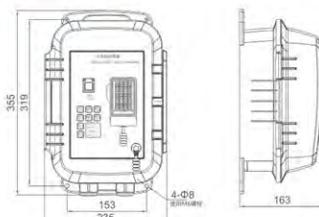


YCG-1F YCG-2/4F YCG-2/7F 防风雨话筒插座盒 Mic socket box(Weather proof)

外观专利号 : ZL 2017 3 0269129.7
Outline copyright PN.

产品说明 (Specification)

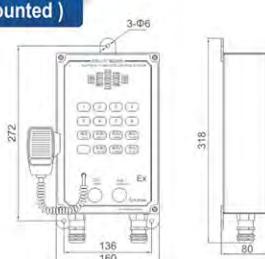
容 量 Capacity : 4way/7way
颜 色 Colour : 中绿 Mid. glaucous
外壳材质 Shell material : ABS
(可选Q235B、不锈钢材质 Option(Q235B/SUS))
填 料 函 Cable gland : PG16



YKG-1E 壁挂式防爆公共广播遥控台 Explosion-proof Remote station for public address(Wall mounted)

产品说明 (Specification)

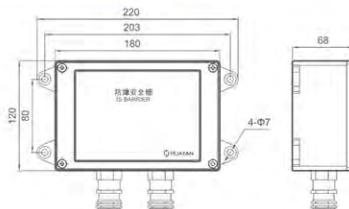
容 量 Capacity : 4 way/7way
颜 色 Colour : RAL7035
外壳材质 Shell material : Q235B
填 料 函 Cable gland : 2-FEM12-2(铜质 Copper)
防爆等级 Explosive-proof Grade : Exib II CT6 Gb



AQ-3 防爆安全栅 IS barrier

产品说明 (Specification)

颜 色 Colour : 亚光黑 Dull black
外壳材质 Shell material : ABS
填 料 函 Cable gland : 2-FEM12-2 (铜质 Copper)
防爆等级 Explosive-proof grade : Ex ib II C
配壁挂式防爆公共广播遥控台使用
Equipped with wall-mounted explosion-proof
public address remote station

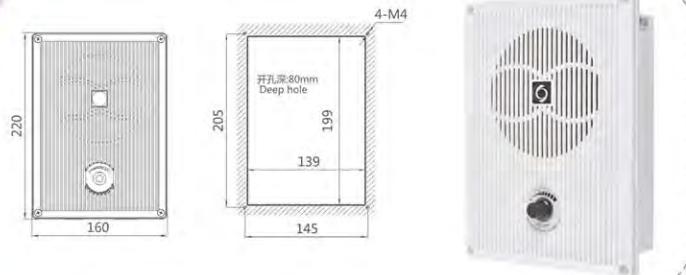


YSQ-0.5/1/2/3/5W 嵌入式扬声器 Flush type loudspeaker

产品说明 (Specification)

颜色 Colour : 瓷白 Magnetic white
 外壳材质 Shell material : ABS
 定压输入 Steady voltage input : 120V
 功率及声压级 Power and sound level :
 0.5W/78dB±3dB;1W/80dB±3dB;
 2W/84dB±3dB;3W/87dB±3dB;5W/92dB±3dB

三线制 Three lines connection type
 带全音量输出 Full volume output
 带短路保护用的熔断器 With short circuit protection fuse

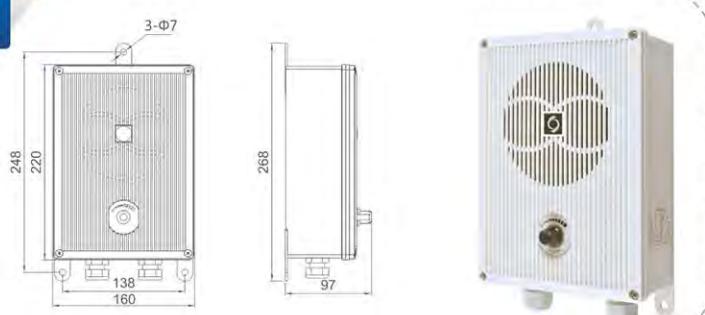


YSG-0.5/1/2/3/5W 壁挂式扬声器 Wall mounted loudspeaker

产品说明 (Specification)

颜色 Colour : 瓷白 Magnetic white
 外壳材质 Shell material : ABS
 填料函 Cable gland : 2-PG16
 定压输入 Steady voltage input : 120V
 功率及声压级 Power and sound level :
 0.5W/78dB±3dB;1W/80dB±3dB;2W/84dB±3dB;
 3W/87dB±3dB;5W/92dB±3dB

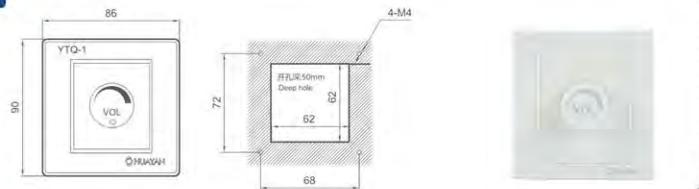
三线制 Three lines connection type
 带全音量输出 Full volume output
 带短路保护用的熔断器 With short circuit protection fuse



YTQ-1 调音盒 Volume control box

产品说明 (Specification)

颜色 Colour : 瓷白 Magnetic white
 外壳材质 Shell material : ABS
 用于扬声器的音量调节
 For volume control of loudspeaker
 与扬声器连接为2芯线
 The cable connects loud speaker is 2 cores

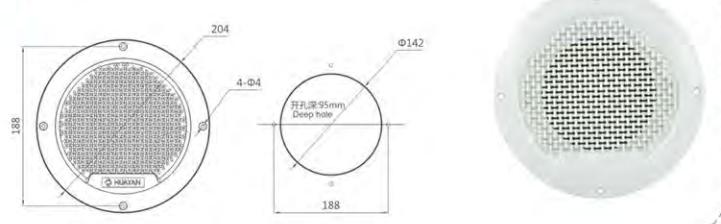


YSX-0.5/1/2/3/5W 吸顶式扬声器 Ceiling type loudspeaker

产品说明 (Specification)

颜色 Colour : 瓷白 Magnetic white
 外壳材质 Shell material : ABS
 定压输入 Steady voltage input : 120V
 功率及声压级 Power and sound level :
 0.5W/78dB±3dB;1W/80dB±3dB;2W/84dB±3dB;
 3W/87dB±3dB;5W/92dB±3dB

三线制 Three lines connection type
 带全音量输出 Full volume output
 带短路保护用的熔断器 With short circuit protection fuse

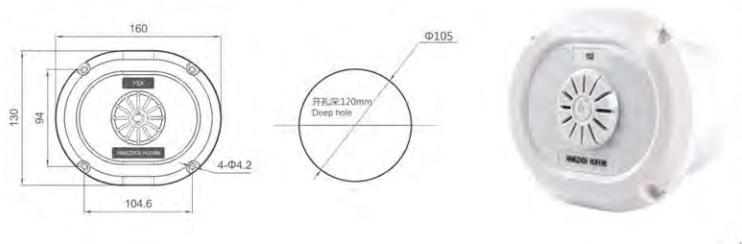


YSX-0.5/1/2/3/5W 吸顶式扬声器 Ceiling type loudspeaker

外观专利号 : ZL 2017 3 0269745.2
 Outline copyright PN.

产品说明 (Specification)

颜色 Colour : 白色 White
 外壳材质 Shell material : ABS
 填料函 Cable gland : 2-PG16
 定压输入 Steady voltage input : 120V
 功率及声压级 Power and sound level :
 0.5W/78dB±3dB;1W/80dB±3dB;2W/84dB±3dB;
 3W/87dB±3dB;5W/92dB±3dB
 三线制 Three lines connection type
 带全音量输出 Full volume output
 带短路保护用的熔断器 With short circuit protection fuse



YSS-0.5/1/2/3/5W 双面式扬声器 Double sided loudspeaker

产品说明 (Specification)

颜色 Colour : 瓷白 Magnetic white
 外壳材质 Shell material : ABS
 定压输入 Steady voltage input : 120V
 功率及声压级 Power and sound level :
 0.5W/78dB±3dB; 1W/80dB±3dB;
 2W/84dB±3dB; 3W/87dB±3dB; 5W/92dB±3dB

三线制 Three lines connection type
 带全音量输出 Full volume output
 带短路保护用的熔断器 With short circuit protection fuse

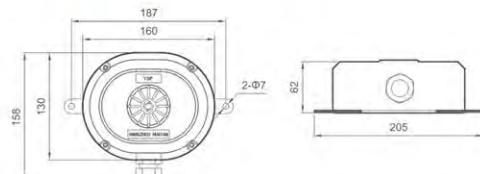


YSP-0.5/1/2/3/5W 防滴式扬声器 Watertight loudspeaker

产品说明 (Specification)

颜色 Colour : 瓷白 Magnetic white
 外壳材质 Shell material : ABS
 填料函 Cable gland : PG16
 定压输入 Steady voltage input : 120V
 功率及声压级 Power and sound level :
 0.5W/78dB±3dB; 1W/80dB±3dB; 2W/84dB±3dB;
 3W/87dB±3dB; 5W/92dB±3dB

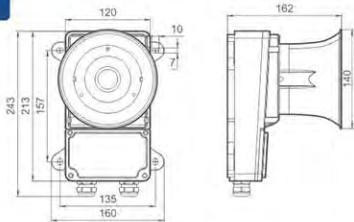
三线制 Three lines connection type
 带全音量输出 Full volume output
 带短路保护用的熔断器 With short circuit protection fuse



YHC5-1 YHC10-1 号筒扬声器 Horn-type loudspeaker

产品说明 (Specification)

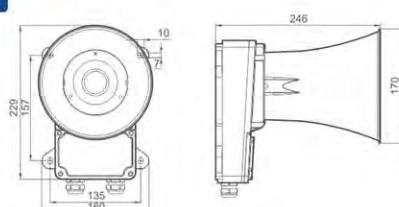
颜色 Colour : 中绿灰 BG01 Mid. glaucous
 外壳材质 Shell material : ABS
 填料函 Cable gland : 2-M20x1.5
 定压输入 Steady voltage input : 120V
 功率及声压级 Power and sound level :
 5W/105dB±3dB; 10W/109dB±3dB
 二线制 Two lines connection type
 带短路保护用的熔断器 With short circuit protection fuse



YHC15-1 YHC25-1 号筒扬声器 Horn-type loudspeaker

产品说明 (Specification)

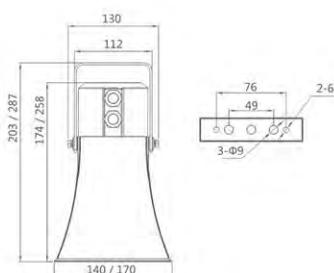
颜色 Colour : 中绿灰 BG01 Mid. glaucous
 外壳材质 Shell material : ABS
 填料函 Cable gland : 2-M20x1.5
 定压输入 Steady voltage input : 120V
 功率及声压级 Power and sound level :
 15W/115dB±3dB; 25W/119dB±3dB
 二线制 Two lines connection type
 带短路保护用的熔断器 With short circuit protection fuse



YHC5/10/15/25-2 号筒扬声器 Horn-type loudspeaker

产品说明 (Specification)

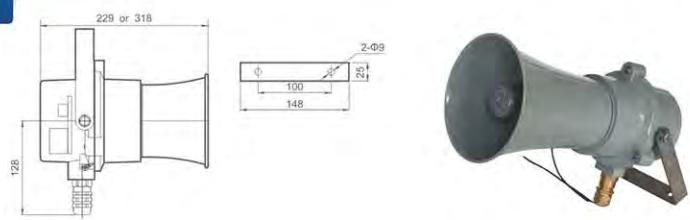
颜色 Colour : 中绿灰 BG01 Mid. glaucous
 外壳材质 Shell material : ABS
 填料函 Cable gland : 2-M20x1.5
 定压输入 Steady voltage input : 120V
 功率及声压级 Power and sound level :
 5W/105dB±3dB; 10W/109dB±3dB;
 15W/115dB±3dB; 25W/119dB±3dB
 二线制 Two lines connection type
 带短路保护用的熔断器 With short circuit protection fuse



YHE-1 防爆扬声器 Explosion-proof speaker

产品说明 (Specification)

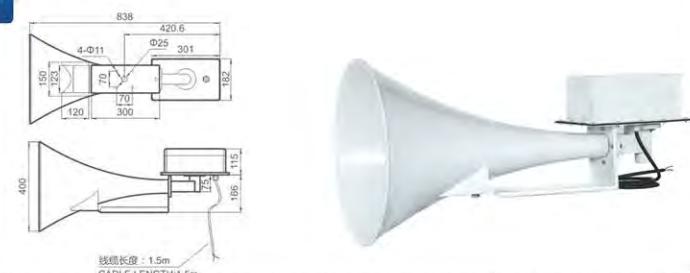
颜色 Colour : 海灰色 Grey
 填料函 Cable gland : M22X1.5 (铜质 Copper)
 防爆等级 EX rating : ExdIICT6 Gb
 额定功率 Rating power : 5W/10W/15W/25W
 定压输入 Steady voltage Input : AC120V
 声响度 Sound level : 85dB±5dB



YHC50-1 YHC100-1 YHC200-1 号筒扬声器 Horn-type loudspeaker

产品说明 (Specification)

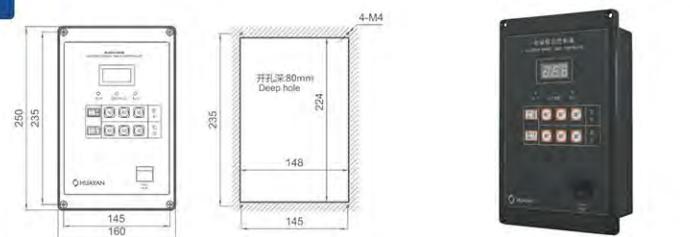
颜色 Colour : 磁白色 Magnetic white
 外壳材质 Shell material : SMC
 填料函 Cable Gland : PG
 定压输入 Steady Voltage Input : 120V
 功率及声压级 Power And Sound Level :
 50W/115dB±3dB;100W/118dB±3dB;200W/127dB±3dB
 二线制 Two lines connection type
 带短路保护用的熔断器 With short circuit protection fuse



YXD-1K 电动转台控制器 Electric rotary platform controller

产品说明 (Specification)

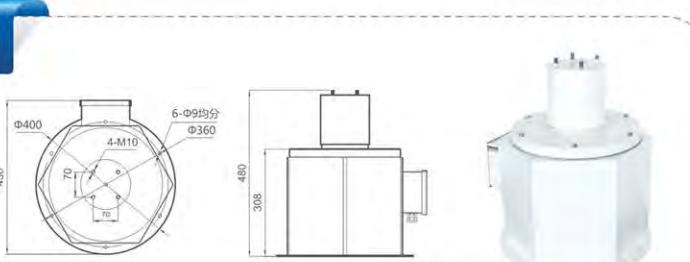
颜色 Colour : 亚光黑 Dull black
 外壳材质 Shell material : ABS
 供电电源 Power supply : DC24V
 控制旋转角度 Rotation degree control :
 Left and right 30° / 60° / 90° / 270° (全向 omnidirectional)
 与电动转台连接为6芯线
 The cable connect to electric remote rotary platform is 6 wires



YXD-1 电动转台 Electric rotary platform

产品说明 (Specification)

颜色 Colour : 白色 White
 外壳材质 Shell material : 不锈钢 SUS
 填料函 Cable gland : PG25 2-PG13.5



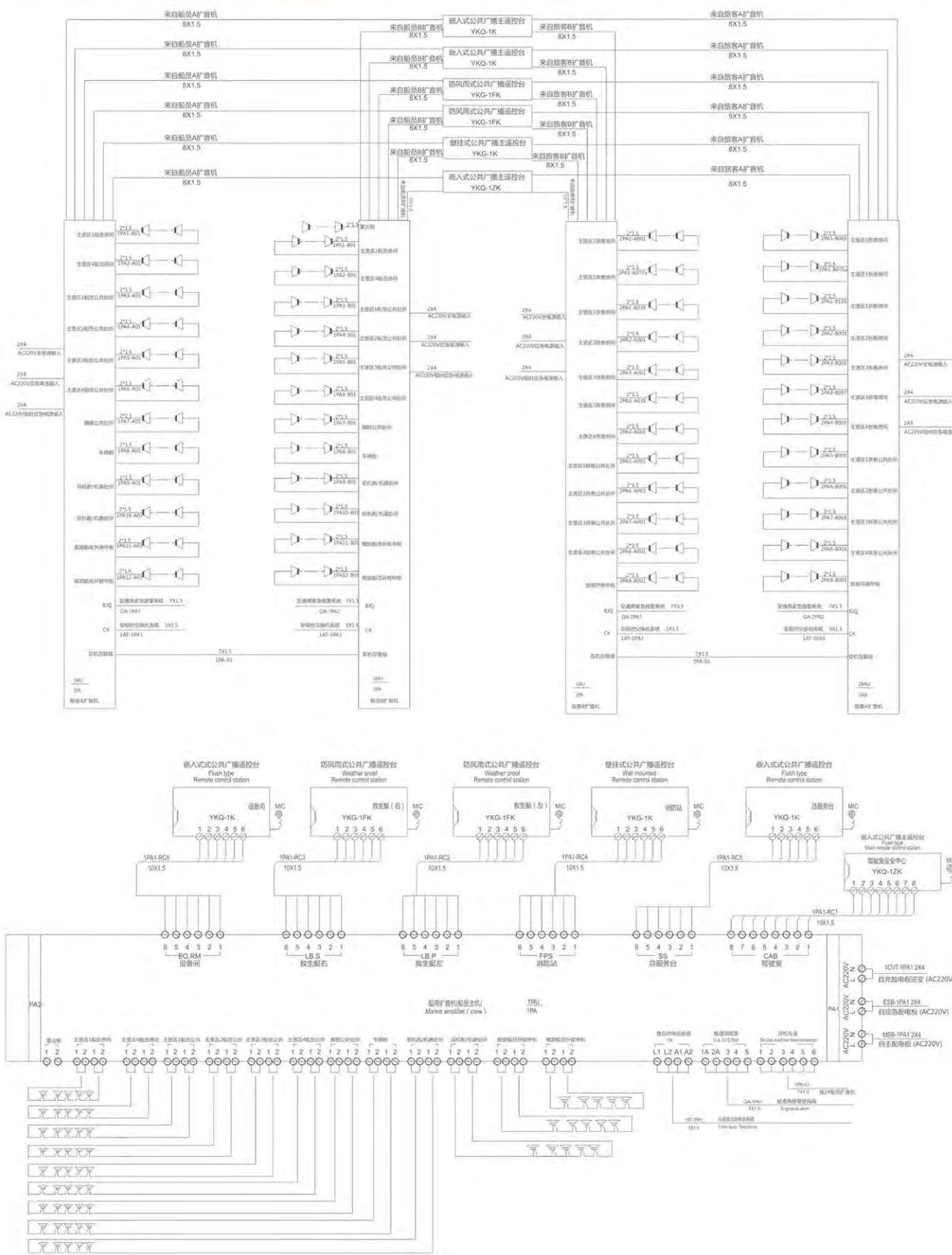
YXT-1 手动转台 Manual rotary platform

产品说明 (Specification)

颜色 Colour : RAL7035
 外壳材质 Shell material : Q235B
 旋转角度 Rotation degree : 350°



客船系列安全返港系统接线示意图 The connection diagram of the passenger ship series safe return to port system





CHAPTER 2

IP 公共广播系统 Public address system

系统组成

System composition

序号 No.	名 称 Name & Specification	型 号 Type	重 量 Weight	防 护 等 级 IP Rating
1.	船用扩音机 (IP) Public address amplifier	CKY-1T	5.5kg	IP22
2.	嵌入式公共广播遥控台 (IP) Flush type public address remote control station	YKQ-1	1.1kg	IP22
3.	壁挂式公共广播遥控台 (IP) Wall mounted public address remote control station	YKG-1	1.3kg	IP44
4.	防风雨式公共广播遥控台 (IP) Weather proof public address remote control station	YKG-1F	4.1kg	IP56
5.	嵌入式扬声器 (IP) Flush type loudspeaker	YSQ-1	0.9kg	IP22
6.	壁挂式扬声器 (IP) Wall mounted loudspeaker	YSG-1	1.1kg	IP22

系统介绍

System introduction

公共广播系统(IP)是基于标准SIP协议构建的智能网络化广播系统，可实现定时定点放音、分区喊话广播、紧急触发报警、紧急讲话、双向对讲、通话监听、通话录音等功能，能与火灾报警系统、防盗报警系统等周边系统对接组建整套安防联动系统，配套广播管理客户端实现远程监控、远程故障诊断以及远程软件升级等优势，形成音频传输数字化、终端播放个性化、工程简单化以及远程可维护化等特点，作为智能船舶内部娱乐通讯警告于一体的公共网络化广播系统。

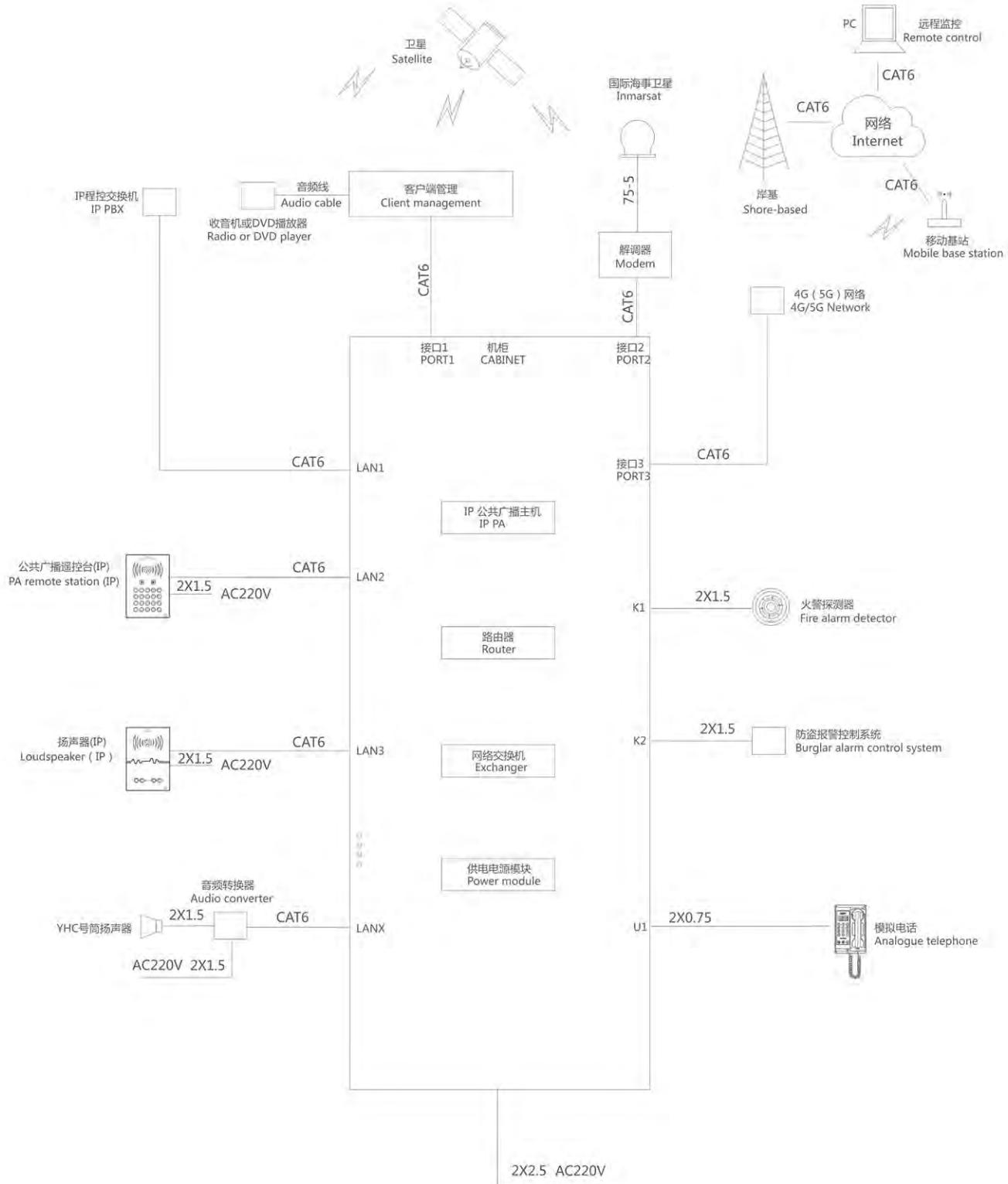
The public address system (IP) is an intelligent networked broadcast system based on the standard SIP protocol, which can realize functions such as scheduled fixed-point playback, partitioned call broadcast, emergency trigger alarm, emergency speech, two-way intercom, call monitoring, call recording, etc. It integrates with the fire alarm system, anti-theft alarm system and other peripheral systems to form a complete security linkage system, and supports the broadcast management client to realize remote monitoring, remote fault diagnosis and remote software upgrade, etc., forming audio transmission digitization, terminal playback personalization, and engineering simplification. And the characteristics of remote maintainability, etc., as a public networked address system for intelligent ship internal entertainment communication warning.

功能描述

Functional description

- | | |
|-------------|-------------------------------------|
| ① 立体声背景音乐播放 | ① Stereo background music playing |
| ② 定时定点播放 | ② Broadcast at fixed time and place |
| ③ 喊话广播 | ③ Shout broadcast |
| ④ 双向对讲 | ④ Bidirectional talkback |
| ⑤ 紧急触发报警 | ⑤ Emergency trigger alarm |
| ⑥ 客户端管理 | ⑥ Client management |

系统接线示意图 System wiring diagram





CHAPTER 3

CKY-1T/P

公共广播系统
Public address system

系统组成

System composition

序号 No.	名称 Name & Specification	型号 Type	重量 Weight	防护等级 IP Rating
1.	船用扩音机 Marine public address	CKY-1T/P	180kg	IP22
2.	嵌入式公共广播主遥控台 Flush type PA main remote control station	YKQ-1ZP	1.2kg	IP22
3.	嵌入式公共广播遥控台 Flush type PA remote control station	YKQ-1P	1.2kg	IP22
4.	壁挂式公共广播遥控台 Wall mounted PA remote control station	YKG-1P	2.2kg	IP44
5.	防风雨公共广播遥控台 Weather proof PA remote control station	YKG-1FP	5.04 kg	IP56
6.	防爆公共广播遥控台 Ex. proof PA remote control station	YKG-1E	3.2kg	IP44
7.	防爆安全栅 IS Barrier	AQ-3	1.2kg	IP44
8.	嵌入式扬声器 (0.5W、1W、2W、3W、5W) Flush type loudspeaker	YSQ	1.2kg	IP20
9.	壁挂式扬声器 (0.5W、1W、2W、3W、5W) Wall mounted loudspeaker	YSG	1.3kg	IP44
10.	吸顶扬声器 (0.5W、1W、2W、3W、5W) Ceiling type loudspeaker	YSX	0.8kg	IP20/IP56
11.	双面扬声器 (0.5W、1W、2W、3W、5W) Double sided loudspeaker	YSS	1.2kg	IP20
12.	号筒扬声器 (5w~200w) Horn-type loudspeaker	YHC	2.0-20kg	IP56
13.	防爆扬声器 (5W、10W、15W、25W) Explosion-proof loudspeaker	YHE-1	5.0-8.0kg	IP56
14.	人员警告系统电源箱 (100W、200W、300W) Power box	DF-1P	10kg	IP22
15.	平台状态视觉指示器 Platform state visual indicator	SG-4C1	7.5kg	IP44
16.	平台状态视觉指示器 Platform state visual indicator	SG-4C2	7.5kg	IP44
17.	防爆平台状态视觉指示器 Ex platform state visual indicator	SG-4C3	15kg	IP44
18.	报警遥控台 Alarm remote control station	YKQ-2P	0.7kg	IP22
19.	报警遥控台 Alarm remote control station	YKG-2P	0.9kg	IP44
20.	报警遥控台 Alarm remote control station	YKQ-2/1	0.2kg	IP22
21.	报警遥控台 Alarm remote control station	YKG-2/1	0.3kg	IP44
22.	报警遥控台 Alarm remote control station	YKG-2	0.5kg	IP44
23.	防风雨报警遥控台 Weather proof alarm remote control station	YKG-2F	1.8kg	IP56
24.	防风雨报警遥控台 Weather proof alarm remote control station	YKG-2/1F	0.4kg	IP56

采用标准

Adopt standard

- ① 中国船级社《钢质海船入级规范》(2018) 及其修改通报第4篇, 第2章;
 - ② 《海上移动平台入级规范》(2016) 及其修改通报第5篇, 第3章;
 - ③ 经MSC.218(82)修正的《国际救生设备规则》第VII章;
 - ④ 国际海事组织A.1021 (26) 决议《2009警报器和指示器规则》。
- ① Chapter2, part four of China classification society rules for classification of sea-going steel ships 2018 and its amendments;
 - ② Chapter 3, part five of China classification society rules for mobile offshore drilling units 2016;
 - ③ Chapter,of International life-saving appliance code,as amended by MSC.218(82);
 - ④ IMO resolution A.1021(26) code on alerts and indicators,2009.

功能描述

Functional description

- ① 主机由四路交流或两路交流和两路直流供电自动转换;
- ② 主机面板有MIC话筒扩音, 可选择单路或多路扬声器输出;
- ③ 有遥控站, 选择单路或多路扬声器输出, 主遥控台可以切断分遥控台;
- ④ 广播主机集成通用紧急报警模块, 具有通用报警、火灾报警和弃船报警信号输出;
- ⑤ 自动电话接口, 广播或广播找人可由电话完成;
- ⑥ 通用报警信号可以由独立通用报警层操作按钮激活和取消;
- ⑦ 主机具备通用报警、公共广播、人员告警功能;
- ⑧ 公共广播主机两套, 兼做通用报警系统功能, 系统满足规范要求的冗余。

- ① The main unit is automatically converted from four-way AC or two-way AC and two-way DC power supply;
- ② The main unit has MIC for transmitting which can through one way or multi-way loud-speaker output;
- ③ Public address main unit have remote station which can select one way or multi-way loud-speaker to output,the remote control points can be cut off;
- ④ Broadcast host integrated general emergency alarm module, with general alarm, fire alarm and ship abandonment alarm signal output;
- ⑤ Auto-telephone port, broadcasting or page for search of person shall be able to be done from phones;
- ⑥ The general alarm signal can be activated and cancelled by the independent general alarm layer operation button;
- ⑦ The main engine has the function of general alarm, public broadcasting and personnel alarm;
- ⑧ Public address main unit two sets,with general alarm system function,system meet the specification requirements of redundancy.

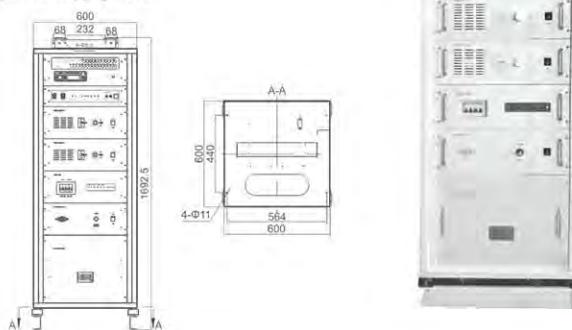
CKY-1T/P 公共广播主机 Public address amplifier main unit

产品说明 (Specification)

颜色 Colour : RAL7035
外壳材质 Shell material : Q235B
供电电源 Power supply : 4 *AC220V±10%

序号/NO	功率W/Power	功耗W/Power consumption
1	2×1000	2×2000
2	2×1500	2×3000

实用新型专利号 : ZL 2015 2 0404455.X
Utility mode copyright PN.



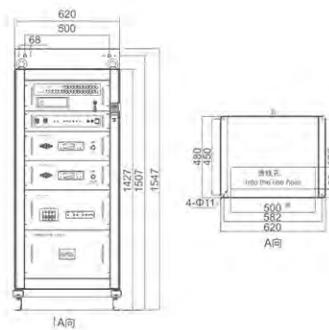
CKY-1T/P 公共广播主机 Public address amplifier main unit

产品说明 (Specification)

颜色 Colour : RAL7035
外壳材质 Shell material : Q235B
供电电源 Power supply : 4*AC220V±10% or 2*AC220V±10%, 2*DC24V±10%

序号/NO	功率W/Power	功耗W/Power consumption
1	2×50	2×150
2	2×100	2×250
3	2×200	2×500
4	2×300	2×800
5	2×400	2×1200

实用新型专利号 : ZL 2015 2 0404455.X
Utility mode copyright PN.



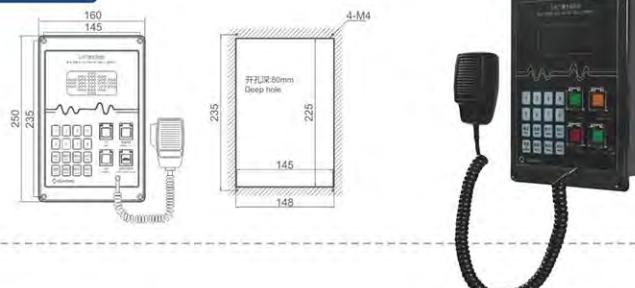
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YKQ-1ZP 嵌入式公共广播主遥控台
Flush type PA main remote control station

产品说明 (Specification)

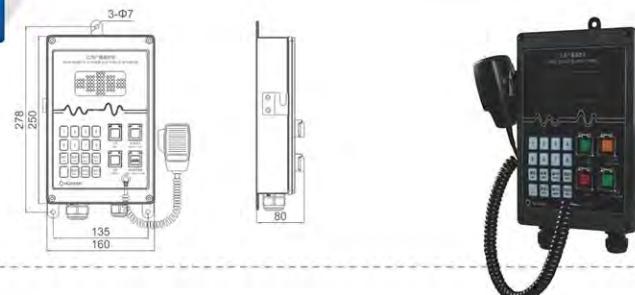
颜 色 Colour : 亚光黑 Dull black
外壳材质 Shell material : ABS



YKG-1P 壁挂式公共广播遥控台
Wall mounted PA remote control station

产品说明 (Specification)

颜 色 Colour : 亚光黑 Dull black
外壳材质 Shell material : ABS
填 料 阀 Cable gland : PG25;PG16

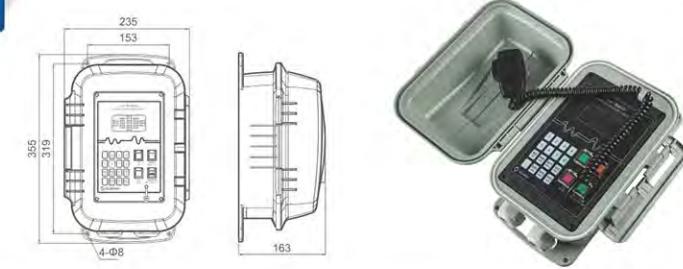


YKG-1FP 防风雨公共广播遥控台
Weather proof PA remote control station

外观专利号 : ZL 2017 3 0269129.7
Outline copyright PN.

产品说明 (Specification)

颜 色 Colour : 中绿灰 BG01 Mid. glaucous
外壳材质 Shell material : ABS
填 料 阀 Cable gland : 2-PG25



DF-1P 人员警告系统电源箱
Power box

产品说明 (Specification)

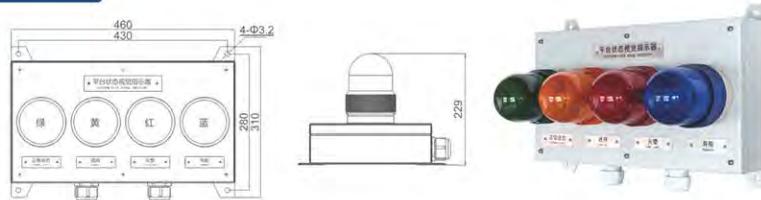
颜 色 Colour : RAL7035
外壳材质 Shell material : Q235B
供电电源 Power supply : 2~AC220V±10% or
AC220V±10%,DC24V±10%
输出功率 Rated power output : 100W/200W/300W
功 耗 Power loss : 250W/500W/750W



SG-4C1/SG-4C2 平台状态视觉指示器
Platform state visual indicator

产品说明 (Specification)

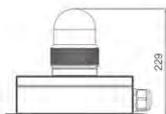
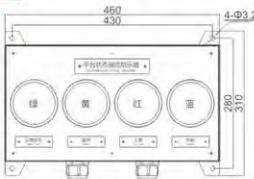
颜 色 Colour : RAL7035
供电电源 Power supply : AC220V±10% or DC24V±10%
外壳材质 Shell material : Q235B
填 料 阀 Cable gland : 2-PG25
功 率 Rated power : 4~5W



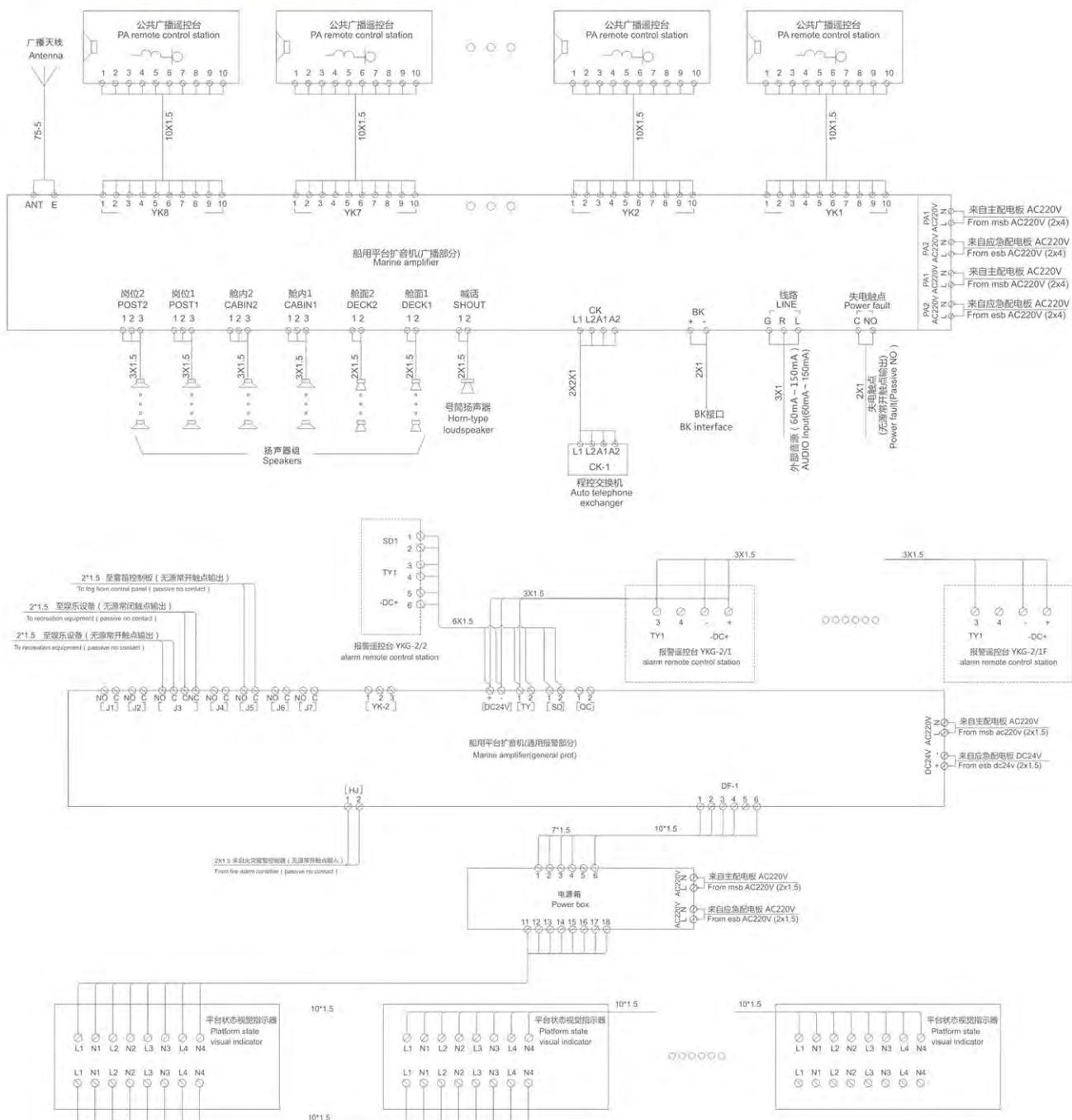
SG-4C3 防爆平台状态视觉指示器 Ex platform state visual indicator

产品说明 (Specification)

颜色 Colour : RAL7035
 填料函 Cable gland : 2-M30×1.5(铜质 Copper)
 供电电源 Power supply : AC220V±10%
 or DC24V±10%
 外壳材质 Shell material : Q235B
 功率 Rated power : 4*30W



CKY-1T/P平台公共广播系统总图 Drawing of public address amplifier system for offshore platform





CHAPTER 4

CK系列

船用自动电话系统
Marine automatic telephone system

系统组成

System composition

序号 No.	名称 Name & Specification	型号 Type	重量 Weight	防护等级 IP Rating
1.	(8门—24门)船用程控电话交换机 8-24 user auto-telephone exchanger	CK-1A	16.3-17.3kg	IP22
2.	(32门—96门)船用程控电话交换机 32-96 user auto-telephone exchanger	CK-1	36-38kg	IP22
3.	(8-120门以上)船用程控电话交换机 8-120 user more auto-telephone exchanger	CK-1B	80kg	IP22
4.	嵌入式自动电话机 Flush type auto-telephone	HAQ-1	0.9kg	IP22
5.	壁挂式自动电话机 Wall mounted auto-telephone	HAG-1	1.2kg	IP44
6.	抗噪音自动电话机 Antinoise auto-telephone	HAG-1T	1.12+0.7kg	IP44
7.	防风雨自动电话机 Weather proof auto-telephone	HAG-1F	5.04kg	IP56
8.	台式自动电话机 Desk type auto-telephone	HAT-1	0.7kg	IP22
9.	壁挂式自动电话机 Wall mounted auto-telephone	HAG-2	0.75kg	IP22
10.	岸线接线盒 Shore line connection box	AXX-1	0.6kg	IP56
11.	防爆按键电话机 Explosion proof push button telephone	HAG-1E	2.04kg	IP66
12.	防爆抗噪音按键电话机 Explosion proof headset push button telephone	HAG-1E/T	2.1kg	IP66
13.	防爆安全栅 IS barrier	HA1	1.08kg	IP44
14.	便携式自动电话机 Portable auto-telephone	HA-1X	5.7kg	IP44
15.	免提电话 Hands-free phones	HAT-1	0.7kg	IP22
16.	自动电话插座盒 Automatic telephone socket box	HCZ-1	0.6kg	IP56
17.	嵌入式电话接线盒 Flush type telephone terminal box	JT-2	0.04kg	IP20
18.	6对分线箱 6way connection box	6FX-2	1.5-3.5kg	IP44/IP22
19.	12对分线箱 12way connection box	12FX-2	1.5-3.5kg	IP44/IP22
20.	24对分线箱 24-way connection box	24FX-2	1.5-3.5kg	IP44/IP22
21.	继电器盒 Relay box	SG-1A	0.6kg	IP44
22.	闪光灯铃组 Flash light and buzzer unit	SG-3C	0.9kg	IP44
23.	移动电话适配器 Mobile phone adapter	SP-2	0.61kg	IP22

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采用标准

Adopt standard

- ① 中国船级社《钢质海船入级规范》(2018)及其修改通报第4篇第1章；
- ② YD/T729-94《程控交换机进网检测方法》；
- ③ GF002-9002.4《邮电部电话交换设备总技术规范书》。

- ① Part 4 chapter 1 of CCS“rules for classification of sea-going steel ships”, 2018 and its amendments;
- ② YD/T729-94 method for automatic exchanger network access;
- ③ GF002-9002.4 technique specification for automatic exchanger equipments in technical ministry of posts and tele communication.

功能描述

Functional description

双方通话、三方通话、电话会议、强插、遥控广播、岸线呼入呼出（四条中继线）、叫醒、呼叫转移等。

Two party call, three party call, conference call, forced plug-in, remote control broadcast, shoreline incoming and outgoing call (four trunk lines), wake-up call, call transfer, etc.

CK-1A(8门-24门) 船用程控电话交换机 8-24 ways auto-telephone exchanger

产品说明 (Specification)

软著专利号 : 2012SR022909
Software copyright PN.

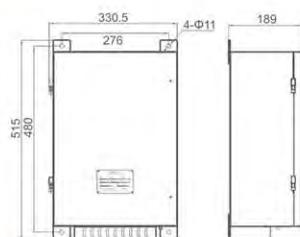
颜色 Colour : RAL7035

外壳材质 Shell material : Q235B

供电电源 Power supply : AC220V±10%, DC24V±10%

功耗 Power consumption : 50W

装机容量为8门-24门；每一块用户板含8门用户。
User capacity 8-24 ways; Each piece of user board containing 8 user.



CK-1 (32门-96门) 船用程控电话交换机 32-96 Users auto-telephone exchanger

产品说明 (Specification)

软著专利号 : 2012SR022909
Software copyright PN.

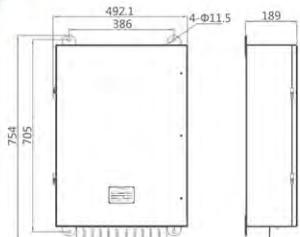
颜色 Colour : RAL7035

外壳材质 Shell material : Q235B

供电电源 Power supply : AC220V±10%, DC24V±10%

功耗 Power consumption : 150W

装机容量为32门-96门；每一块用户板含8门用户。
User capacity 32-96 ways; each piece of user board containing 8 user.



CK-1B (8门-120门) 船用程控电话交换机 8-120 Users auto-telephone exchanger

产品说明 (Specification)

软著专利号 : 2012SR022909
Software copyright PN.

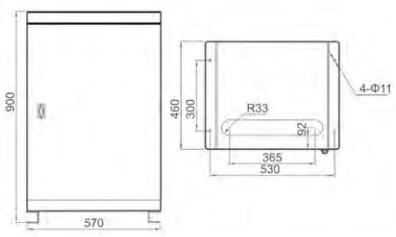
颜色 Colour : RAL7035

外壳材质 Shell material : Q235B

供电电源 Power supply : AC220V±10%, DC24V±10%

功耗 Power consumption : 250W

装机容量为8门-120门；每一块用户板含8门用户。
User capacity : 8-120 ways each piece of user board containing 8 user.



HAQ-1 嵌入式自动电话机 Flush type auto-telephone

产品说明 (Specification)

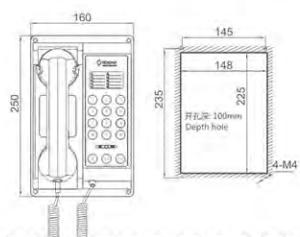
颜色 Colour : 亚光黑 Dull black

外壳材质 Shell material : ABS

振铃响度 Ringing loudness : >75dB

双音频按键式话机

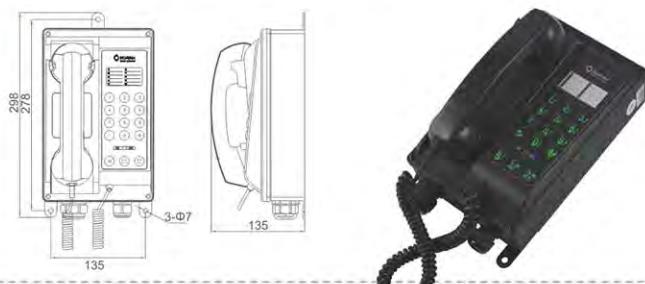
Double tone push button telephone set



HAG-1 壁挂式自动电话机 Wall mounted auto-telephone

产品说明 (Specification)

颜色 Colour : 亚光黑 Dull black
 外壳材质 Shell material : ABS
 填料函 Cable gland : PG25;PG16
 振铃响度 Ringing loudness : >75dB
 双音频按键式话机
 Double tone push button telephone set



HAG-1T 抗噪音自动电话机 Antinoise auto-telephone

产品说明 (Specification)

颜色 Colour : 亚光黑 Dull black
 外壳材质 Shell material : ABS
 填料函 Cable gland : PG25;PG16
 振铃响度 Ringing loudness : >75dB
 双音频按键式话机
 Headphone line 1.5m (有特殊要求需注明线长度)
 Double tone push button telephone set
 Headphone line 1.5m there are special requirements
 needs to be indicated.。



HAG-1F 防风雨自动电话机 Weatherproof auto-telephone

外观专利号 : ZL 2017 3 0269129.7
 Outline copyright PN.

产品说明 (Specification)

颜色 Colour : 中绿灰 BG01 Mid. glaucous
 外壳材质 Shell material : ABS
 (可选Q235B、不锈钢材质 Option(Q235B/SUS))
 填料函 Cable gland : 2-PG21
 振铃响度 Ringing loudness : >75dB
 双音频按键式话机
 Double tone push button telephone set



SP-2 移动电话适配器 Mobile phone adapters

图片仅供参考以实物为准
The picture is for reference only

技术规格 (Technical specifications)

空中接口标准 The air interface standards

*GSM 850/900/1800 Phase 2+
 *GSM 1900 TIA/EIA J-STD-007 PCS 1900

频率范围 Frequency Range

Transmission

*GSM900 890-915MHz

*GSM18001710-1785MHz

*GSM190018-1910MHz

天线(包括) Antenna (including)

GSM 900/1800: 3 dBi双频

Dipole antenna (Attached with) GSM

900/1800:3 dBi Dual-band

接收 Receive

935-960MHz
 1805-1880MHz
 1930-1990MHz

AC/DC切换电源组件(随机附送)

AC/DC switching power supply

component (Attached with)

电压: 90—240VAC 频率: 50、60赫兹

Voltage: 90-240 vac Frequency: 50/60 hz

接头 Even the head

RJ-11 (TEL) 接口插孔, 用于电话。

RJ-11 (TEL) interface socket, used in telephone.

USB端口, 用于连接GPRS或电路交换数字/数据传输。

USB ports used to connect to GPRS or circuit switching

digital/data transmission.

SMA天线接头(50欧姆)或SMA头。

SMA antenna connector (50 ohm) or head of SMA.

DC电源输入插孔、电源开关。

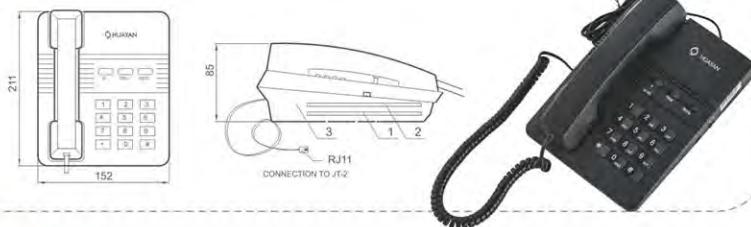
DC power input socket, the power switch.



HAT-1 台式自动电话机 Auto-telephone(Desk type)

产品说明 (Specification)

颜色 Colour : 米白色 Cream-colored / 黑色 Black
 外壳材质 Shell material : ABS
 振铃响度 Ringing loudness : >75dB
 双音频按键式话机
 Double tone push button telephone set



HAG-2 壁挂式自动电话机 Auto-telephone(Wall mounted)

产品说明 (Specification)

颜色 Colour : 米白色 Cream-colored / 黑色 Black
 外壳材质 Shell material : ABS
 振铃响度 Ringing loudness : >75dB
 双音频按键式话机
 DTMF touch-tone telephone



HAT-1 台式免提电话机 Hand free phone (Desk type)

产品说明 (Specification)

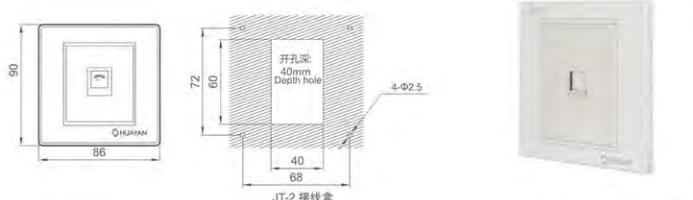
颜色 Colour : 米色 Cream-colored
 外壳材质 Shell material : ABS
 振铃响度 Ringing loudness : >75dB
 双音频按键式话机
 Double tone push button telephone set
 免提通话
 Hands-free calls



JT-2 嵌入式电话接线盒 Flush type connection box

产品说明 (Specification)

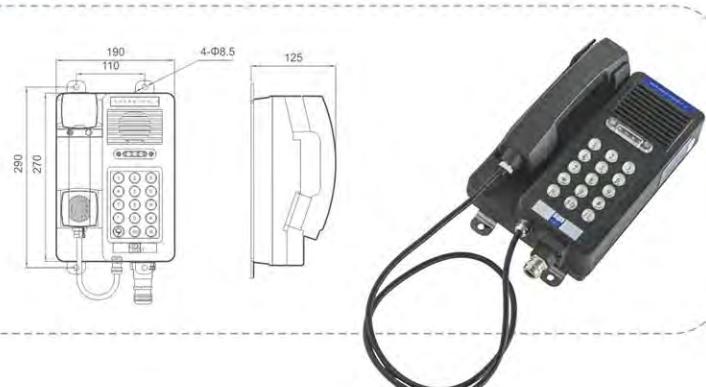
颜色 Colour : 白色 White
 外壳材质 Shell material : ABS
 配HAT-1或HAG-2型自动电话使用
 Used match with HAT-1 and HAG-2 automatic telephone



HAG-1E 防爆自动电话机 Explosion proof auto-telephone

产品说明 (Specification)

颜色 Colour : 亚光黑 Dull black
 外壳材质 Shell material : ABS
 填料函 Cable gland : 1-PG16 (铜质 Copper)
 防爆等级 Explosive-proof grade : Ex ib II CT6
 振铃响度 Ringing loudness : >75dB
 双音频按键式话机 ; 配安全栅使用HA1。
 Double tone push button telephone set, used
 with IS barrier

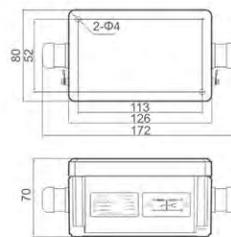


HA-1 防爆安全栅 IS barrier

产品说明 (Specification)

颜色 Colour : 海灰色 Gray
外壳材质 Shell material : 铝质 Aluminium
填料函 Cable gland : 2-PG16 (铜质 Copper)
防爆等级 Explosive-proof grade : Ex ib II C

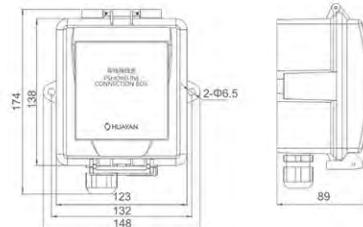
配防爆电话使用，安全栅应该安装在安全区域。
With explosion-proof telephone use, IS barrier
should be installed in the safety zone.



AXX-1 岸线接线盒 Shoreline connection box

产品说明 (Specification)

颜色 Colour : 亚光黑 Dull black
外壳材质 Shell material : ABS
填料函 Cable gland : PG16
用于连接程控交换机和岸线电话互通
Connect auto telephone exchanger to shoreline
telephone together

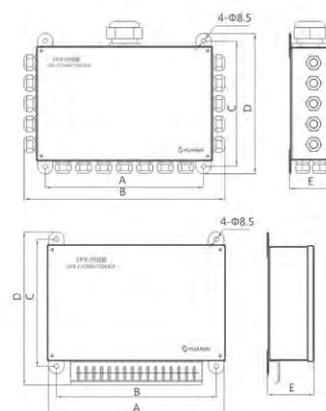


6-24 FX-2 对分线箱 Connection box

产品说明 (Specification)

容量 Capacity : 6-24 By-Pass
颜色 Colour : RAL7035
外壳材质 Shell material : Q235B

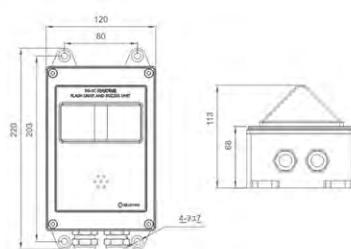
序号 NO	型号 Type	尺寸(A/B/C/D/E) mm/Size
1	6FX-2(IP44)	252/284/140/208/67
2	12FX-2(IP44)	310/376/246/275/89
3	24FX-2(IP44)	310/376/246/275/89
4	6FX-2(IP22)	252/284/140/210/67
5	12FX-2(IP22)	310/340/246/297/90
6	24FX-2(IP22)	310/340/246/297/90



SG-3C 闪光灯铃组 Flash light and buzzer unit

产品说明 (Specification)

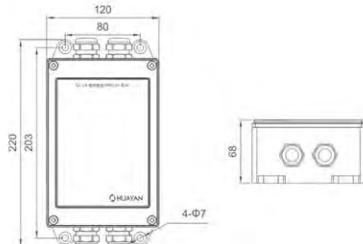
颜色 Colour : 亚光黑 Dull black
外壳材质 Shell material : ABS
填料函 Cable gland : 2-M20x1.5
供电电源 Power supply : AC220V±10%
或 DC24V±10%
报警声压 Alarm sound pressure : ≥90dB



SG-1A 继电器盒 Relay box

产品说明 (Specification)

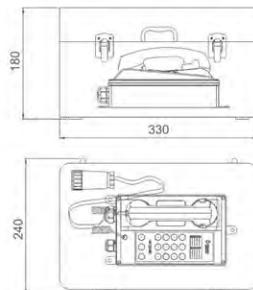
颜色 Colour : 亚光黑 Dull black
 外壳材质 Shell material : ABS
 填料 Cable gland : 4-M20x1.5
 供电电源 Power supply : AC220V±10%
 or DC24V±10%



HA-1X 便携式自动电话机 Portable auto-telephone

产品说明 (Specification)

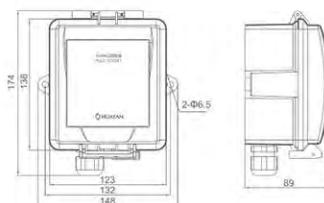
颜色 Colour : 亚光黑 Dull black
 外壳材质 Shell material : ABS
 振铃响度 Ringing loudness : >75dB
 双音频按键式话机
 Double tone push button telephone set



HCZ-1 便携式电话插座盒 Portable telephone socket

产品说明 (Specification)

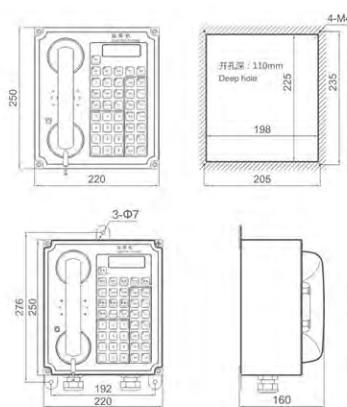
颜色 Colour : 亚光黑 Dull black
 外壳材质 Shell material : ABS
 填料 Cable gland : PG16
 与便携式自动电话配套使用
 Use with portable automatic telephone



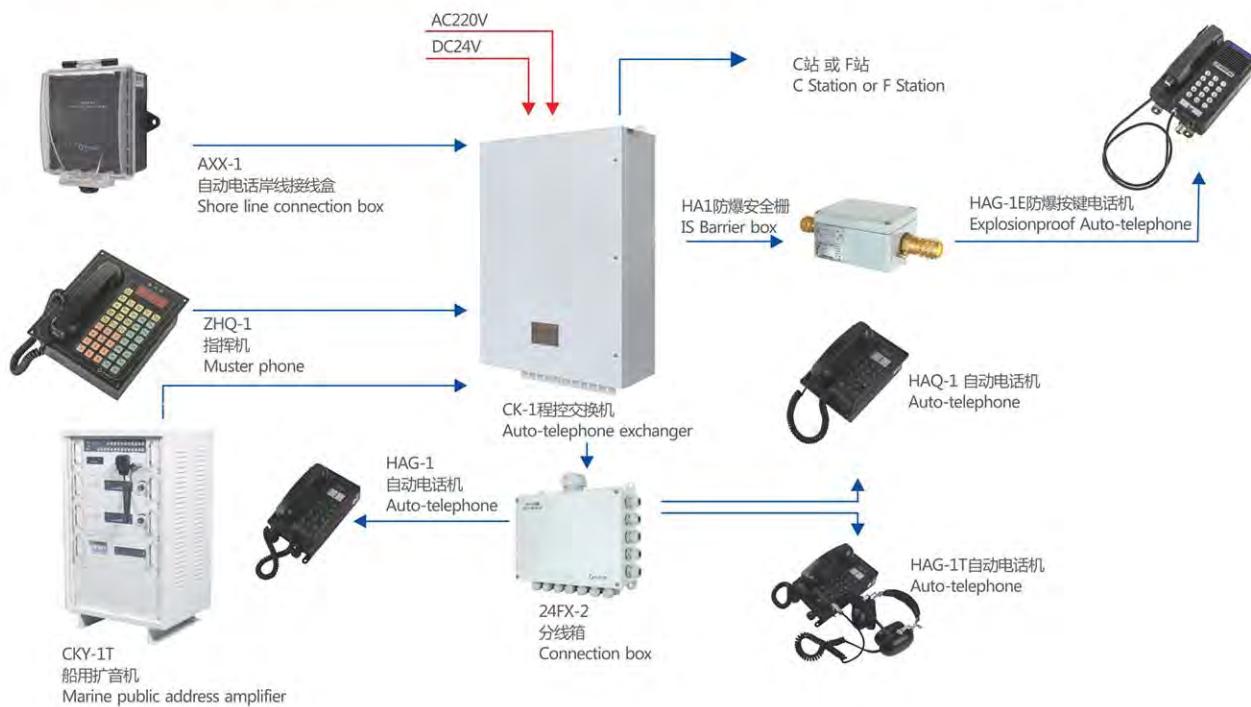
ZHQ-1 ZHG-1 指挥机 Command telephone

产品说明 (Specification)

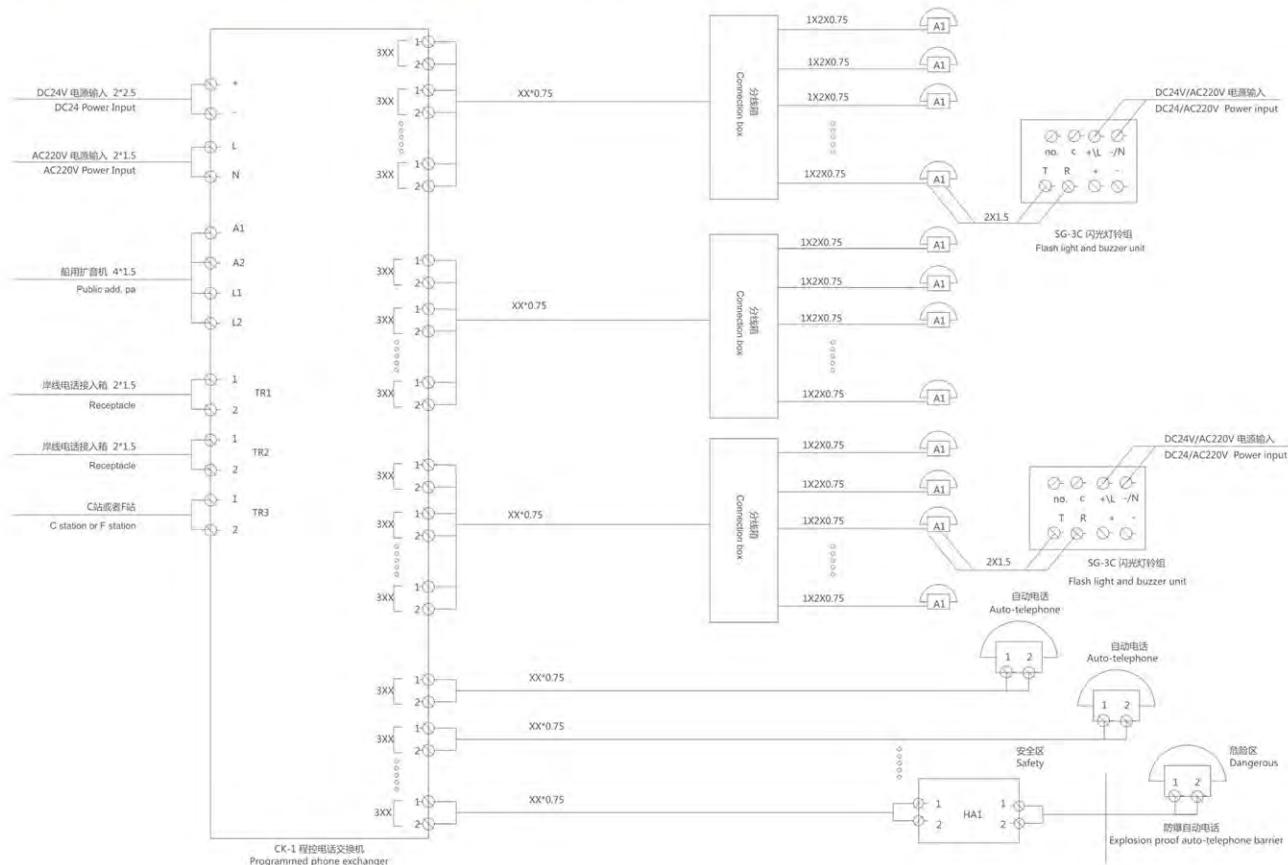
颜色 Colour : 亚光黑 Dull black
 外壳材质 Shell material : Q235B
 振铃响度 Ringing loudness : >75dB
 指挥通话、会议电话、来电显示、快速拨号
 Command conversation, conference phone, caller identification, speed dial



CK系列船用自动电话系统示意图 CK Series marine automatic telephone system schematic diagram



CK系列船用程控电话系统接线示意图 Example for CK series auto telephone system wiring schematic diagram





CHAPTER 5

IP

程控交换机系统

Program-controlled exchange system

系统组成

System composition

序号 No.	名 称 Name & Specification	型 号 Type	重 量 Weight	防 护 等 级 IP Rating
1.	程控交换机 (IP) Program-controlled exchanger	CK-1B	55kg	IP22
2.	台式自动电话机 (IP) Desk type automatic telephone	HAT-1	0.7kg	IP22
3.	壁挂式自动电话机 (IP) Wall mounted automatic telephone	HAG-2	1.3kg	IP44
4.	嵌入式自动电话机 (IP) Flush type automatic telephone	HAQ-1	1.1kg	IP22
5.	台式自动电话机 Desk type automatic telephone	HAT-1	0.7kg	IP22
6.	壁挂式自动电话机 Wall mounted automatic telephone	HAG-2	0.8kg	IP22
7.	嵌入式自动电话机 Flush type automatic telephone	HAQ-1	0.9kg	IP22
8.	壁挂式自动电话机 Wall mounted automatic telephone	HAG-1	1.2kg	IP44
9.	抗噪音壁挂式自动电话机 Anti-noise wall mounted automatic telephone	HAG-1T	1.1+0.7kg	IP44
10.	防风雨式自动电话机 Weather proof automatic telephone	HAG-1F	5.0kg	IP56
11.	防爆自动电话机 Explosion-proof automatic telephone	HAG-1E	2.0kg	IP66
12.	防爆安全栅 IS barrier	HA1	1.08kg	IP44
13.	闪光灯铃组 Flashlight and buzzer unit	SG-3C	0.9kg	IP44
14.	24对分线箱 24 way junction box	24FX-2	3.5kg	IP22

系统介绍

System introduction

程控交换机系统(IP)是融合语音通信、移动办公、开放互联、智简管理等全方位应用要求于一体的通讯设备系统。配合手机APP与电脑客户端管理，轻松实现手机分机互通、多方会议、通话录音管理、信息管理等功能，可实现与无线对讲机互联互通，支持远程遥控广播以及无缝对接卫星站、VHF站通讯，可接入话务台系统，方便管理员进行本地或远程维护管理，作为船舶、舰艇、平台、油田等场所指挥调度生产的重要通信工具。

The program-controlled exchange system (IP) is a communication equipment system that integrates all-round application requirements such as speech communication, mobile office, open interconnection, and intelligence management. With the mobile phone APP and computer client management, it is easy to realize the functions of mobile phone extension, multi-party conference, call recording management, information management, etc. It can realize interconnection with wireless walkie-talkie, support remote broadcast and seamless docking satellite station and VHF station communication. It can be connected to the attendant console system, which is convenient for administrators to carry out local or remote maintenance management, and is an important communication tool for command and dispatch production in ships, vessels, platforms, oil fields and other places.

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功能描述

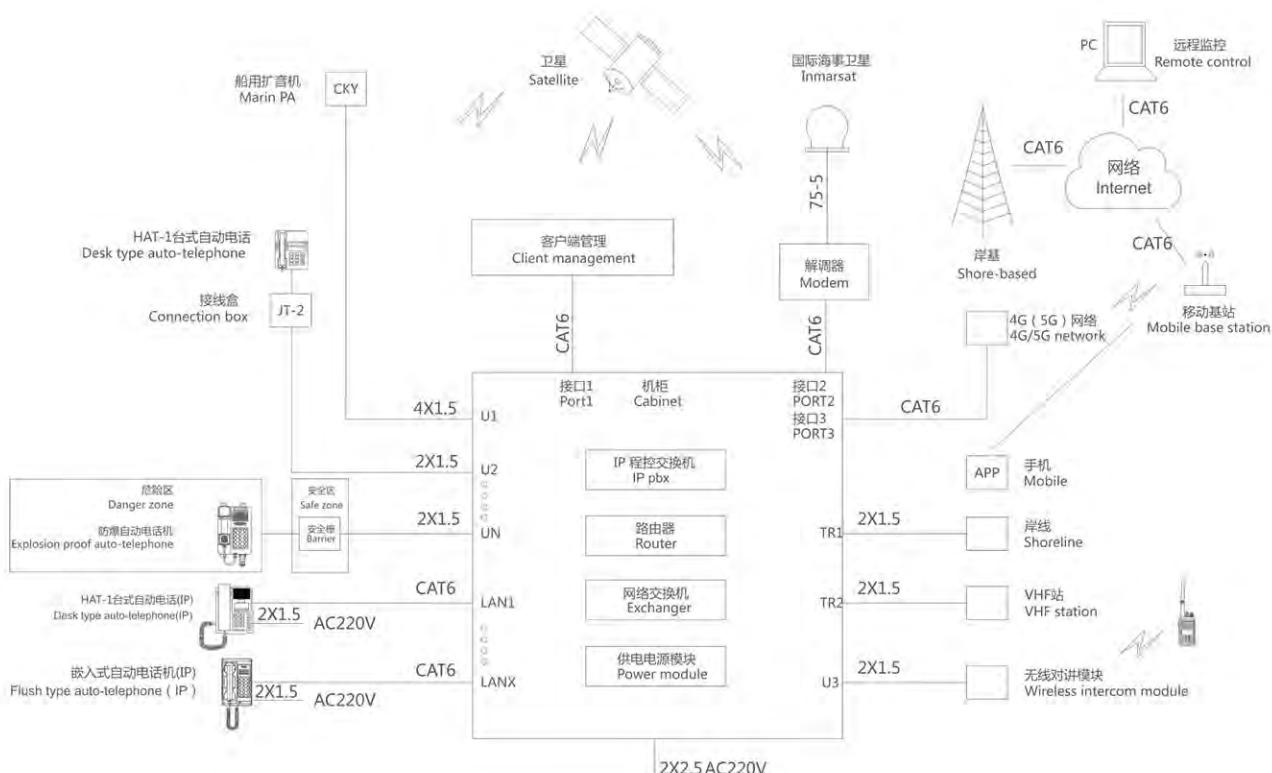
Functional description

功 能 Function	一 级 Level 1	二 级 Level 2	三 级 Level 3
双方通话 Conversation	√	√	√
强插 Force insert	√		
遥控广播 Remote control PA	√	√	
免打扰 No disturbing	√	√	√
叫醒 Wake up	√	√	√
呼叫岸线 Call coast	√	√	
岸线呼入 Coastline call in	√	√	√
呼叫转移 Call divert	√	√	√
电话录音 Phone-call recording	√	√	√
无线对讲机互通 Intercom	√	√	√
手机与分机互通 Cell phone communicates with the extension	√	√	√
客户端管理 Client management	√	√	√

注：标记“√”表示相应用户有此功能，当呼叫发生冲突时，高级用户优先。

Note: the mark "√" indicates that the corresponding user has this function. In case of call conflict, the advanced user shall have priority.

系统接线示意图 System wiring diagram



CHAPTER 6

SZT

组合通讯系统

Integrated communication system



系统组成

System composition

序号 No.	名称 Name & Specification	型号 Type	重量 Weight	防护等级 IP Rating
1.	组合通讯 Integrated communication	SZT-1	90-150kg	IP22
2.	嵌入式指挥机 Flush type command telephone	ZHQ-1	3.5kg	IP22
3.	壁挂式指挥机 Wall mounted command telephone	ZHG-1	4.0kg	IP44
4.	指挥机话筒插座盒 Command telephone mic socket box	YCQ-3	0.6kg	IP20
5.	指挥机话筒插座盒 Command telephone mic socket box	YCG-3	0.5 kg	IP44
6.	指挥机防风雨话筒插座盒 Weather proof command telephone mic socket box	YCG-3F	3.3kg	IP56
7.	嵌入式扬声器 (0.5W/1W/2W/3W/5W) Wall mounted type loudspeaker	YSQ	1.1kg	IP20
8.	壁挂式扬声器 (0.5W/1W/2W/3W/5W) Wall mounted loudspeaker	YSG	1.2kg	IP44
9.	防滴式扬声器 (0.5W/1 W/2W/3W/5W) Watertight loudspeaker	YSP	2.8kg	IP56
10.	吸顶式扬声器 (0.5W/1 W/2W/3W/5W) Ceiling type loudspeaker	YSX	0.7kg	IP20
11.	吸顶式扬声器 (0.5W/1W/2W/3W/5W) Ceiling type loudspeaker	YSX	0.7kg	IP56
12.	双面扬声器 (0.5W/1 W/2W/3W/5W) Double sided loudspeaker	YSS	1.2kg	IP20
13.	调音盒 Volume control box	YTQ-1	0.1kg	IP20
14.	号筒扬声器 (5W) Horn type loudspeaker	YHC5-1	2.0kg	IP56
15.	号筒扬声器 (10W) Horn type loudspeaker	YHC10-1	2.5kg	IP56
16.	号筒扬声器 (15W) Horn type loudspeaker	YHC15-1	5.0kg	IP56
17.	号筒扬声器 (25W) Horn type loudspeaker	YHC25-1	8.0kg	IP56
18.	号筒扬声器 (50W) Horn type loudspeaker	YHC50-1	18.5kg	IP56
19.	号筒扬声器 (100W) Horn type loudspeaker	YHC100-1	19kg	IP56
20.	号筒扬声器 (200W) Horn type loudspeaker	YHC200-1	20kg	IP56
21.	玻璃钢天线 (1.2m) Fiberglass antenna	HTX-1	4.1kg	IP56
22.	玻璃钢天线 (2.5m) Fiberglass antenna	HTX-3	4.1kg	IP56
23.	电动转台 Electric remote rotary platform	YXD-1	22kg	IP56
24.	电动转台控制器 Rotary platform controller	YXD-1K	1.4kg	IP22
25.	台式自动电话 Desk type auto telephone	HAT-1	0.7kg	IP22

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To contents

系统组成

System composition

序号 No.	名 称 Name & Specification	型 号 Type	重 量 Weight	防 护 等 级 IP Rating
26.	壁挂式自动电话机 Wall mounted type auto telephone	HAG-2	0.9kg	IP22
27.	嵌入式自动电话 Flush type auto telephone	HAQ-1	0.9kg	IP22
28.	壁挂式自动电话 Wall mounted type auto telephone	HAG-1	1.2kg	IP44
29.	抗噪音壁挂式自动电话 Antinoise auto telephone	HAG-1T	1.2+0.7kg	IP44
30.	防风雨自动电话 Weather proof auto telephone	HAG-1F	8.7kg	IP56
31.	闪光灯铃组 Flush light and buzzer unit	SG-3C	0.9kg	IP44
32.	暗式接线盒 Telephone terminal box	JT-4	0.049kg	IP20
33.	暗式接线盒 Telephone terminal box	JT-2	0.04kg	IP20

采用标准

Adopt standard

中国船级社《钢质海船入级规范》(2018)及其修改通报第4篇，第2章。

Part 4, chapter2 of CCS"rules for classification of sea-going steel ships~"(2018) and its amendments.

功能描述

Function description

概述 summary

SZ-1系列组合通讯系统是集合程控交换机、船用扩音机系统两大功能于一体的产品。

SZT-1 Integrated communication system is composed of SPC exchange and marine PA system.

1.1 船用扩音机系统 Marine amplifier system

具有扬声器定压输出(AC120V) Having loudspeaker rated voltage output (AC120V)	调频收音MP3 FM radio/MP3	MIC话筒扩音 MIC. amplifier	通用报警接口 General alarm interface
遥控台接口，广播喊话/遥控台之间对讲 Remote control station interface, broadcast call / intercom between remote control stations			紧急讲话功能 Emergency talk function
电源失电声光报警 Power failure sound and alarm	具有BK接口 With BK interface	过压/过流/温度保护，功放独立输出 Overvoltage / overcurrent / temperature protection, independent output of power amplifier	

级别由高到低依次为：紧急讲话(报警时)>报警控制>指挥机，主遥控台>2#~8#副遥控台>电话控制>主机话筒扩音>主机放音。

Level from high to low: emergency talk (alarming)>alarm control>command, master remote control station>2#~8#side remote station>telephone control> main uint microphone sound>The host sound and line input.

1.2 程控交换机系统 Program controlled exchange system

内部通话，拨打外线 Inner communication and dialing outer line	多方通话 Multiparty communication	用户级别：可设定、更改,见程控交换机功能。 User level can set and alter
指挥机接口 Commander interface	遥控广播 Remote broadcast	岸线接口 Line interface

SZT-1 组合通讯主机 Integrated communication main unit

软著专利号 : 2013SR079621
Software copyright PN.



功率 Power	电话门数 Tel.UerS	尺寸 Dimensions						功耗 Power consumption
		A/mm	B/mm	C/mm	D/mm	E/mm	F/mm	
2x100W								2 x 250W+250W
2x200W	8-40	485	1000	400	455	350	9	2 x 500W+250W
2x300W								2 x 800W+250W
								2x400W
								2 x 1200W+250W

产品说明 (Specification)

颜色 Colour : RAL7035
外壳材质 Shell material : Q235B
供电电源 Powe supply : 2*AC220V±10%
2*DC24V±10% ;

ZHQ-1 ZHG-1 指挥机 Command telephone

产品说明 (Specification)

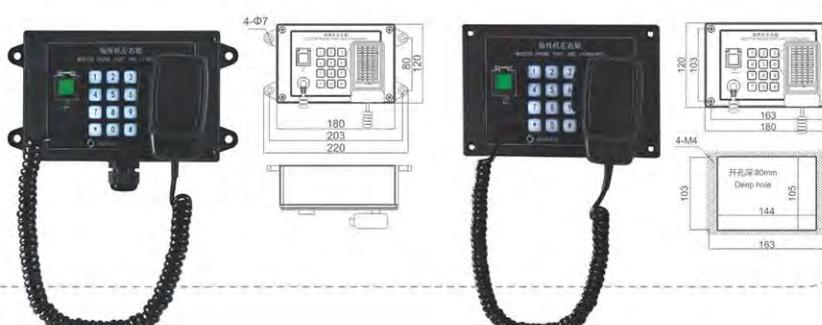
颜色 Colour : 亚光黑 Dull black
外壳材质 Shell material : Q235B
振铃响度 Ringing loudness : >75dB
指挥通话、会议电话、来电显示、快速拨号
Command conversation, conference phone,
caller identification, speed dial



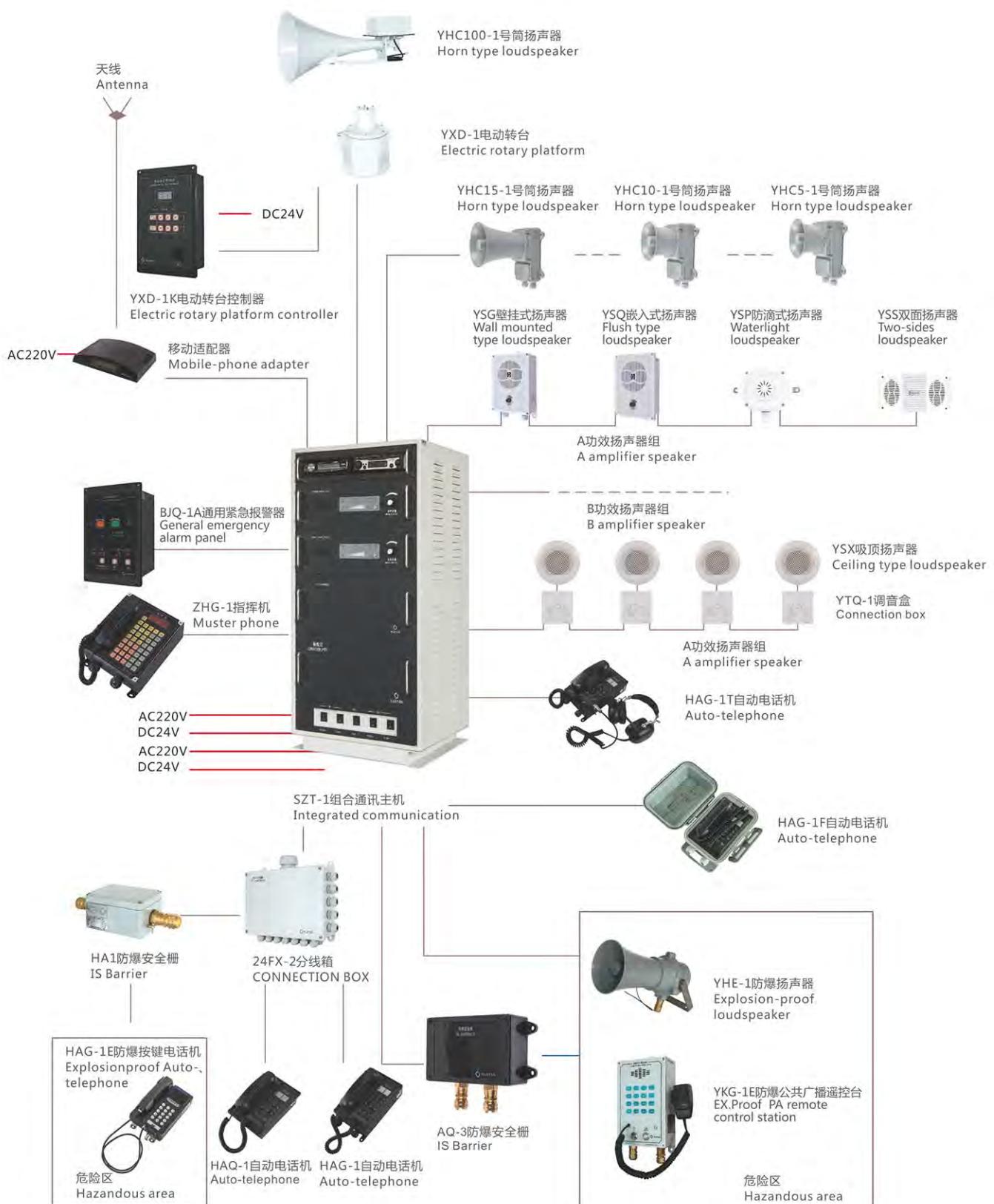
YCG-3 YCQ-3 指挥机话筒插座盒 Command telephone mic socket box

产品说明 (Specification)

颜色 Colour : 亚光黑 Dull black
外壳材质 Shell material : ABS
填料函 Cable gland : PG 13.5/-
配指挥机使用，与指挥机连接为2芯线
Used with command telephone, the connect
cable is 2 core line
需要防护等级到达IP56配防风雨箱子安装
Need protection grade arrives at the Ip56 matched
with a weatherproof box installation

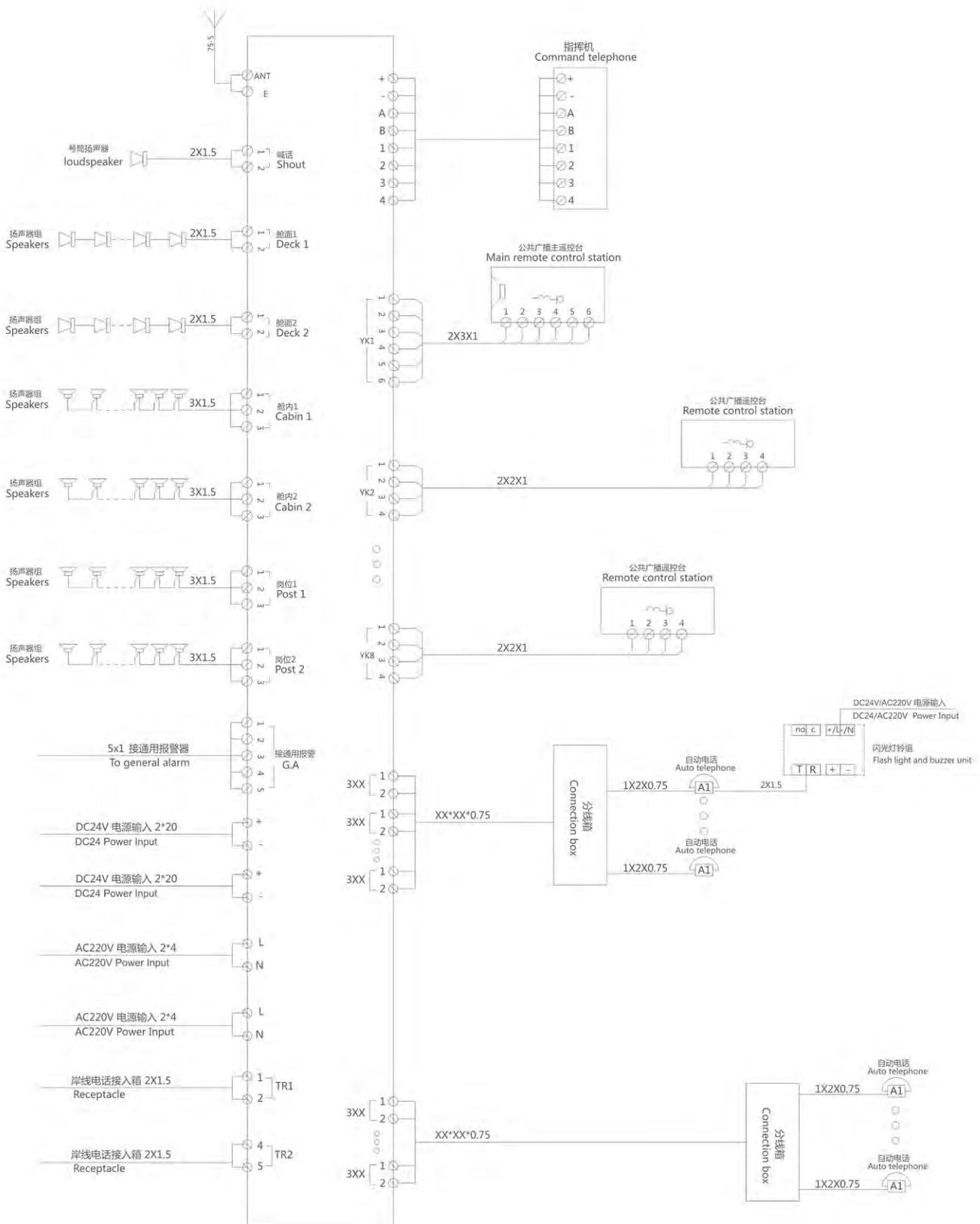


SZT组合通讯系统示意图 Integrated communication system schematic diagram



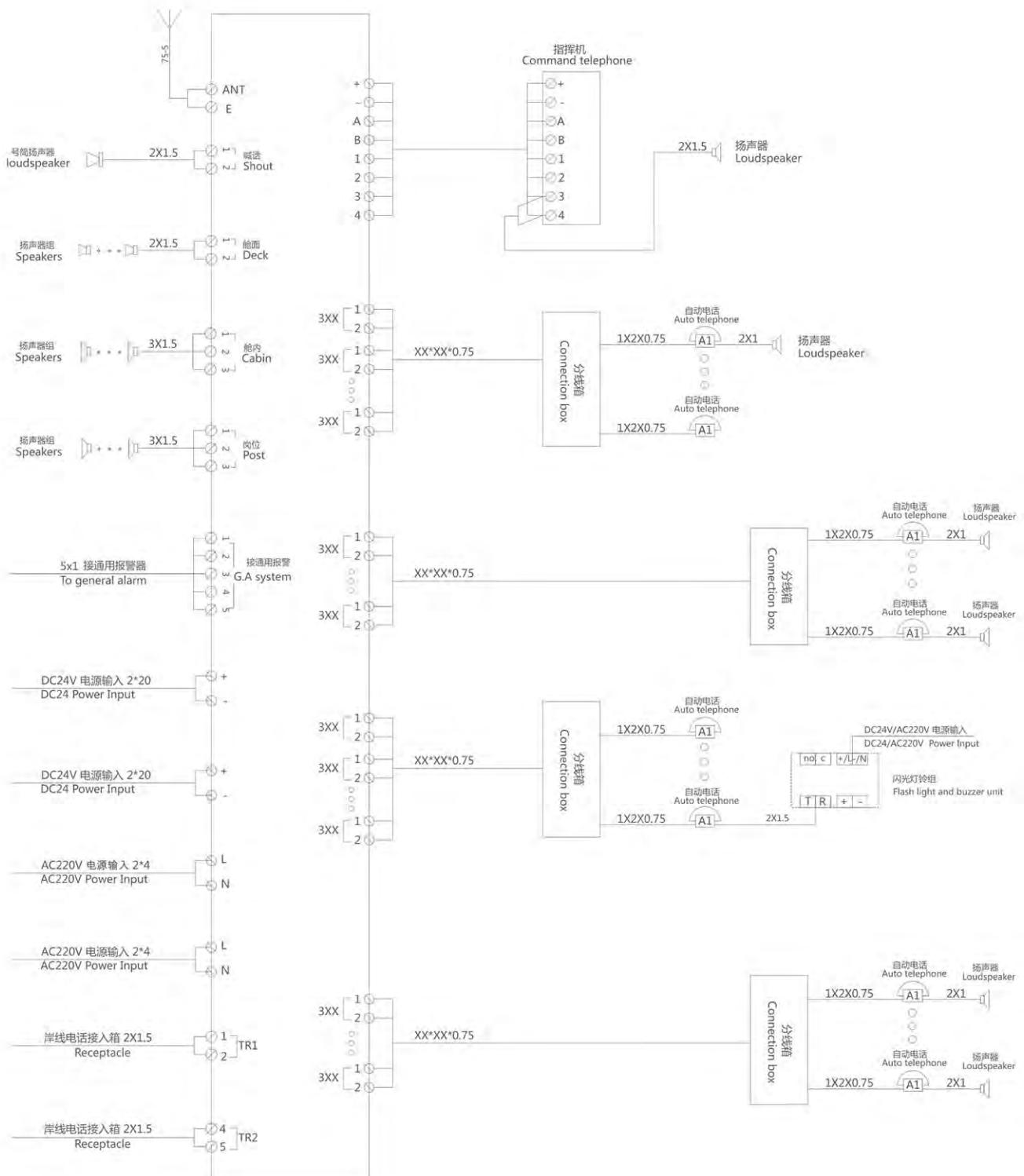
组合通讯系统接线示意图 (无扬声)

Integrated communication system wiring schematic diagram (Without loudspeaker)



组合通讯系统接线示意图 (带扬声)

Integrated communication system wiring schematic diagram (With loudspeaker)





CHAPTER 7

HS系列 船用声力电话系统

Batteryless telephone system

系统组成

System composition

序号 No.	名称 Name & Specification	型号 Type	重量 Weight	防护等级 IP Rating
1.	声力电话机(嵌入式) Flush type batteryless telephone	HSQ-1	1.1kg	IP22
2.	声力电话机(壁挂式) Wall mounted batteryless telephone	HSG-1	1.3kg	IP44
3.	声力电话机(嵌入式抗噪音) Single-way batteryless telephone(Flush type antinoise)	HSQ-1T	1.1+0.7kg	IP22
4.	声力电话机(抗噪音) Batteryless telephone(Antinoise)	HSG-1T	1.3+0.7kg	IP44
5.	声力电话机(防风雨) Batteryless telephone(Weather proof)	HSG-1F	8.5 kg	IP56
6.	声力电话机(防风雨抗噪音) Single-way batteryless telephone(Weather proof antinoise)	HSG-1TF	8.5+0.7kg	IP56
7.	6门选通声力电话机(嵌入式) Selective batteryless telephone(6 way Flush type)	6HSQ-1	1.2kg	IP22
8.	6门选通声力电话机(壁挂式) Selective batteryless telephone(6 way Wall mounted)	6HSG-1	1.4kg	IP44
9.	6门选通声力电话机(嵌入式抗噪音) Selective batteryless telephone(6 way Flush type antinoise)	6HSQ-1T	1.2+0.7kg	IP22
10.	6门选通声力电话机(抗噪音) Selective batteryless telephone(6 way antinoise)	6HSG-1T	1.4+0.7kg	IP44
11.	6门选通声力电话机(防风雨) Selective batteryless telephone(6 way Weather proof)	6HSG-1F	8.5kg	IP56
12.	6门选通声力电话机(防风雨抗噪音) Selective batteryless telephone(6 way Weather proof antinoise)	6HSG-1TF	8.5+0.7kg	IP56
13.	12门选通声力电话机(嵌入式) Selective batteryless telephone(12 way Flush type)	12HSQ-1	1.2kg	IP22
14.	12门选通声力电话机(壁挂式) Selective batteryless telephone(12 way Wall mounted)	12HSG-1	1.4kg	IP44
15.	12门选通声力电话机(嵌入式抗噪音) Selective batteryless telephone(12 way Flush type antinoise)	12HSQ-1T	1.2+0.7kg	IP22
16.	12门选通声力电话机(抗噪音) Selective batteryless telephone(12 way antinoise)	12HSG-1T	1.4+0.7kg	IP44
17.	12门选通声力电话机(防风雨) Selective batteryless telephone(12 way Weather proof)	12HSG-1F	8.5kg	IP56
18.	12门选通声力电话机(防风雨抗噪音) Selective batteryless telephone(12 way Weather proof antinoise)	12HSG-1TF	8.5+0.7kg	IP56
19.	16门选通声力电话机(嵌入式) Selective batteryless telephone(16 way Flush type)	16HSQ-1	1.2kg	IP22
20.	16门选通声力电话机(壁挂式) Selective batteryless telephone(16 way Wall mounted)	16HSG-1	1.4kg	IP44
21.	16门选通声力电话机(嵌入式抗噪音) Selective batteryless telephone(16 way Flush type antinoise)	16HSQ-1T	1.2+0.7kg	IP22
22.	16门选通声力电话机(抗噪音) Selective batteryless telephone(16 way antinoise)	16HSG-1T	1.4+0.7kg	IP44
23.	16门选通声力电话机(防风雨) Selective batteryless telephone(16 way Weather proof)	16HSG-1F	8.5kg	IP56
24.	16门选通声力电话机(防风雨抗噪音) Selective batteryless telephone(16 way Weather proof antinoise)	16HSG-1TF	8.5+0.7kg	IP56

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系统组成

System composition

序号 No.	名 称 Name & specification	型 号 Type	重 量 Weight	防 护 等 级 IP rating
25.	24门选通声力电话机(嵌入式) Selective batteryless telephone(24 way Flush type)	24HSQ-1	1.2kg	IP22
26.	24门选通声力电话机(壁挂式) Selective batteryless telephone(24 way Wall mounted)	24HSG-1	1.4kg	IP44
27.	24门选通声力电话机(嵌入式抗噪音) Selective batteryless telephone(24 way Flush type antinoise)	24HSQ-1T	1.2+0.7kg	IP22
28.	24门选通声力电话机(抗噪音) Selective batteryless telephone(24 way antinoise)	24HSG-1T	1.4+0.7kg	IP44
29.	24门选通声力电话机(防风雨) Selective batteryless telephone(24 way Weather proof)	24HSG-1F	10kg	IP56
30.	24门选通声力电话机(防风雨抗噪音) Selective batteryless telephone(24 way Weather proof antinoise)	24HSG-1TF	10+0.7kg	IP56
31.	壁挂式直通防爆声力电话机 Wall mounted explosion proof batteryless telephone	HS-2E	3.2kg	IP22
32.	6门选通防爆声力电话机 Selective explosion proof batteryless telephone(6 Way)	6HS-2E	3.3kg	IP22
33.	12门选通防爆声力电话机 Selective explosion proof batteryless telephone(12way)	12HS-2E	3.4kg	IP22
34.	防爆安全栅 IS barrier	AQ-2	0.7kg	IP44
35.	便携式声力电话机 Portable batteryless telephone	HS-1X	2.7kg	IP44/2米线长
36.	6门便携式声力电话机 Portable batteryless telephone(6 way)	6HS-1X	3.0kg	IP44/2米线长
37.	12门便携式声力电话机 Portable batteryless telephone(12 way)	12HS-1X	3.0kg	IP44/2米线长
38.	6门汇接箱 6-way distribution box	6HJ-1	3.3/3.5kg	IP22/IP44
39.	12门汇接箱 6-way distribution box	12HJ-1	6.1/6.6kg	IP22/IP44
40.	16门汇接箱 6-way distribution box	16HJ-1	7.3/7.8kg	IP22/IP44
41.	24门汇接箱 6-way distribution box	24HJ-1	9.7/10.5kg	IP22/IP44
42.	继电器盒 Relay box	SG-1A	0.7kg	IP44
43.	闪光灯铃组 Flash light and buzzer unit	SG-3C	0.9kg	IP44
44.	直通声力电话插座盒 Batteryless telephone socket box	CZ-1	0.5kg	IP44
45.	6门选通声力电话插座盒 6-way Selective batteryless telephone socket box	6CZ-1	0.8kg	IP44
46.	12门选通声力电话插座盒 12-way Selective batteryless telephone socket box	12CZ-1	0.8kg	IP44

采用标准

Adopt standard

中国船级社《钢质海船入级规范》(2018)及其修改通报第4篇，第2章
Part 4, chapter2 of CCS"rules for classification of sea-going steel ships~"(2018) and its amendmernts.

功能描述

Function description

- ① 声力电话机在有24V电源时能进行增音通话。
- ② 无电源增音：声力电话机无需外部供电，仅由话机的手摇发电机产生的电量，经过电路储能，可供声力电话机通话，话音清晰。
- ③ 驾驶室选通声力电话具有忙线插入功能。
- ④ 声力电话自带一副无源触点(2A)输出到机舱报警灯板系统。

- ① Sound powered telephone in 24V power supply can make repeater call.
- ② No power repeater: acoustic force telephone without external power supply,only by the unit'shand generator produces power after, circuit storage for acoustic force telephone call,clear voice .
- ③ Bridge gate acoustic force telephone has busy line insertion function,
- ④ Batteryless telephone take a pair of passive contact (2A) output to the engine room alarm lamp system.

主要技术指标

Main technical parameter

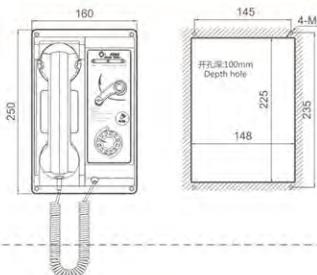
环境噪音 The environment noise : $\leq 80\text{dB}$
 加头戴送受话时 Head send receiver : $\leq 110\text{dB}$
 收讯铃响度 Reception volume : $\geq 85\text{dB}$
 供电电源 Power supply : DC24V $\pm 10\%$
 功率 Power : 10W

HSQ-1 6HSQ-1 12HSQ-1 16HSQ-1 嵌入式直通声力电话 Flush type batteryless telephone

产品说明 (Specification)

颜色 Colour : 亚光黑 Dull black
 外壳材质 Shell material : ABS
 供电电源 Power supply : DC24V $\pm 10\%$

选通声力电话和直通声力电话机设备安装尺寸相同
 The installation size of the selective batteryless telephone is the same as batteryless telephone

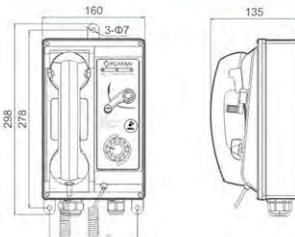


HSG-1 6HSG-1 12HSG-1 16HSG-1 壁挂式直通声力电话 Wall mounted batteryless telephone

产品说明 (Specification)

颜色 Colour : 亚光黑 Dull black
 外壳材质 Shell material : ABS
 填料函 Cable gland : 1-PG25;1-PG16
 供电电源 Power supply : DC24V $\pm 10\%$

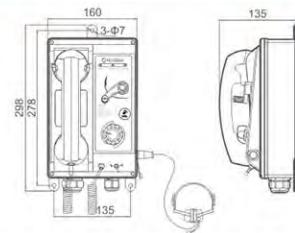
选通声力电话和直通声力电话机设备安装尺寸相同
 The installation size of the selective batteryless telephone is the same as batteryless telephone



HSG-1T 6HSG-1T 12HSG-1T 16HSG-1T 抗噪音声力电话 Antinoise resistant batteryless telephone

产品说明 (Specification)

颜色 Colour : 亚光黑 Dull black
 外壳材质 Shell material : ABS
 填料函 Gable gland : 2-PG25;1-PG16
 供电电源 Power supply : DC24V $\pm 10\%$
 头戴耳机常规线长为3m, 有特殊要求需注明线长度。
 Conventional headphones cable 3m,
 special requirements to be indicated.

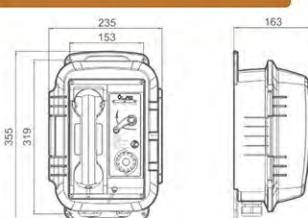


HSG-1F 6HSG-1F 12HSG-1F 16HSG-1F 防风雨声力电话 Weather proof batteryless telephone

外观专利号 : ZL 2017 3 0269129.7
 Outline copyright PN.

产品说明 (Specification)

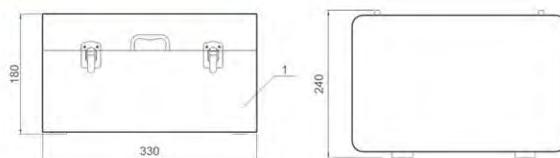
颜色 Colour : 中绿灰 BG01 Mid. glaucous
 外壳材质 Shell material : ABS
 (可选Q235B、不锈钢材质 Option Q235B/SUS)
 填料函 Cable gland : 2-PG21
 供电电源 Power supply : DC24V $\pm 10\%$



HS-1X 6HS-1X 12HS-1X 16HS-1X 便携式声力电话 Portable batteryless telephone

产品说明 (Specification)

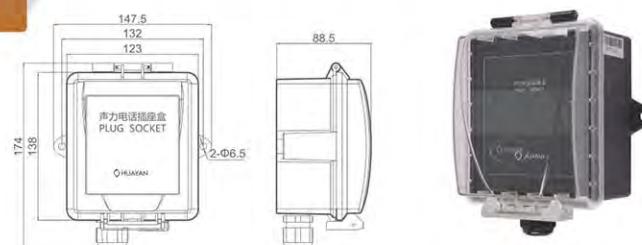
颜色 Colour : 亚光黑 Dull black
外壳材质 Shell material : ABS
供电电源 Power supply : DC24V±10%



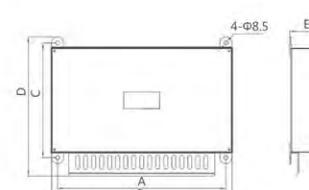
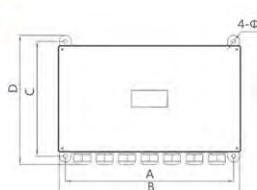
CZ-1 便携声力电话插座盒 Portable batteryless telephone plug socket

产品说明 (Specification)

颜色 Colour : 亚光黑 Dull black
外壳材质 Shell material : ABS
填料函 Cable gland : PG16
用于便携式声力电话
Application for portable batteryless telephone



6/12/16/24HJ-1 6门/12门/16门/24门 汇接箱 Distribution box



序号 NO	型号 Type	尺寸(A/B/C/D/E) mm/Size
1	6HJ-1(IP44)	310/340/246/275/90
2	12HJ-1(IP44)	420/450/286/316/90
3	16HJ-1(IP44)	614/654/300/360/107
4	24HJ-1(IP44)	810/844/576/637/135

序号 NO	型号 Type	尺寸(A/B/C/D/E) mm/Size
5	6HJ-1(IP22)	310/340/246/295/90
6	12HJ-1(IP22)	420/450/286/345/90
7	16HJ-1(IP22)	614/654/300/362/107
8	24HJ-1(IP22)	810/844/576/638/135

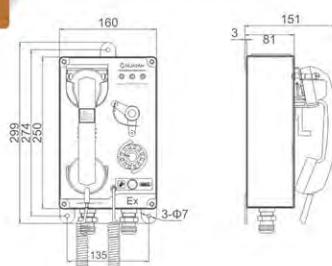
产品说明 (Specification)

颜色 Colour : RAL7035
外壳材质 Shell material : Q235B
用于声力电话系统
Application for batteryless telephone system

HS-2E 防爆壁挂式声力电话 Explosionproof batteryless telephone (Wall mounted)

产品说明 (Specification)

容量 Capacity : 1User/6 User/12 User
颜色 Colour : 表面亚光黑/Surface dull black
外壳材质 Shell material : 铝质 Aluminum
填料函 Cable gland : PG25;PG16 (铜质 Copper)
供电电源 Power supply : DC24V±10%
防爆等级 Explosive-proof grade : Exib II CT4 Gb

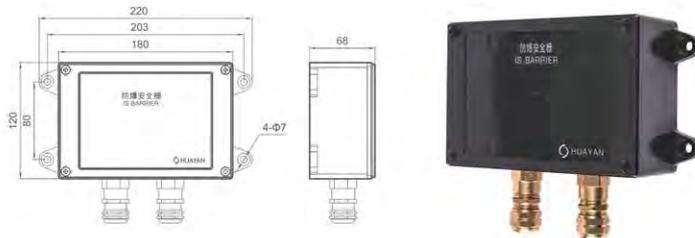


AQ-2 防爆安全栅 IS Barrier

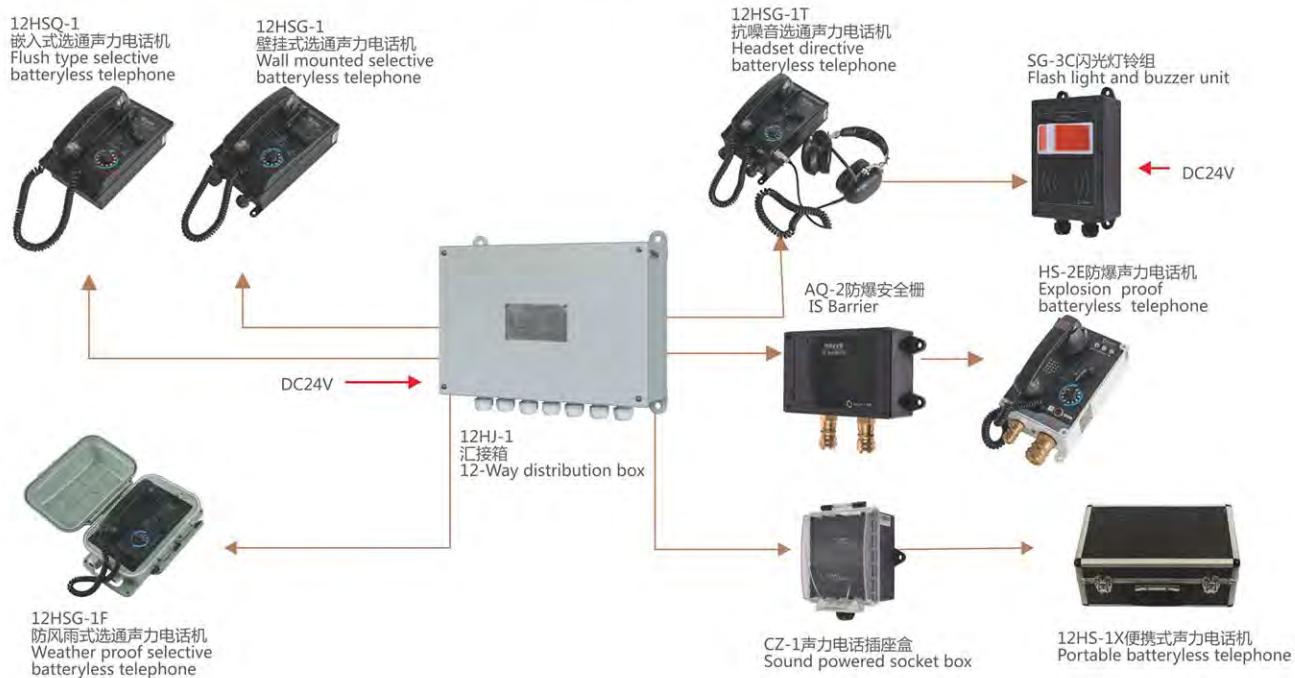
产品说明 (Specification)

颜色 Colour : 亚光黑 Dull black
 外壳材质 Shell material : ABS
 填料函 Cable gland : 2-PG16 (铜质 Copper)
 供电电源 Power supply : DC24V±10%
 防爆等级 Explosive-proof grade : Ex ib II CT4
 最大工作电压 Max power supply : 17V

置于防爆声力电话前端，安装在安全区。
 To be installed in safety area , connection to exproof batteryless telephone.

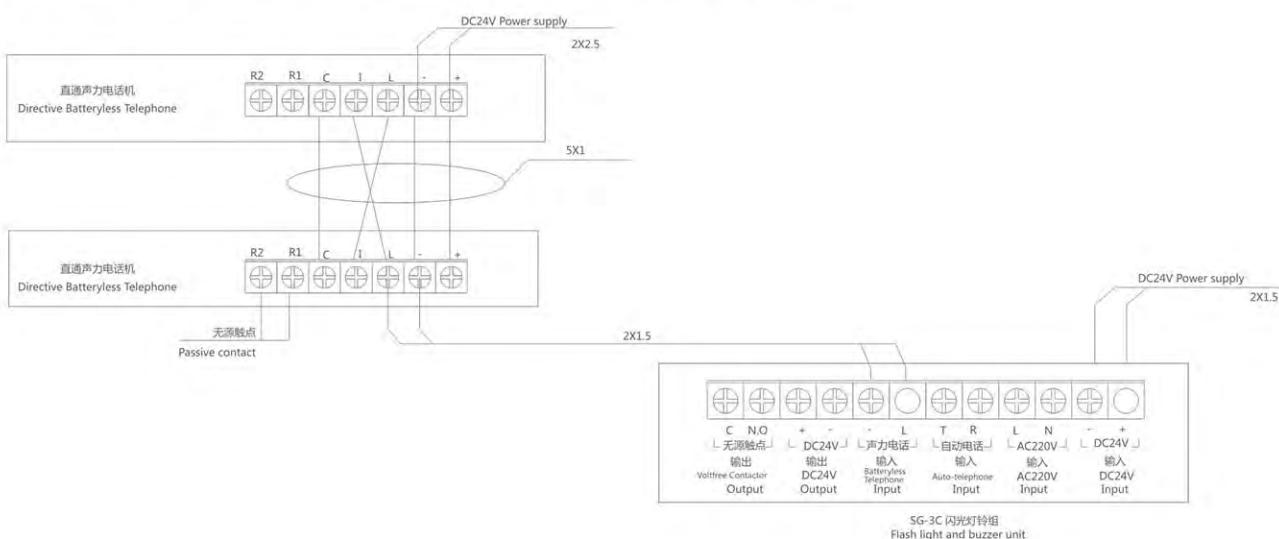


HS选通型系统示意图 HS Series selective type system schematic diagram

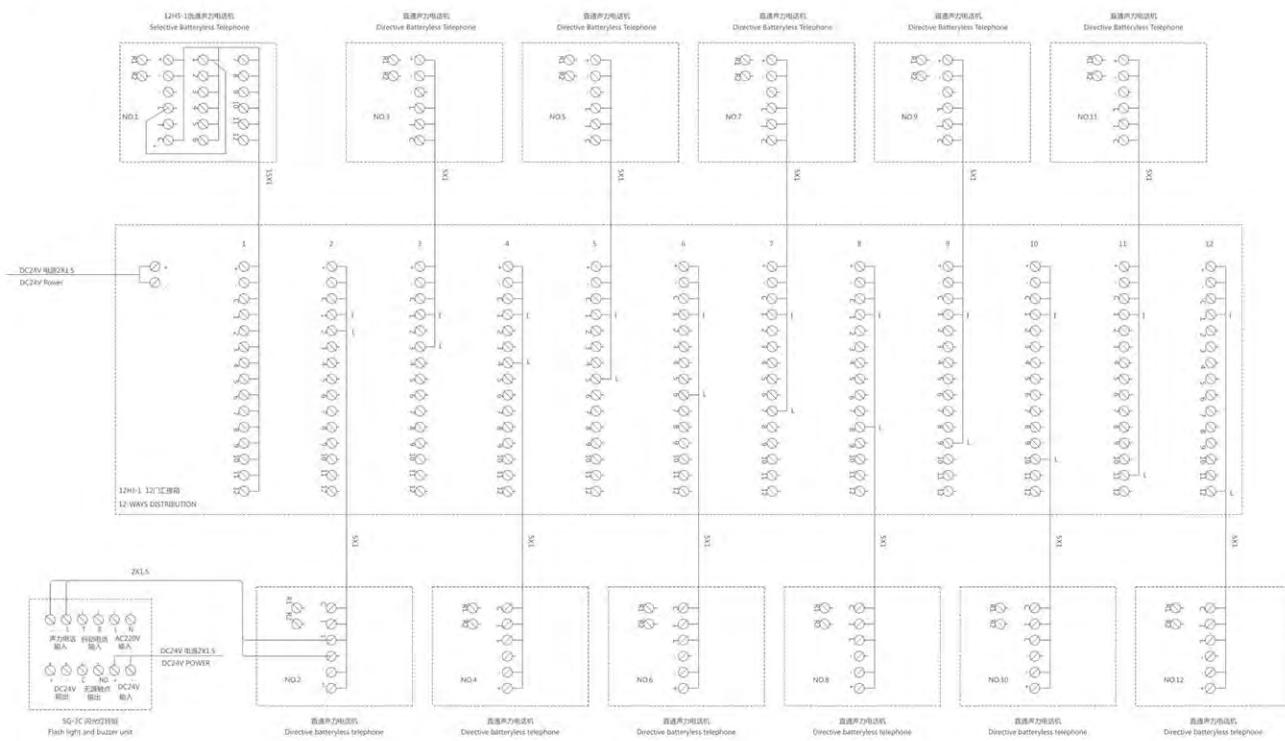


HS系列声力电话系统接线示意图 HS Series batteryless telephone system wiring schematic drawing

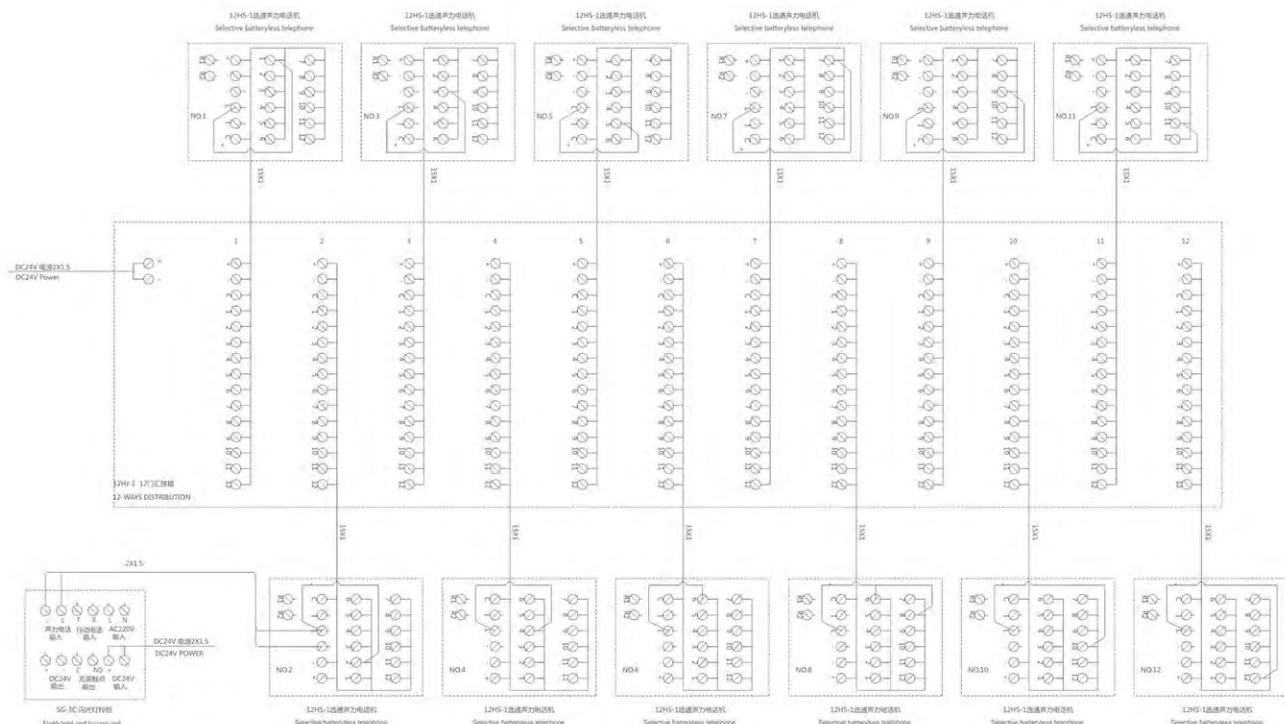
① 直通型 Directive type 直通声力电话单机连接方式 The connection between directive Batteryless Telephones



② 指挥型 Command type



③ 选通型 Selective type



CHAPTER 8

BJQ 通用紧急报警系统

General emergency alarm system



系统组成

System composition

序号 No.	名称 Name & Specification	型号 Type	重量 Weight	防护等级 IP Rating
1.	通用紧急报警器 General emergency controller	BJQ-1A	2.02kg	IP22
2.	报警电源箱 Power box for general emergency alarm system	DF-1	12.46kg	IP22
3.	通用报警按钮 General alarm button	BJ-AN-Q	0.5kg	IP22
4.	通用报警按钮 General alarm button	BJ-AN-G	0.6kg	IP44
5.	通用报警按钮 (防风雨) General alarm button(Weather proof)	BJ-AN-GF	1.2kg	IP56
6.	通用报警按钮延伸板 General alarm button extension plate	BJ-AN-2Q	0.6kg	IP22
7.	通用报警按钮延伸板 General alarm button extension plate	BJ-AN-4Q	0.6kg	IP22
8.	通用报警按钮 General alarm button	BJ-3AN-Q	0.6kg	IP22
9.	通用报警按钮 General alarm button	BJ-3AN-G	0.6kg	IP44
10.	通用报警按钮 (防风雨) Universal alarm button(Weather proof)	BJ-3AN-GF	1.2kg	IP56
11.	报警遥控台 Alarm remote control station	YKQ-2/1	1.85kg	IP22
12.	报警遥控台 Alarm remote control station	YKG-2/1	0.8kg	IP44
13.	报警遥控台 Alarm remote control station	YKG-2/1F	0.8kg	IP56
14.	报警遥控台 Alarm remote control station	YKG-2	1.2kg	IP44
15.	防风雨报警遥控台 Weather proof alarm remote control station	YKG-2F	3.1kg	IP56
16.	报警遥控台 Alarm remote control station	YKQ-2/3	1.2kg	IP22
17.	报警遥控台 Alarm remote control station	YKG-2/3	0.8kg	IP44
18.	防风雨报警遥控台 Weather proof alarm remote control station	YKG-2/3F	1.0kg	IP56
19.	船用警报器 Marine alarm siren	SG-6BZ SG-6BJ	1.3/1.8kg	IP56
20.	船用警报器 Marine alarm siren	SG-6B1Z SG-6B1J	1.7/2.2kg	IP56
21.	船用警报器 Marine alarm siren	SG-6LZ SG-6LJ	1.7/2.2kg	IP56
22.	船用警报器 Marine alarm siren	SG-6L1Z SG-6L1J	1.44/1.94kg	IP56

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系统组成

System composition

序号 No.	名 称 Name & Specification	型 号 Type	重 量 Weight	防 护 等 级 IP Rating
23.	船用警报器 Marine alarm siren	SG-6B3Z SG-6B3J	1.1/1.2kg	IP56
24.	船用警报器 Marine alarm siren	SG-6L3Z SG-6L3J	1.5/1.6kg	IP56
25.	船用警报器 Marine alarm siren	SG-6L2Z SG-6L2J	0.84/0.94kg	IP44
26.	船用警报器 Marine alarm siren	SG-6QZ SG-6QJ	0.2/0.3kg	IP20
27.	船用警报器 Marine alarm siren	SG-6B/TYZ SG-6B/TYJ	0.9/1.0kg	IP56
28.	船用警报器 Marine alarm siren	SG-7QZ SG-7QJ	0.3/0.5kg	IP20
29.	船用警报器 Marine alarm siren	SG-7GZ SG-7GJ	0.5/0.7kg	IP44
30.	船用警报器 Marine alarm siren	SG-7QXZ SG-7QXJ	0.2/0.4kg	IP20
31.	船用警报器 Marine alarm siren	SG-7B/TYZ SG-7B/TYJ	0.5/0.7kg	IP44
32.	闪光灯铃组 Flashing light and bell unit	SG-3C	0.9kg	IP44
33.	鸣音器 Buzzer	SG-4B	0.34kg	IP20
34.	鸣音器 Buzzer	SG-4B	0.34kg	IP56
35.	电子铃 Electrical bell	SG-41B	0.4kg	IP56
36.	防爆声光报警器 Explosion Sound and light alarm	Bbj-ZR	2.6kg	IP65
37.	带熔断器接线箱 Connection box with fuse	JXTR8	3.0kg	IP44/IP22
38.	带熔断器接线箱 Connection box with fuse	JXTR12	4.0kg	IP44/IP22
39.	带熔断器接线箱 Connection box with fuse	JXTR24	6.5kg	IP44/IP22
40.	防爆电铃 Explosion bell	BAL-24D	3.7kg	IP54
41.	警示灯 Caution light	LTE5102	0.24kg	IP56

采用标准

Adopt standard

- ① 中国船级社《钢质海船入级规范》(2018)及其修改通报第4篇，第2章；
 ② MSC.48(66)国际救生设备规则(LSA)及MSC.218(82)第VII章；
 ③ 国际海事组织A.1021 (26)决议《2009警报器和指示器规则》。

- ① Chapter2, part 4 of CCS rules for the classification of sea-going steel ships 2018 and its amendments;
 ② Chapter, of MSC.48(66) international life-saving appliance code (LSA) and its amendment MSC.218(82);
 ③ IMO resolution A. 1021(26) code on alerts and indicators,2009.

功能描述

Function description

“通用紧急报警、火灾报警、手动报警”等不同报警信号，并具有报警优先级，报警信号可通过广播系统发出。

The general emergency alarm panel has automatic and manual alarm function. Such alarm signals as "general emergency alarm, fire alarm and manual alarm" and have very priorities. The PA amplifier's emergency speech signal can pause alarm system. Once the signal is cleared, The alarm panel will return to original. The interfaces for the fog horn and the E/R alarm indicator column are available. The input interface for remote control alarm is also available. In addition, the signal panel is characterized and dimmer, in order to operate at night.

主要技术指标

Main technical parameter

供电电源 Power supply

电源1 Power1 : AC220V±10%和DC24V±10%二路电源同时供电，自动切换 (Two power supply at the same time and automatic exchange)。

电源2 (客船) Power2(Passenger ship) : 2*AC220V±10%和DC24V±10% , 三路电源供电 , 自动切换 (Exchange three-way power supply, automatic exchange)。

警信号类别 Kind of alarm signal

※ 通用紧急报警信号 General alarm signals : (1周期)7短1长循环输出(注:以上信号短音为1S, 长音为5S, 间隔1S)(one cycle) seven short one long loop output (remarks :the mentioned signals short is 1s,long is 5s and spacing 1s)

※ 火灾信号 Fire signals : 连续调频输出 Continuous frequency modulation output

※ 手动报警信号 Manual alarm signals : 依按键通/断发送信号 According to the press on/off sending signals

报警优先级 Alarm priority



输入接口 Input interface

※ 火灾报警触点信号 Frie alarm contact signal

※ 报警遥控台 Alarm remote control station

※ 通用报警按钮 General alarm button

输出接口 Output interface

※ 警报指示器继电器箱 Alarm indicator relay box

※ 切断娱乐设备电源 Cut off entertainment equipment power

※ 广播主机 Broadcast main unit

※ 雾笛控制板 Fog horn controller

※ 机舱监测报警 E/R monitor alarm

※ VDR (RS485) , 通讯协议为 NMEA 0183

The communication protocol is NMEA 0183

BJQ-1A 通用紧急报警器 General emergency alarm

产品说明 (Specification)

颜色 Colour : 亚光黑 Dull black

外壳材质 Shell material : ABS

供电电源 Power supply : AC220V±10%

DC24V±10%

用于各类船舶 , 有手动报警和通用报警二纽。
Used for all kinds of vessels, have two buttons,
manual and automation.

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Software copyright PN.



BJQ-1A 通用紧急报警器 General emergency alarm

产品说明 (Specification)

颜色 Colour : 亚光黑 Dull black

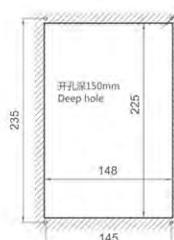
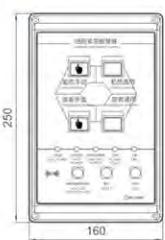
外壳材质 Shell material : ABS

供电电源 Power supply : 2*AC220V±10%

DC24V±10%

用于各类客船 , 有船员手动、船员通用、旅客手动和旅客通用四纽。
Used for all kinds of passenger ship, have four buttons,
crew manual, crew general, passenger manual, passenger general.

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Software copyright PN.



DF-1 通用紧急报警电源箱 Power box for G.E.A system

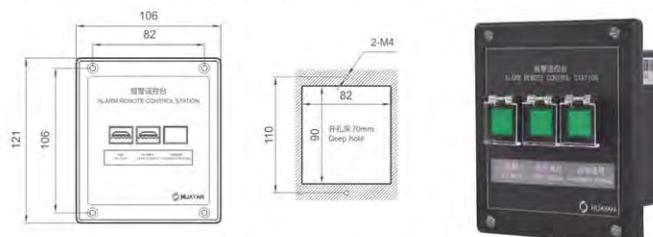


产品说明 (Specification)

颜色 Colour : RAL7035
外壳材质 Shell material : Q235B
供电电源 Power supply : AC220V±10%,DC24V±10% or 2*AC220V±10%,DC24V±10% (客船 Passenger ship)
输出功率 Rated power output : 200W/600W
功耗 Power consumption : 250W/750W

序号 NO	功率W Power	尺寸(A/B/C/D/E/F)mm Size	功耗W Power consumption	重量Kg Weight
1	200W(货船)	352/384/190/312/122/8.5	250W	5.8kg
2	600W(货船)	450/484/305/375/160/9	750W	12.9kg
3	200W(客船)	352/384/190/312/122/8.5	250W	9.4kg
4	600W(客船)	450/484/305/375/160/9	750W	13.4kg

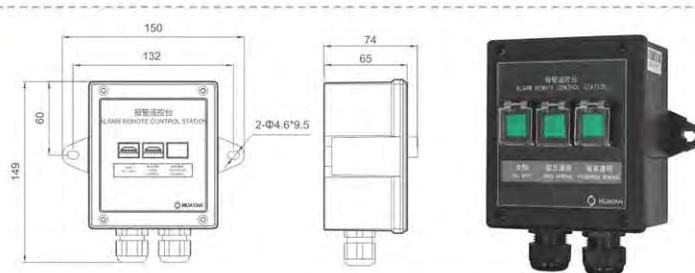
YKQ-2/3 报警遥控台 Alarm remote control station



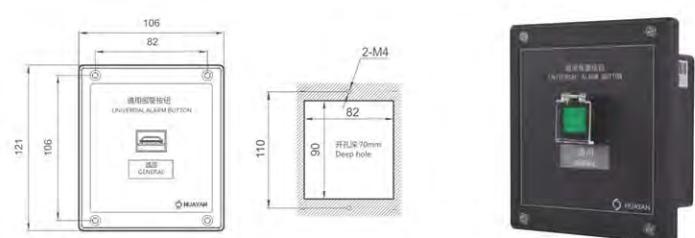
产品说明 (Specification)

颜色 Colour : 亚光黑 Dull black
外壳材质 Shell material : ABS

YKG-2/3 报警遥控台 Alarm remote control station



BJ-AN-Q 通用报警按钮 General alarm button



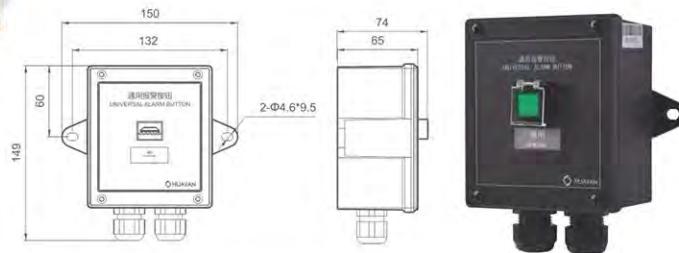
产品说明 (Specification)

颜色 Colour : 亚光黑 Dull black
外壳材质 Shell material : ABS

BJ-AN-G 通用报警按钮 General alarm button

产品说明 (Specification)

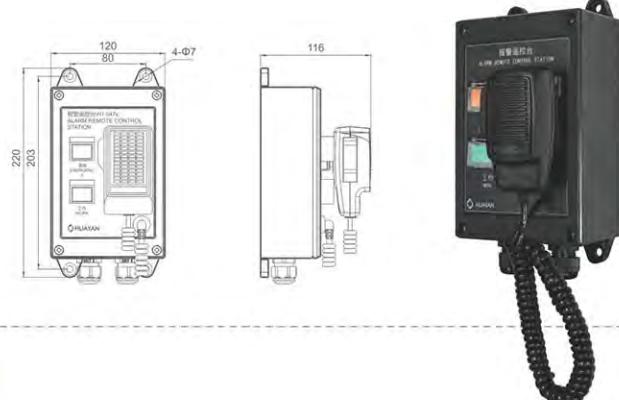
颜色 Colour : 亚光黑 Dull black
 外壳材质 Shell material : ABS
 填料函 Cable gland : 2-PG16



YKG-2 报警遥控台 Wall mounted remote control station

产品说明 (Specification)

颜色 Colour : 亚光黑 Dull black
 外壳材质 Shell material : ABS
 填料函 Cable gland : 2-PG13.5

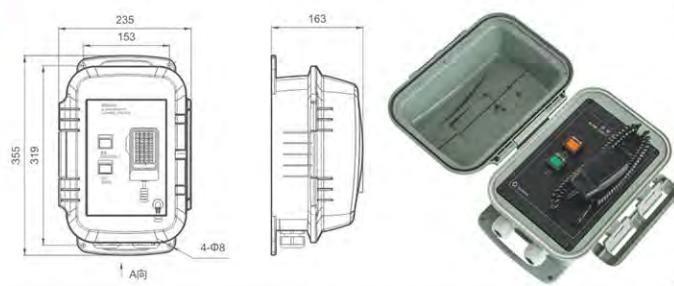


YKG-2F 防风雨报警遥控台 Weather proof remote control station

外观专利号 : ZL 2017 3 0269129.7
 Outline copyright PN.

产品说明 (Specification)

颜色 Colour : 中绿灰 BG01 Mid. glaucous
 外壳材质 Shell material : ABS
 可选Q235B、不锈钢材质 Option(Q235B/SUS)
 填料函 Cable gland : 2-PG21

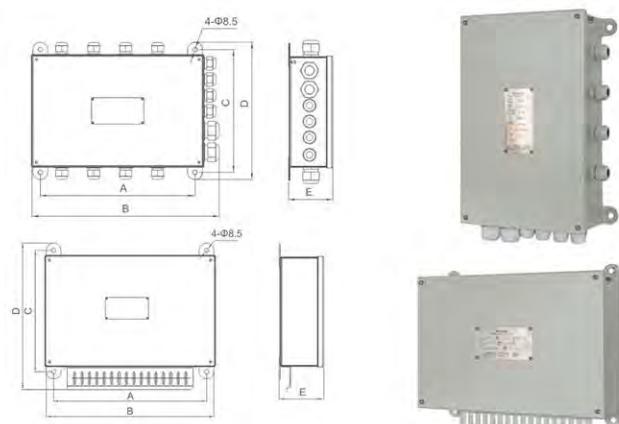


JXTR8-24 熔断器箱 Connection box with fuse

产品说明 (Specification)

颜色 Colour : RAL7035
 外壳材质 Shell material : Q235B
 填料函 Cable gland : 2-PG21 24-M20*1.5/-
 配报警电源箱使用，连接电铃。
 Use with alarm power box, connected with bell.

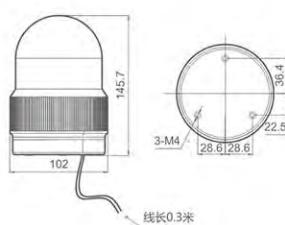
序号/NO	型号/Type	尺寸(A/B/C/D/E)mm/Size
1	JXTR8(IP44)	252/284/140/208/67
2	JXTR12(IP44)	310/376/246/275/89
3	JXTR24(IP44)	310/376/246/275/89
4	JXTR8(IP22)	252/284/140/210/67
5	JXTR12(IP22)	310/340/246/297/90
6	JXTR24(IP22)	310/340/246/297/90



LED 警示灯 Caution light

产品说明 (Specification)

颜色 Colour : LTE5102-R(红 Red), LTE5102-Y(黄 Yellow),
LTE5102-G(绿 Green), LTE5102-B(蓝 Blue)
外壳材质 Shell material : ABS
供电电源 Power supply : AC220V±10% or DC24V±10%
输出功率 Output power : 3-5W

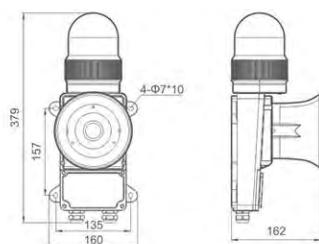


SG-6BZ SG-6BJ 船用警报器 Marine alarm siren

产品说明 (Specification)

颜色 Colour : 红色 Red
外壳材质 Shell Material : ABS
填料函 Cable Gland : 2-M20x1.5
供电电源 Power Supply : AC220V±10% or DC24V±10%
输出功率 Output power : 16~20W
声压级 Sound pressure level : 90~110dB

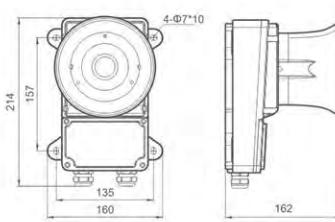
旋转灯颜色可以选择，分别为红色、黄色、蓝色、绿色
The color of the rotating light can be selected as red, yellow, blue and green respectively



SG-6B1Z SG-6B1J 船用警报器 Marine alarm siren

产品说明 (Specification)

颜色 Colour : 红色 Red
外壳材质 Shell material : ABS
填料函 Cable gland : 2-M20x1.5
供电电源 Power supply : AC220V±10% or DC24V±10%
输出功率 Output power : 11~15W
声压级 Sound pressure level : 90~110dB

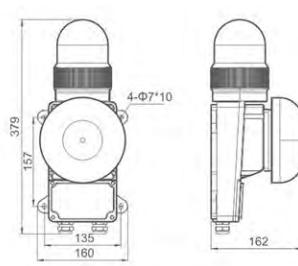


SG-6LZ SG-6LJ 船用警报器 Marine alarm siren

产品说明 (Specification)

颜色 Colour : 红色 Red
外壳材质 Shell material : ABS
填料函 Cable gland : 2-M20x1.5
供电电源 Power supply : AC220V±10% or DC24V±10%
输出功率 Output power : 7~10W
声压级 Sound pressure level : 85~95dB

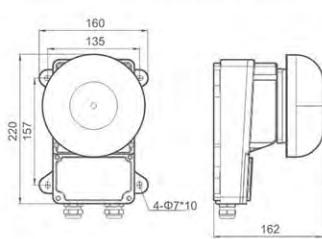
旋转灯颜色可以选择，分别为红色、黄色、蓝色、绿色
The color of the rotating light can be selected as red, yellow, blue and green respectively



SG-6L1Z SG-6L1J 船用警报器 Marine alarm siren

产品说明 (Specification)

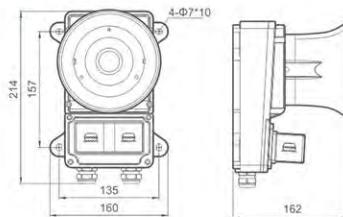
颜色 Colour : 红色 Red
外壳材质 Shell material : ABS
填料函 Cable gland : 2-M20x1.5
供电电源 Power supply : AC220V±10%
or DC24V±10%
输出功率 Output power : 5~7W
声压级 Sound pressure level : 85~95dB



SG-6B3Z SG-6B3J 船用警报器 Marine alarm siren

产品说明 (Specification)

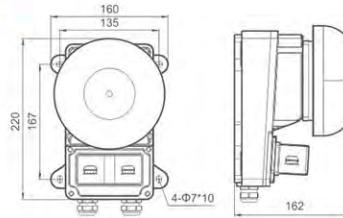
颜色 Colour : 红色 Red
外壳材质 Shell material : ABS
填料函 Cable gland : 2-M20x1.5
供电电源 Power supply : AC220V±10% or DC24V±10%
输出功率 Output power : 11~15W
声压级 Sound pressure level : 90~110dB



SG-6L3Z SG-6L3J 船用警报器 Marine alarm siren

产品说明 (Specification)

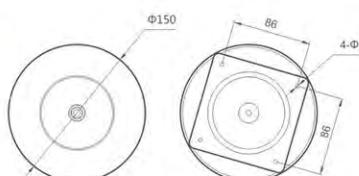
颜色 Colour : 红色 Red
外壳材质 Shell material : ABS
填料函 Cable gland : 2-M20x1.5
供电电源 Power supply : AC220V±10% or DC24V±10%
输出功率 Output power : 5~7W
声压级 Sound pressure level : 85~95dB



SG-6L2Z SG-6L2J 船用警报器 Marine alarm siren

产品说明 (Specification)

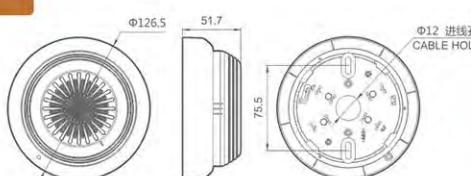
颜色 Colour : 红色 Red
外壳材质 Shell material : 铝质 Aluminum
供电电源 Power supply : AC220V±10% or DC24V±10%
输出功率 Output power : 3~5W
声压级 Sound pressure level : 85~95dB



SG-6QZ SG-6QJ 船用警报器 Marine alarm siren

产品说明 (Specification)

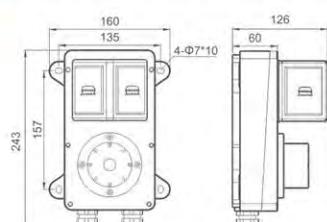
颜色 Colour : 红色 Red
外壳材质 Shell material : ABS
供电电源 Power supply : AC220V±10% or DC24V±10%
输出功率 Output power : 3~5W
声压级 Sound pressure level : 85~95dB



SG-6B/TYZ SG-6B/TYJ 船用警报器 Marine alarm siren

产品说明 (Specification)

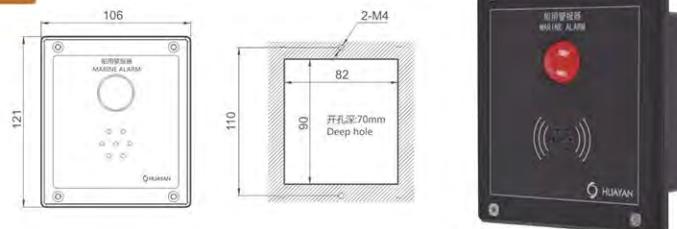
颜色 Colour : 中绿灰 BG01 Mid. glaucous
外壳材质 Shell material : ABS
填料函 Cable gland : 2-M20x1.5
供电电源 Power supply : AC220V±10% or DC24V±10%
输出功率 Output power : 5~6W
声压级 Sound pressure level : 90~110dB



SG-7QZ SG-7QJ 船用警报器 Marine alarm siren

产品说明 (Specification)

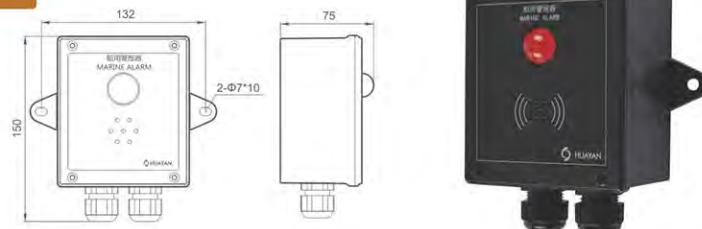
颜色 Colour : 亚光黑 Dull black
 外壳材质 Shell material : ABS
 供电电源 Power supply : AC220V±10%
 or DC24V±10%
 输出功率 Output power : 3~5W
 声压级 Sound pressure level : 85~95dB



SG-7GZ SG-7GJ 船用警报器 Marine alarm siren

产品说明 (Specification)

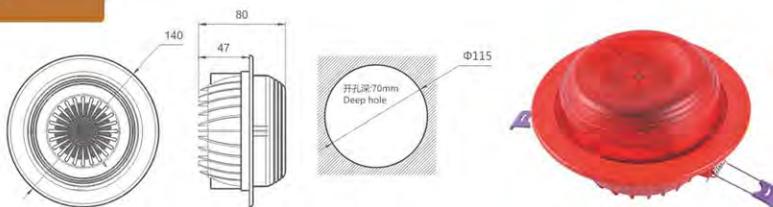
颜色 Colour : 亚光黑 Dull black
 外壳材质 Shell material : ABS
 填料函 Cable gland : 2-PG16
 供电电源 Power supply : AC220V±10%
 or DC24V±10%
 输出功率 Output power : 3~5W
 声压级 Sound pressure level : 85~95dB



SG-7QXZ SG-7QXJ 船用警报器 Marine alarm siren

产品说明 (Specification)

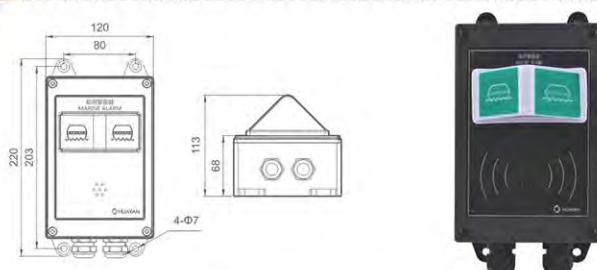
颜色 Colour : 红色 Red
 外壳材质 Shell material : ABS
 供电电源 Power supply : AC220V±10%
 or DC24V±10%
 输出功率 Output power : 3~5W
 声压级 Sound pressure level : 85~95dB
 安装位置 Installation location : 房间 Room



SG-7B/TYZ SG-7B/TYJ 船用警报器 Marine alarm siren

产品说明 (Specification)

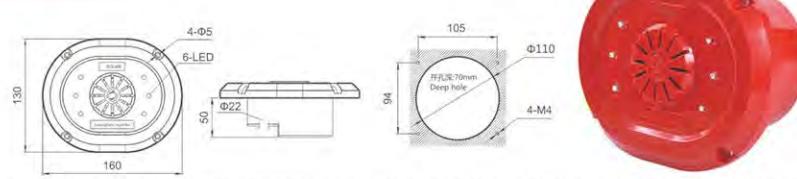
颜色 Colour : 亚光黑 Dull black
 外壳材质 Shell material : ABS
 填料函 Cable gland : 2-PG16
 供电电源 Power supply : AC220V±10%
 or DC24V±10%
 输出功率 Output power : 3~5W
 声压级 Sound pressure level : 85~95dB



SG-4B 鸣音器 Buzzer

产品说明 (Specification)

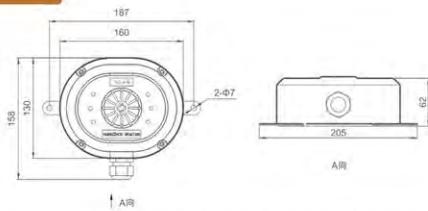
颜色 Colour : 红色 Red
 外壳材质 Shell material : ABS
 供电电源 Power supply : AC220V±10%
 or DC24V±10%
 输出功率 Output power : 3~5W
 声压级 Sound level : 85~95dB



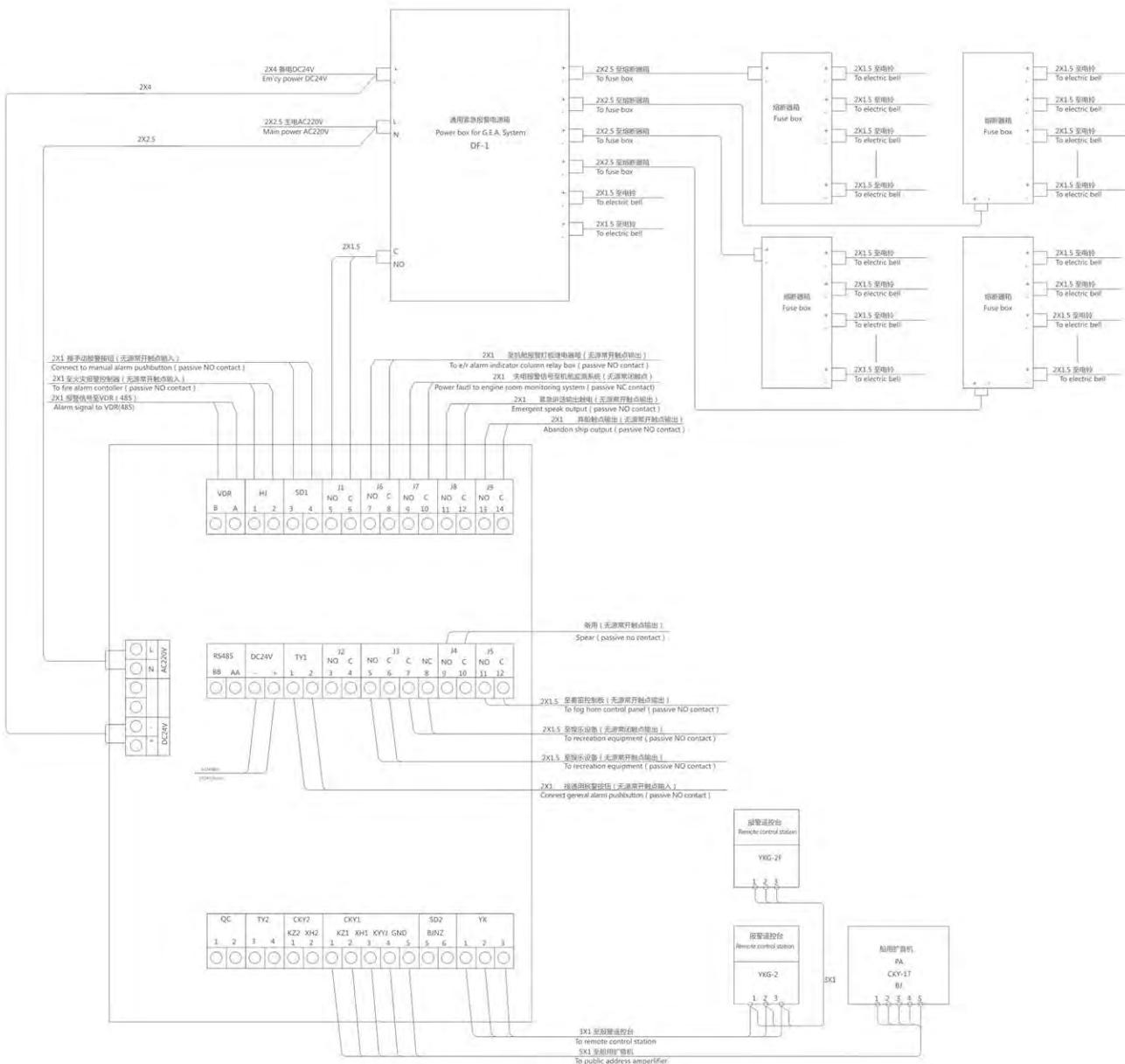
SG-41B 电子铃 Buzzer

产品说明 (Specification)

颜色 Colour : 红色 Red
 外壳材质 Shell material : ABS
 线料 Cable gland : PG16
 供电电源 Power supply : AC220V±10%
 or DC24V±10%
 输出功率 Output power : 3~5W
 声压级 Sound level : 85~95dB



BJQ通用报警系统接线示意图 Series general emergency alarm system wiring schematic drawing





CHAPTER 9

JB系列 火灾报警系统

Fire alarm system

JB-QB-2000型火灾报警系统 Fire alarm system

系统组成

System composition

序号 No.	名称 Name & Specification	型号 Type	重量 Weight	防护等级 IP rating
1.	火灾报警控制器(嵌入式) Fire alarm controller(Flush type)	JB-QB-2000	6.6kg	IP20
2.	火灾报警控制器(壁挂式) Fire alarm controller(Wall mounted)	JB-QB-2000	8.8kg	IP44
3.	火灾显示盘(嵌入式) Fire alarm repeater(Flush type)	HY-2000	1.4kg	IP20
4.	火灾显示盘(壁挂式) Fire alarm repeater(Wall mounted)	HY-2000	1.5kg	IP44
5.	感烟探测器 Smoke detector	JTY-GD-ZM992	0.1kg	IP44
6.	感温探测器 Heat detector	JTW-BD-ZM995	0.1kg	IP44
7.	90°C感温探测器 90°C Heat detector	JTW-BD-ZR875H/T	0.1kg	IP44
8.	探测器底座 Detector base	DZ-B901	0.02kg	IP22
9.	防水底座 Water proof base	ZR02FS	0.1kg	IP44
10.	探测器隔离底座 Detector base	DZ-90Li	0.02kg	IP22
11.	防水底座 Water proof base	DHM5B	0.1kg	IP44
12.	防爆感烟探测器 Ex-proof smoke detector	JTY-GD-2151EIS	0.2kg	IP44
13.	防爆感温探测器 Ex-proof heat detector	JTWB-BCD-5151EIS	0.2kg	IP44
14.	探测器底座 Detector base	DZ-B401	0.02kg	IP44
15.	安全栅 IS barrier	AQ-4	0.22kg	IP44
16.	电源模块 Switch power module	DF-3/HJ	1.6kg	IP44
17.	编码底座 Programmer base	BM-90Li	0.02kg	IP22
18.	接口模块 Interface module	HY-M902M	0.22kg	IP44
19.	输入模块 Input module	HY-M900M	0.22kg	IP44
20.	输出模块 Output module	HY-M900C	0.23kg	IP44
21.	编码器 Programmer	HY-2012	0.4kg	IP22
22.	手动报警按钮 Manual call point	HY-M900K	0.18kg	IP44
23.	防水手动报警按钮 Watertight manual call point	HY-M900K	0.18kg	IP66

系统组成**System composition**

序号 No.	名称 Name & Specification	型号 Type	重量 Weight	防护等级 IP Rating
24.	防水手动报警按钮 Watertight manual call point	HY-M900K+FSH	0.56kg	IP56
25.	防爆手动报警按钮 Ex-proof manual call point	HY-M900KEIS	0.18kg	IP56
26.	防爆手动报警按钮 Ex-proof manual call point	HY-M900KEIS+FSH	0.56kg	IP56
27.	手动报警按钮 Manual call point	HY-M900K	0.18kg	IP20
28.	声光报警隔离底座 Detector Isolation base with sound and light	HY-2010	0.18kg	IP22
29.	编码声光报警 Sound and light with address code	HY-2010A	0.19kg	IP22

采用标准**Adopt standard**

- ① 经MSC.311(88)修正的《国际消防安全系统规则》第9章；
 ② 经MSC.339(91)修正的《国际消防安全系统规则》第9章；
 ③ EN54-2 : 1997 《探火和失火报警系统第2部分：控制和显示设备》。
 ① Chapter9 of international code for fire safety systems as amended by MSC.311(88);
 ② Chapter9 of international code for fire safety systems as amended by MSC.339(91);
 ③ EN54-2:1997, Fire detection and fire alarm systems Part 2: control and indicating equipment.

功能描述**Function description**

- | | |
|----------------|--|
| ① 大屏幕液晶显示 | ① Large screen LCD display |
| ② 地址编码(寻址式) | ② Address coding(Addressing) |
| ③ 自检 | ③ Self-inspection |
| ④ 故障报警 | ④ Fault alarm |
| ⑤ 火警报警 | ⑤ Fire alarm |
| ⑥ 火警及故障信息显示和查询 | ⑥ Fire and fault information display and inquiry |
| ⑦ 中英文一键切换 | ⑦ English and Chinese one key switch |
| ⑧ 可连接5台火灾显示盘 | ⑧ 5 Fire display panels can be connected |

JB-QB-2000火灾报警控制器
Fire alarm control panel

软著专利号 : 2012SR022717
Software copyright PN.

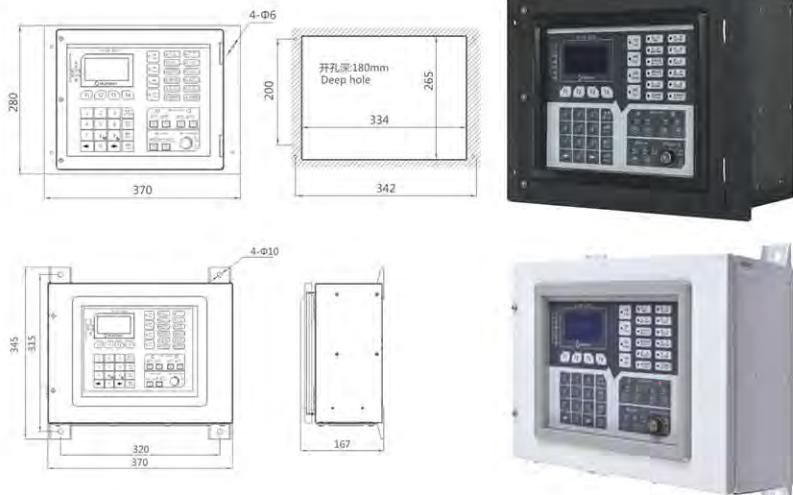
产品说明 (Specification)

颜色 Colour : 亚光黑 Dull black (嵌入式 Flush type)
RAL7035 (壁挂式 Wall type)

外壳材质 Shell material : Q235B

工作电压 Working voltage : AC220V DC24V

监视状态 Monitoring state : 60W
报警状态 Alarm state : 120W



[返回目录](#)

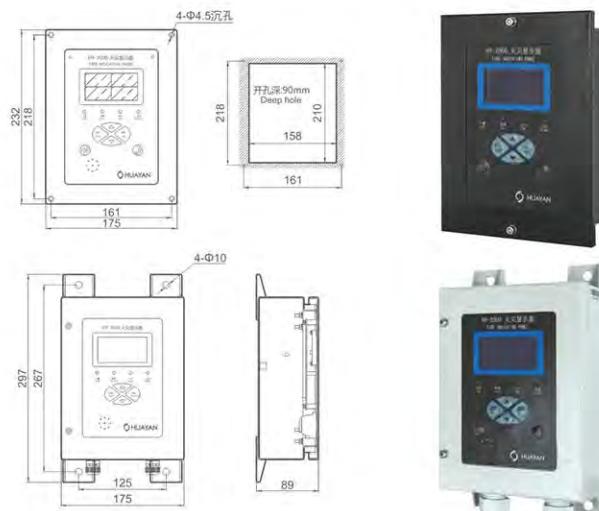
[To contents](#)

HY-2000 火灾报警显示盘 Fire alarm repeater

产品说明 (Specification)

颜色 Colour : 亚光黑 Dull black (嵌入式 Flush type)
RAL7035 (壁挂式 Wall mounted)
外壳材质 Shell material : Q235B
工作电压 Working voltage : DC24V

当火灾系统中任何设备出现火灾报警时，显示盘将显示发生报警点或故障信号，并发出火警报警声音；通讯方式采用串口通讯。
When there is fire alarm fire any device in the system, Display panel will display the model of fire equipment, fire alarm sound; Communications using serial port communication.

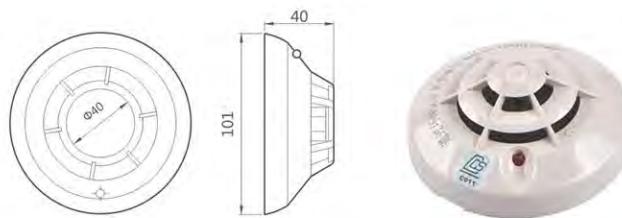


JTW-BD-ZM995 感温探测器 Heat detector

产品说明 (Specification)

颜色 Colour : 米色 Cream-colored
外壳材质 Shell material : 阻燃ABS Fire retardant
工作电压 Working voltage : DC15V~28V
报警温度 Alarm temp : 60°C
监视电流 Monitor current : ≤100 μA
报警电流 Alarm current : ≤10~100mA

由编码器对探测器进行编写地址
Use the programmer to write the address of the detectors

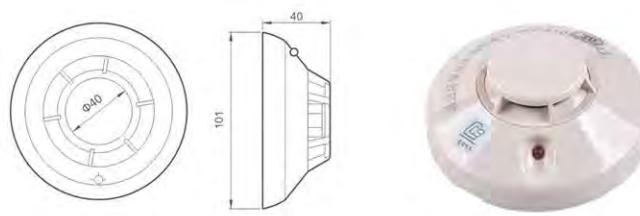


JTY-GD-ZM992 感烟探测器 Smoke detector

产品说明 (Specification)

颜色 Colour : 米色 Cream-colored
外壳材质 Shell material : 阻燃ABS Fire retardant
工作电压 Working voltage : DC15V~35V
灵敏度 Sensitivity : CLASS I , CLASS II
监视电流 Monitor current : ≤50 μA
报警电流 Alarm current : ≤2~80mA

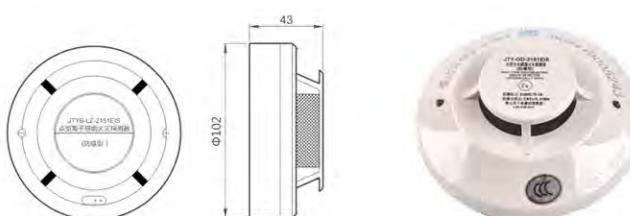
由编码器对探测器进行编写地址
Use the programmer to write the address of the detectors



JTY-GD-2151EIS 防爆感烟探测器 Ex-proof smoke detector

产品说明 (Specification)

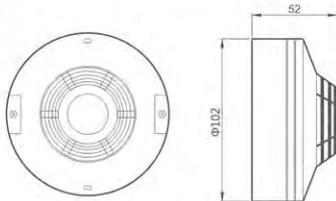
颜色 Colour : 米色 Cream-colored
外壳材质 Shell material : 阻燃ABS Fire retardant
防爆等级 Ex rating : Exia II CT5
工作电压 Working voltage : DC15V~28V
监视电流 Monitor current : ≤100 μA
报警电流 Alarm current : ≤10~100mA



JTWB-BCD-5151EIS 防爆感温探测器 Ex-proof smoke detector

产品说明 (Specification)

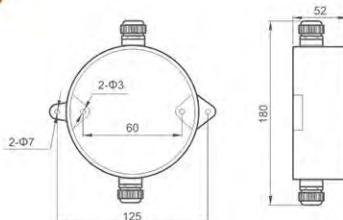
颜色 Colour : 米色 Cream-colored
 外壳材质 Shell material : 阻燃ABS Fire retardant
 防爆等级 Ex rating : Exii II CTS
 工作电压 Working voltage : DC15V~28V
 监视电流 Monitor current : ≤100 μA
 报警电流 Alarm current : ≤10~100mA



ZR02FS 防水底座 Water proof base

产品说明 (Specification)

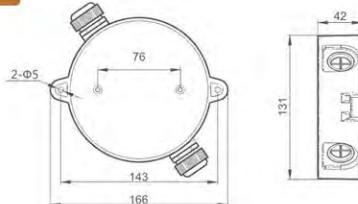
颜色 Colour : 米色 Cream-colored
 外壳材质 Shell material : 阻燃ABS Fire retardant
 填料函 Cable gland : 2-PG16
 配合感烟、感温探测器在防水要求场所使用。
 Used in waterproof requirement places with the
 smoke detector and heat detector.



DHM5B 防水底座 Water proof base

产品说明 (Specification)

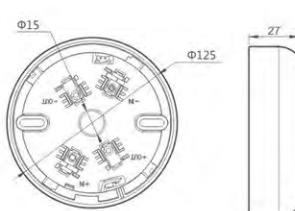
颜色 Colour : 瓷白 Magnetic white
 外壳材质 Shell material : 阻燃ABS Fire retardant
 填料函 Cable gland : 2-PG16
 配合感烟、感温探测器在防水要求场所使用。
 Used in waterproof requirement places with the
 smoke detector and heat detector.



DZ-90Li 探测器隔离底座 Detector base

产品说明 (Specification)

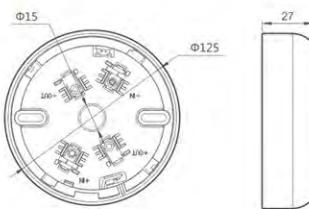
颜色 Colour : 米色 Cream-colored
 外壳材质 Shell material : 阻燃ABS Fire retardant
 配合感烟、感温探测器使用
 Used with the smoke detector and heat detector



BM-90Li 编码底座 Programmer base

产品说明 (Specification)

颜色 Colour : 米色 Cream-colored
 外壳材质 Shell material : 阻燃ABS Fire retardant
 适用于90°C感温探测器
 Apply for 90°C heat detector

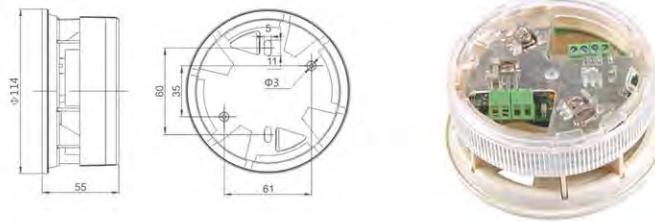


HY-2010 声光报警隔离底座 Detector Isolation base with sound and light

产品说明 (Specification)

颜色 Colour : 米色 Cream-colored
 外壳材质 Shell material : 阻燃 ABS Fire retardant
 供电电源 Power supply : DC24V±10%
 声压级 Sound pressure level : 80~95dB

用于客船舱室火警报警
Used for passenger ship E/R fire alarm

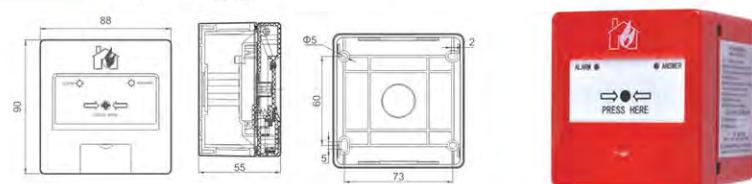


HY-M900K 手动报警按钮 Manual alarm button

实用新型专利号 : ZL 2015 2 0045369.4
Utility mode copyright PN.

产品说明 (Specification)

颜色 Colour : 红色 Red
 外壳材质 Shell material : 阻燃ABS Fire retardant
 填料函 Cable gland : 2-PG16
 工作电压 Working voltage : DC15V~30V
 监视电流 Monitor current : ≤5 μA
 报警电流 Alarm current : ≤30mA

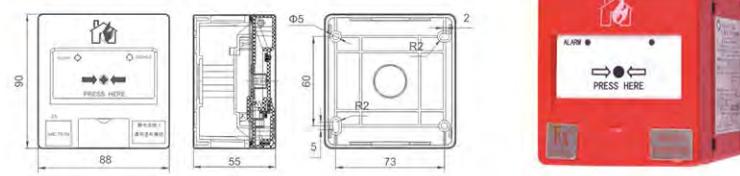


HY-M900KEIS 防爆手动报警按钮 Manual fire alarm button (Explosion-proof)

实用新型专利号 : ZL 2015 2 0045369.4
Utility mode copyright PN.

产品说明 (Specification)

颜色 Colour : 红色 Red
 外壳材质 Shell material : 阻燃ABS Fire retardant
 填料函 Cable gland : 2-PG16
 防爆等级 Ex rating : Exia II CT5 Gb
 工作电压 Working voltage : DC15V~30V
 监视电流 Monitor current : ≤5 μA
 报警电流 Alarm current : ≤30mA

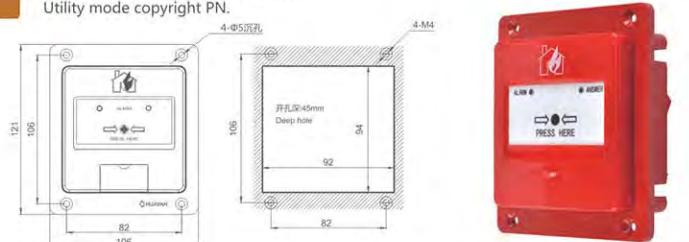


HY-M900K 嵌入式手动报警按钮 Manual alarm button (Flush type)

实用新型专利号 : ZL 2015 2 0045369.4
Utility mode copyright PN.

产品说明 (Specification)

颜色 Colour : 红色 Red
 外壳材质 Shell material : 阻燃ABS Fire retardant
 工作电压 Working voltage : DC15V~33V
 监视电流 Monitor current : ≤5 μA
 报警电流 Alarm current : ≤30mA

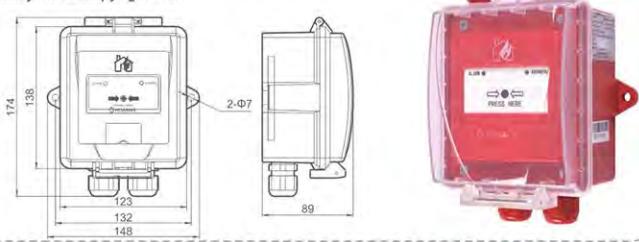


HY-M900K+FSH 防水手动报警按钮 Manual alarm button (Water proof)

实用新型专利号 : ZL 2015 2 0045369.4
Utility mode copyright PN.

产品说明 (Specification)

颜色 Colour : 红色 Red
 外壳材质 Shell material : 阻燃ABS Fire retardant
 填料函 Cable gland : 2-PG16
 工作电压 Working voltage : DC15V~30V
 监视电流 Monitor current : ≤5 μA
 报警电流 Alarm current : ≤30mA

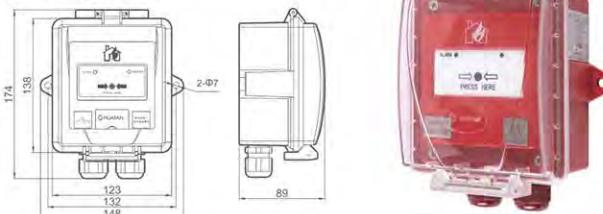


HY-M900KEIS+FSH 防爆手动报警按钮 Manual fire alarm button (Explosion-proof)

产品说明 (Specification)

颜色 Colour : 红色 Red
 外壳材质 Shell material : 阻燃ABS Fire retardant
 填料函 Cable gland : 2-PG16
 防爆等级 Ex rating : Exia II CT5 Gb
 工作电压 Working voltage : DC15V~30V
 监视电流 Monitor current : ≤5 μA
 报警电流 Alarm current : ≤30mA

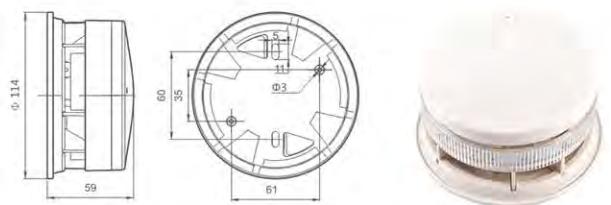
实用新型专利号 : ZL 2015 2 0045369.4
 Utility mode copyright PN.



HY-2010A 编码声光报警 Sound and light with address code

产品说明 (Specification)

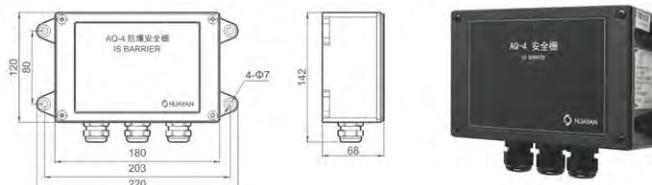
颜色 Colour : 米色 Cream-colored
 外壳材质 Shell material : 阻燃 ABS Fire retardant
 用于客船舱室火警报警
 Used for passenger ship E/R fire alarm



AQ-4 防爆安全栅 IS barrier

产品说明 (Specification)

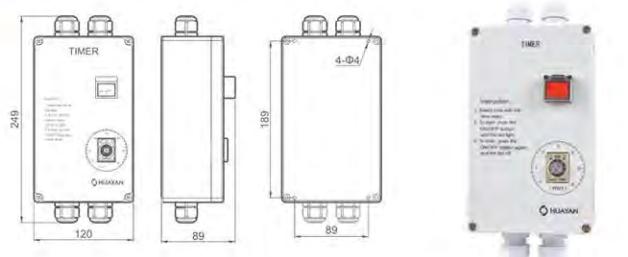
颜色 Colour : 亚光黑 Dull black
 填料函 Cable gland : 3-PG16
 防爆等级 EX rating : Exia II C
 用于防爆探测器和防爆手动按钮支路，连接防爆探测器和防爆手动按钮前面;安装于安全区域处所。
 Used for explosion protection detectors and manual button branch , connection explosion protection detectors and manual button front; Installed on the premises safe area.



TM520 延时器 Timer

产品说明 (Specification)

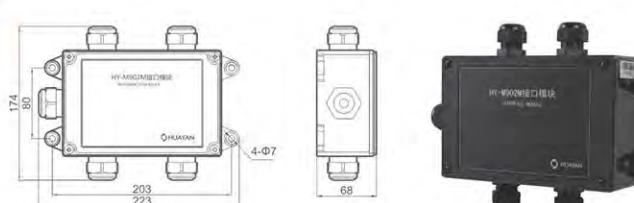
颜色 Colour : 乳白色 Oyster white
 填料函 Cable gland : 4-PG16
 一般配工作间探测器使用，需要单独提供电源DC24V，可以在定时器上设定一定的时间值，该区域探测器在设定时间内不会发生信号报警。
 Workshop detector used commonly , requires a separate provide DC24V power supply , can set a certain amount of time on the timer value , the region will not occur within the time set fire alarm detector.



HY-M902M 接口模块 Interface module

产品说明 (Specification)

颜色 Colour : 亚光黑 Dull black
 填料函 Cable gland : 5-PG16
 用于定义区域分区的地址码。
 The partition of address code used to define the area.



DF-3/HJ 电源模块 Power module

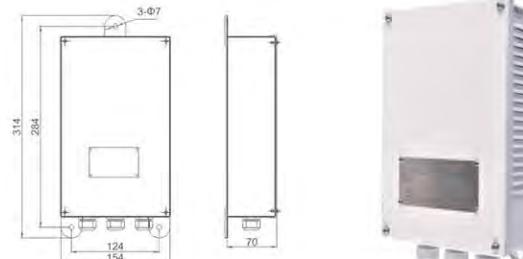
产品说明 (Specification)

颜色 Colour : RAL7035

填料函 Cable gland : 3-PG16

与JB-QB-2000火灾报警主机配套使用

Used with JB-QB-2000 fire alarm main unit.



HY-2012 手持编码器 Portable programmer

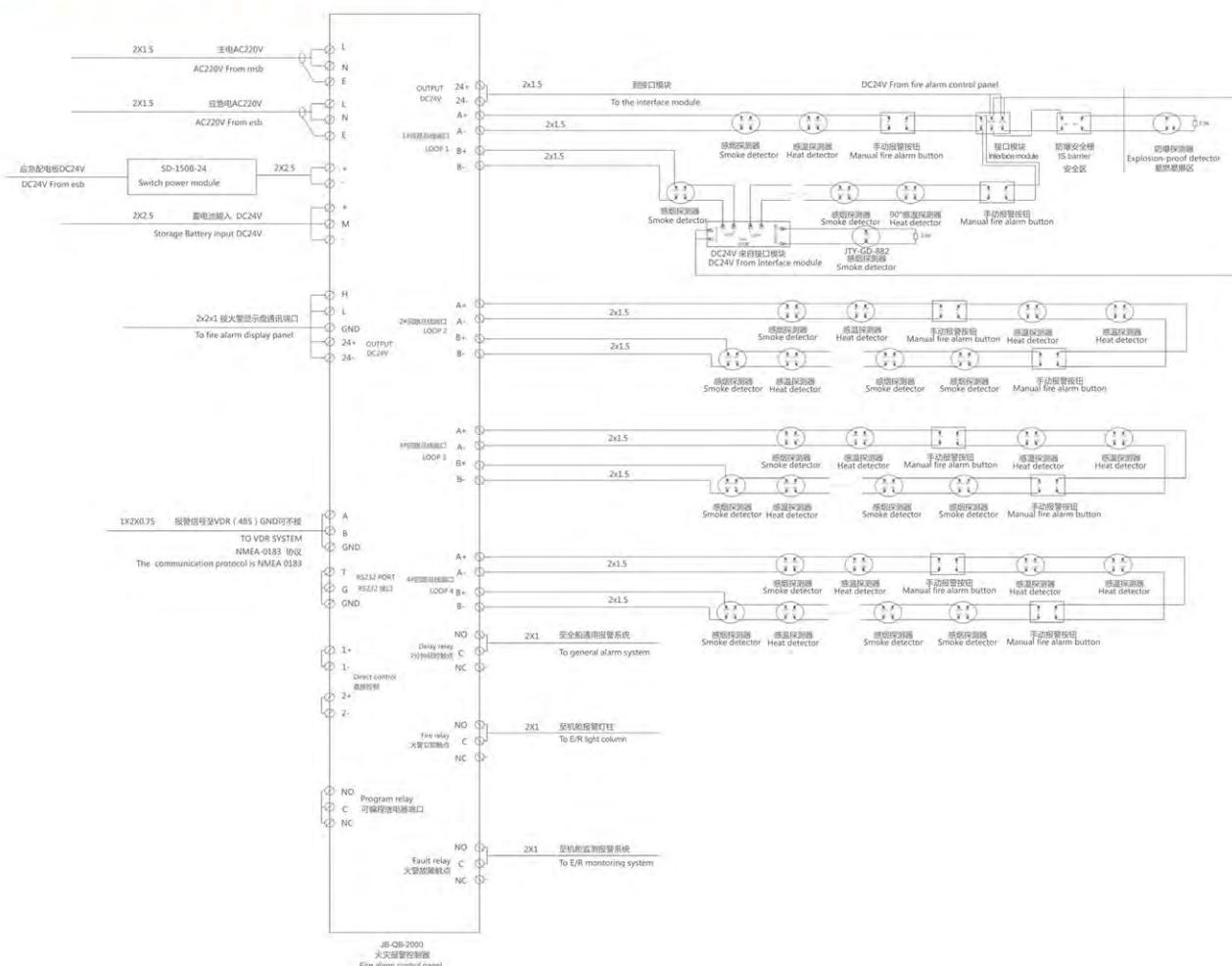
功能描述 (Function)

用于对探测器、手动报警按钮、模块进行编码。

Used to program the address of the detectors, manual alarm button, module.



JB-QB-2000型火灾报警系统 Fire alarm system



JB-QB-1000型火灾报警系统 Fire alarm system

系统组成

System composition

序号 No.	名称 Name & Specification	型号 Type	重量 Weight	防护等级 IP Rating
1.	火灾报警控制器(嵌入式) Fire alarm controller(Flush type)	JB-QB-1000	6.6kg	IP20
2.	火灾报警控制器(壁挂式) Fire alarm controller(Wall mounted)	JB-QB-1000	8.8kg	IP44
3.	火灾报警控制器(嵌入式) Fire alarm controller(Flush type)	HY-2000	1.4kg	IP20
4.	火灾报警控制器(壁挂式) Fire alarm controller(Wall mounted)	HY-2000	1.5kg	IP44
5.	电源模块箱 Power module box	MKX-1	2.0kg	IP22
6.	感烟探测器 Smoke detector	JTY-GD-882	0.1kg	IP44
7.	60°C感温探测器 60°C Heat detector	JTW-BD-885	0.1kg	IP44
8.	90°C感温探测器 90°C Heat detector	JTW-BD-ZR875H/T	0.1kg	IP44
9.	探测器底座 Detector base	DZ-B801	0.02kg	IP22
10.	防水底座 Water proof base	ZR02FS	0.1kg	IP44
11.	防爆感烟探测器 Ex-proof smoke detector	JTY-GD-2151EIS	0.1kg	IP44
12.	防爆感温探测器 Ex-proof heat detector	JTWB-BCD-5151EISHT	0.1kg	IP44
13.	探测器底座 Detector base	DZ-B401	0.02kg	IP44
14.	手动报警按钮 Manual call point	HY-M500K	0.18kg	IP20
15.	手动报警按钮 Manual call point	HY-M500K	0.2kg	IP44
16.	防水手动报警按钮 Weather proof manual call point	HY-M500K	0.4kg	IP56
17.	防水手动报警按钮(带防水盒) Weather proof manual call point with water proof box	HY-M500K+FSH	0.5kg	IP56
18.	防爆手动报警按钮 Ex-proof manual call point	HY-M900KEIS	0.2kg	IP56
19.	防爆手动报警按钮(带防水盒) Ex-proof manual call point with water proof box	HY-M900KEIS+FSH	0.5kg	IP56
20.	定时器 Timer	Tm520	0.5kg	IP44
21.	安全栅 IS barrier	AQ-4	0.58kg	IP44

采用标准

Adopt standard

- ① 经MSC.311(88)修正的《国际消防安全系统规则》第9章；
- ② 经MSC.339(91)修正的《国际消防安全系统规则》第9章；
- ③ EN54-2 : 1997 《探火和失火报警系统第2部分：控制和显示设备》。

- ① Chapter9 of INTERNATIONAL CODE FOR FIRE SAFETYSYSTEMS as AMENDED by MSC.311(88)
- ② Chapter9 of INTERNATIONAL CODE FOR FIRE SAFETYSYSTEMS as AMENDED by MSC.339(91)
- ③ EN54-2:1997, Fire detection and fire alarm systems Part 2: Control and indicating equipment

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功能描述

Function description

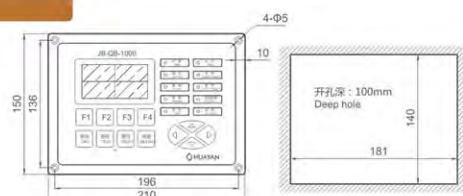
- | | |
|----------------|--|
| ① 大屏幕液晶显示 | ① Large screen LCD display |
| ② 自检 | ② Self-inspection |
| ③ 故障报警 | ③ Fault alarm |
| ④ 火警报警 | ④ Fire alarm |
| ⑤ 火警及故障信息显示和查询 | ⑤ Fire and fault information display and inquiry |
| ⑥ 中英文一键切换 | ⑥ English and Chinese one key switch |
| ⑦ 可连接5台火灾显示盘 | ⑦ 5 Fire display panels can be connected |

JB-QB-1000 火灾报警控制器 Fire alarm controller

软著专利号 : 2015SR107158
Software copyright PN.

产品说明 (Specification)

颜色 Colour : 亚光黑 Dull Black
供电电源 Power supply : AC220V±10%
DC24V±10%
外壳材质 Shell material : Q235B
功耗 Power consumption : 150W

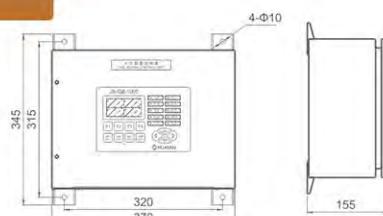


JB-QB-1000 火灾报警控制器 Fire alarm controller

软著专利号 : 2015SR107158
Software copyright PN.

产品说明 (Specification)

颜色 Colour : RAL7035
外壳材质 Shell material : Q235B
供电电源 Power supply : AC220V±10%
DC24V±10%
功耗 Power consumption : 150W

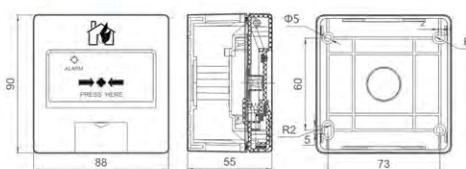


HY-M500K 手动报警按钮 Manual alarm button

实用新型专利号 : ZL 2015 2 0045369.4
Utility mode copyright PN.

产品说明 (Specification)

颜色 Colour : 红色 Red
外壳材质 Shell material : 阻燃ABS Fire retardant
工作电压 Working voltage : DC15V~30V
监视电流 Monitor current : ≤5 μA
报警电流 Alarm current : ≤30mA

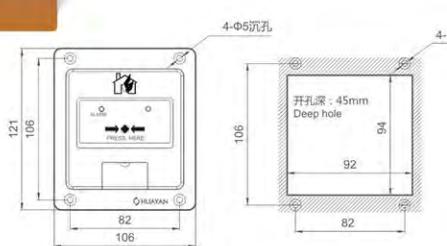


HY-M500K 嵌入式手动报警按钮 Manual alarm button (Flush type)

实用新型专利号 : ZL 2015 2 0045369.4
Utility mode copyright PN.

产品说明 (Specification)

颜色 Colour : 红色 Red
外壳材质 Shell material : 阻燃ABS Fire retardant
工作电压 Working voltage : DC15V~30V
监视电流 Monitor current : ≤5 μA
报警电流 Alarm current : ≤30mA

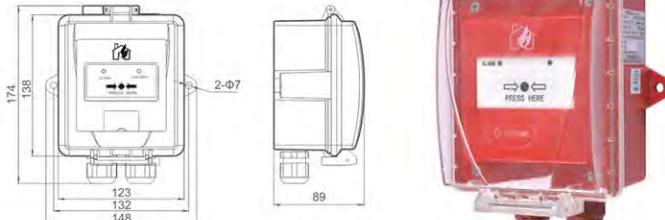


HY-M500K+FSH 防水手动报警按钮 Manual alarm button (Water proof)

实用新型专利号 : ZL 2015 2 0045369.4
Utility mode copyright PN.

产品说明 (Specification)

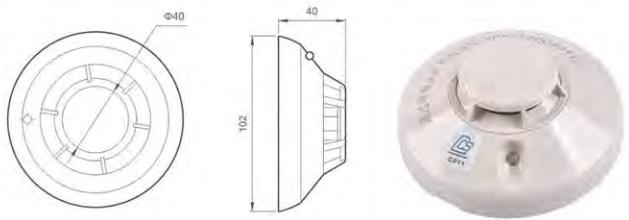
颜色 Colour : 红色 Red
外壳材质 Shell material : 阻燃ABS Fire retardant
填料函 Cable gland : 2-PG16
工作电压 Working voltage : DC15V~30V
监视电流 Monitor current : ≤5 μA
报警电流 Alarm current : ≤30mA



JTY-GD-882 感烟探测器 Smoke detector

产品说明 (Specification)

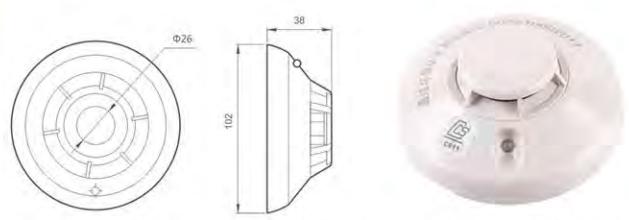
颜色 Colour : 米色 Cream-colored
外壳材质 Shell material : 阻燃ABS Fire retardant
工作电压 Working voltage : DC15V~35V
灵敏度 Sensitivity : CLASS I , CLASS II
监视电流 Monitor current : ≤50 μA
报警电流 Alarm current : ≤2~80mA



JTW-BD-885 感温探测器 Heat detector

产品说明 (Specification)

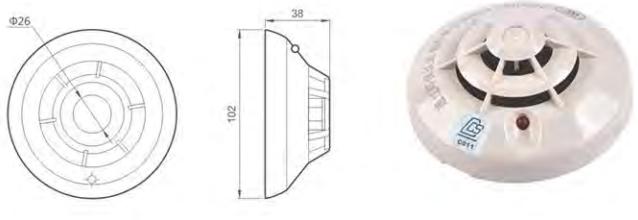
颜色 Colour : 米色 Cream-colored
外壳材质 Shell material : 阻燃ABS Fire retardant
工作电压 Working voltage : DC15V~28V
报警温度 Alarm temp : 60°C
监视电流 Monitor current : ≤100 μA
报警电流 Alarm current : ≤10~100mA



JTW-BD-ZR875H/T 感温探测器 Heat detector

产品说明 (Specification)

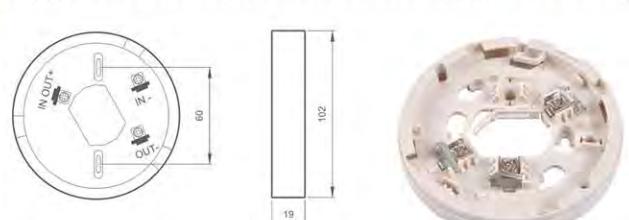
颜色 Colour : 米色 Cream-colored
外壳材质 Shell material : 阻燃ABS Fire retardant
工作电压 Working voltage : DC15V~28V
报警温度 Alarm temp : 90°C
监视电流 Monitor current : ≤100 μA
报警电流 Alarm current : ≤10~100mA
由编码器对探测器进行编写地址
Use the address tool to write the address of the detectors



DZ-B801 探测器底座 Detector base

产品说明 (Specification)

颜色 Colour : 米色 Cream-colored
外壳材质 Shell material : 阻燃ABS Fire retardant
配合感烟、感温探测器使用
Used with smoke detector,heat detector



MKX-1 电源模块箱 Power module box

产品说明 (Specification)

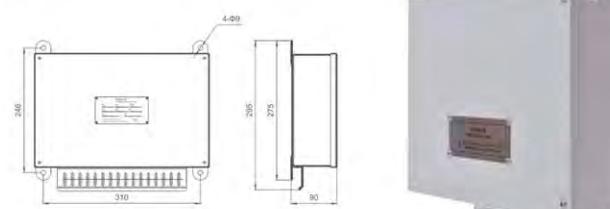
颜色 Colour : RAL7035

外壳材质 Shell material : Q235B

供电电源 Power supply : AC220V±10%,DC24V±10%

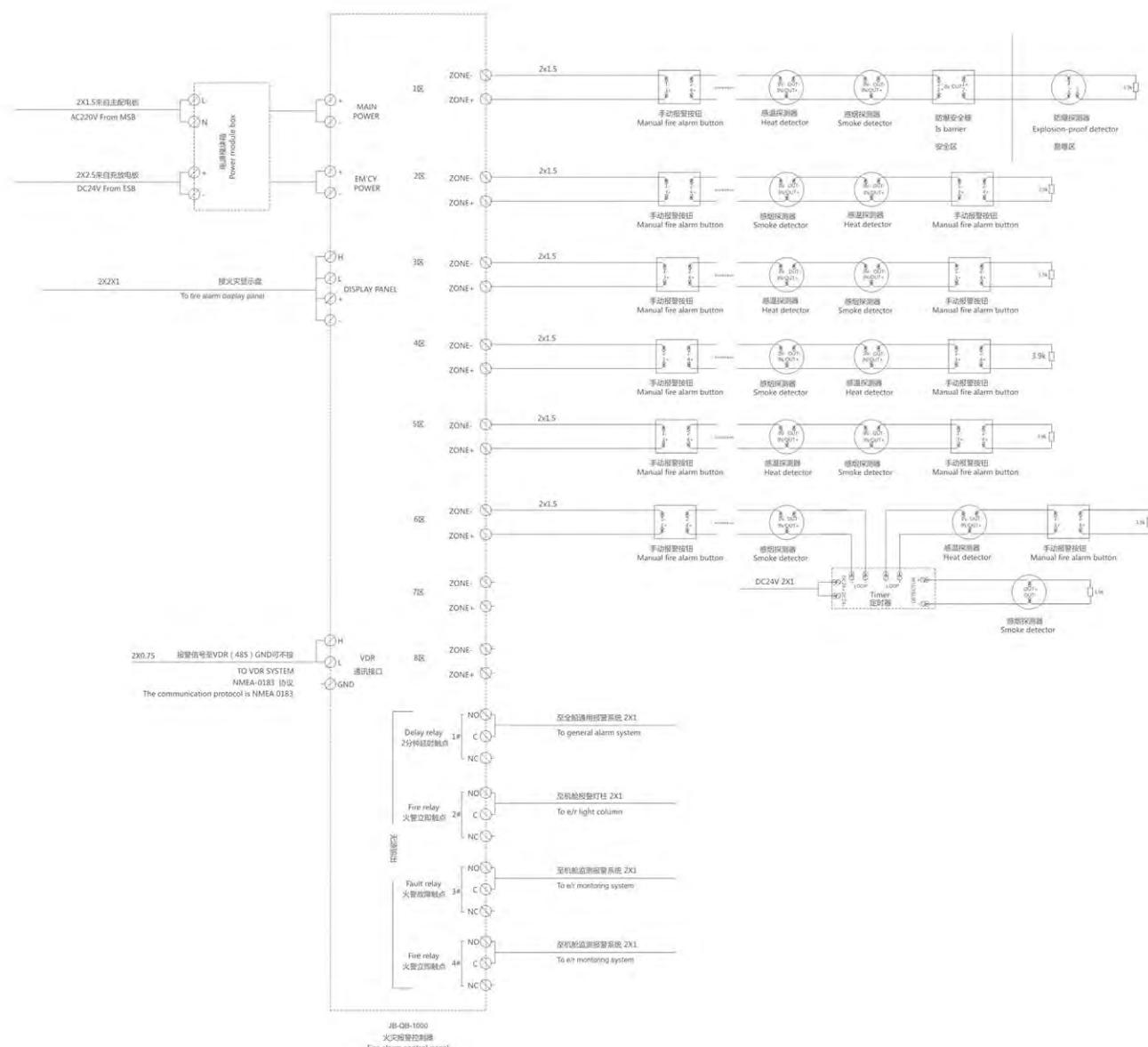
配合感烟、感温探测器在防水要求场所使用
Used in the water proof requirement place with
smoke detector and heat detector

与JB-QB-1000火灾报警主机配套使用
Used with JB-QB-1000 fire alarm main unit



JB系列火灾报警系统接线示意图 (非地址编码型)

Fire detection & alarm system wiring schematic drawing(Non-addressable type)





CHAPTER 10

SG 警报指示器系统 Alarm indicator system

系统组成

System composition

序号 No.	名 称 Name & Specification	型 号 Type	重 量 Weight	防 护 等 级 IP Rating
1.	警报指示器继电器箱 Relay box for alarm indicator	SG	20.7-30kg	IP44
2.	警报指示器柱 (6图标/2灯) Alarm indicator columns (6 Icon/2 Lamp)	SG-6/2	11.2kg	IP44
3.	警报指示器柱 (7图标/2灯) Alarm indicator columns (7 Icon/2 Lamp)	SG-7/2	12.8kg	IP44
4.	警报指示器柱 (8图标/2灯) Alarm indicator columns (8 Icon/2 Lamp)	SG-8/2	13.8kg	IP44
5.	警报指示器柱 (6图标/3灯) Alarm indicator columns (6 Icon/3 Lamp)	SG-6/3	13.1kg	IP44
6.	警报指示器柱 (7图标/3灯) Alarm indicator columns (7 Icon/3 Lamp)	SG-7/3	13.7kg	IP44
7.	警报指示器柱 (8图标/3灯) Alarm indicator columns (8 Icon/3 Lamp)	SG-8/3	15.1kg	IP44
8.	警报指示器板 (嵌入式/6图标) Alarm indicator panels (Flush type/6 Icon)	SG-6F-Q	0.6kg	IP22
9.	警报指示器板 (嵌入式/7图标) Alarm indicator panels (Flush type/7 Icon)	SG-7F-Q	0.6kg	IP22
10.	警报指示器板 (嵌入式/8图标) Alarm indicator panels (Flush type/8 Icon)	SG-8F-Q	0.6kg	IP22
11.	警报指示器板 (壁挂式/6图标) Alarm indicator panels (Wall mounted type/6 Icon)	SG-6F-G	0.8kg	IP44
12.	警报指示器板 (壁挂式/7图标) Alarm indicator panels (Wall mounted type/7 Icon)	SG-7F-G	0.8kg	IP44
13.	警报指示器板 (壁挂式/8图标) Alarm indicator panels (Wall mounted type/8 Icon)	SG-8F-G	0.8kg	IP44
14.	分线箱 Junction box	8FX-4	3.6kg	IP22/IP44
15.	分线箱 Junction box	16FX-4	3.8kg	IP22/IP44
16.	分线箱 Junction box	24FX-4	4.2kg	IP22/IP44
17.	分线箱 Junction box	32FX-4	6.5kg	IP22/IP44

采用标准

Adopt standard

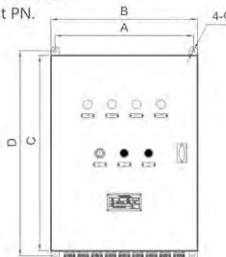
- ① 中国船级社《钢质海船入级规范》(2018)及其修改通报第4篇 , 第2章
- ② 国际海事组织 (IMO) A.1021 (26)决议《2009警报器和指示器规则》
- ① Chapter2, Part 4 of CCS Rules for the Classification of Sea-going Steel Ships 2018 and its Amendments.
- ② IMO Resolution A. 1021(26) CODE ON ALERTS AND INDICATORS,2009

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SG 警报指示器继电器箱 Relay box for alarm indicator

序号 NO	功率W Power	尺寸(A/B/C/D/E)mm Size	功耗W Power consumption
1	160W	425/450/600/630/215	240
2	250W	425/450/600/630/215	380
3	400W	425/450/600/630/215	600
4	630W	425/450/600/630/215	950
5	1000W	455/480/600/630/215	1500

软著专利号 : 2012SR022856
Software copyright PN.



产品说明 (Specification)

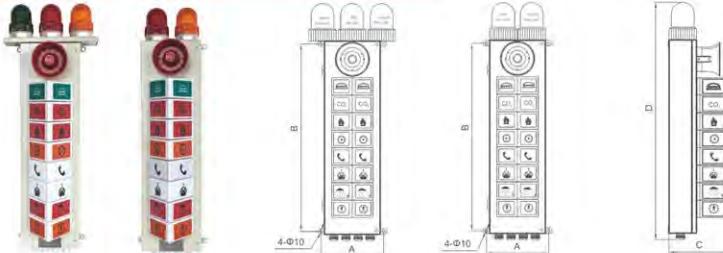
颜色 Colour : RAL7035
外壳材质 Shell material : Q235B
填料函 Cable gland : 8-M27*1.5 10-M24*1.5
供电电源 Power supply : AC220V±10%, DC24V±10%
或 2xA220V±10%

功 率 Power consumption : 160W~1000W可选
输入信号 Input signal : 为对应的闭合触点
Correspond with the relative closed contact
用于检测各种报警信号。
It is used to detect kinds of alarm signals.

识别信号有 : 通用报警、CO₂释放报警、火灾报警、机械故障、电话呼叫、车钟呼叫、轮机员安全报警、水雾释放报警。
Distinguish signal: General Em'cy alarm, CO₂ Release alarm, Fire alarm, M/E Failure alarm, Telephone call, Telegraph alarm, Dead man alarm, Water mist alarm.

SG-8/2 SG-8/3 警报指示器柱 Alarm indicator column

软著专利号 : 2012SR022856
Software copyright PN.



产品说明 (Specification)

图标种类 Icon kinds : 8
颜色 Colour : RAL7035
外壳材质 Shell Material : Q235B
填料函 Cable Gland : 4-M25*1.5
功耗 Power loss : 30W
报警声强度 Alarm sound level : 100dB~120dB

序号 NO	型号 Type	尺寸(A/B/C/D)mm Size
1	SG-6/2	275/675/270/910
2	SG-6/3	275/675/270/910
3	SG-7/2	275/735/270/960
4	SG-7/3	275/735/270/960
5	SG-8/2	275/825/270/1050
6	SG-8/3	275/825/270/1050

	通用报警/ General Em'cy alarm	CO ₂ 释放报警/ CO ₂ Release alarm	火灾报警/ Fire alarm	机械故障/ M/E Failure alarm	电话呼叫/ Telephone call	车钟呼叫/ Telegraph alarm	轮机员安全报警/ Dead man alarm	水雾释放报警/ Water mist alarm
灯罩颜色/ Color lampshade	绿底白圈 Green base & white	红底黑字 Red base & black	琥珀色底黑圈 Amber base & black	白底黑圈 White base & black	白底黑圈 White base & black	琥珀色底黑圈 Amber base & black	白底黑圈 White base & black	红底黑圈 Red base & black
声调/ Tone of voice	七短一长 Tone:7short+1long	单声调 Tone:mono	连续交变音 Tone:continuant	间歇声 Tone:interval signal	电话铃声 Telephone ring signal	间歇声 Tone:interval signal	间歇声 Tone:interval signal	单声调 Tone:mono
2路灯光工作/ 2路图标种类/ 8 types of ICONS	红灯/Red	红灯/Red	黄灯/Yellow	黄灯/Yellow	黄灯/Yellow	黄灯/Yellow	黄灯/Yellow	红灯/Red
3路灯光工作/ 6路图标种类/ 8 types of ICONS	√	√	√	√	√	√	√	
3路灯光工作/ 7路图标种类/ 7 types of ICONS	√	√	√	√	√	√	√	
2路灯光工作/ 8路图标种类/ 8 types of ICONS	√	√	√	√	√	√	√	√
3路灯光工作/ 6路图标种类/ 8 types of ICONS	绿灯/Green	红灯/Red	红灯/Red	黄灯/Yellow	黄灯/Yellow	黄灯/Yellow	黄灯/Yellow	红灯/Red
6路图标种类/ 7路图标种类/ 7 types of ICONS	√	√	√	√	√	√	√	
7路图标种类/ 8路图标种类/ 8 types of ICONS	√	√	√	√	√	√	√	

SG-8F-Q SG-8F-G 警报指示器板 Alarm indicator panel

软著专利号 : 2012SR022856
Software copyright PN.



产品说明 (Specification)

颜色 Colour : RAL7035
外壳材质 Shell material : ABS
填料函 Cable gland : -J2-M36*1.5
功耗 Power consumption : 5W
报警声强度 Alarm sound level : 75-90dB
四种音调 Four tone

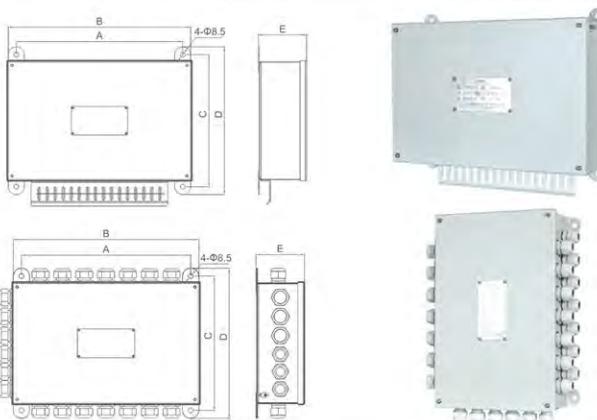
8/16/24/32FX-4 分线箱 Distribution box

产品说明 (Specification)

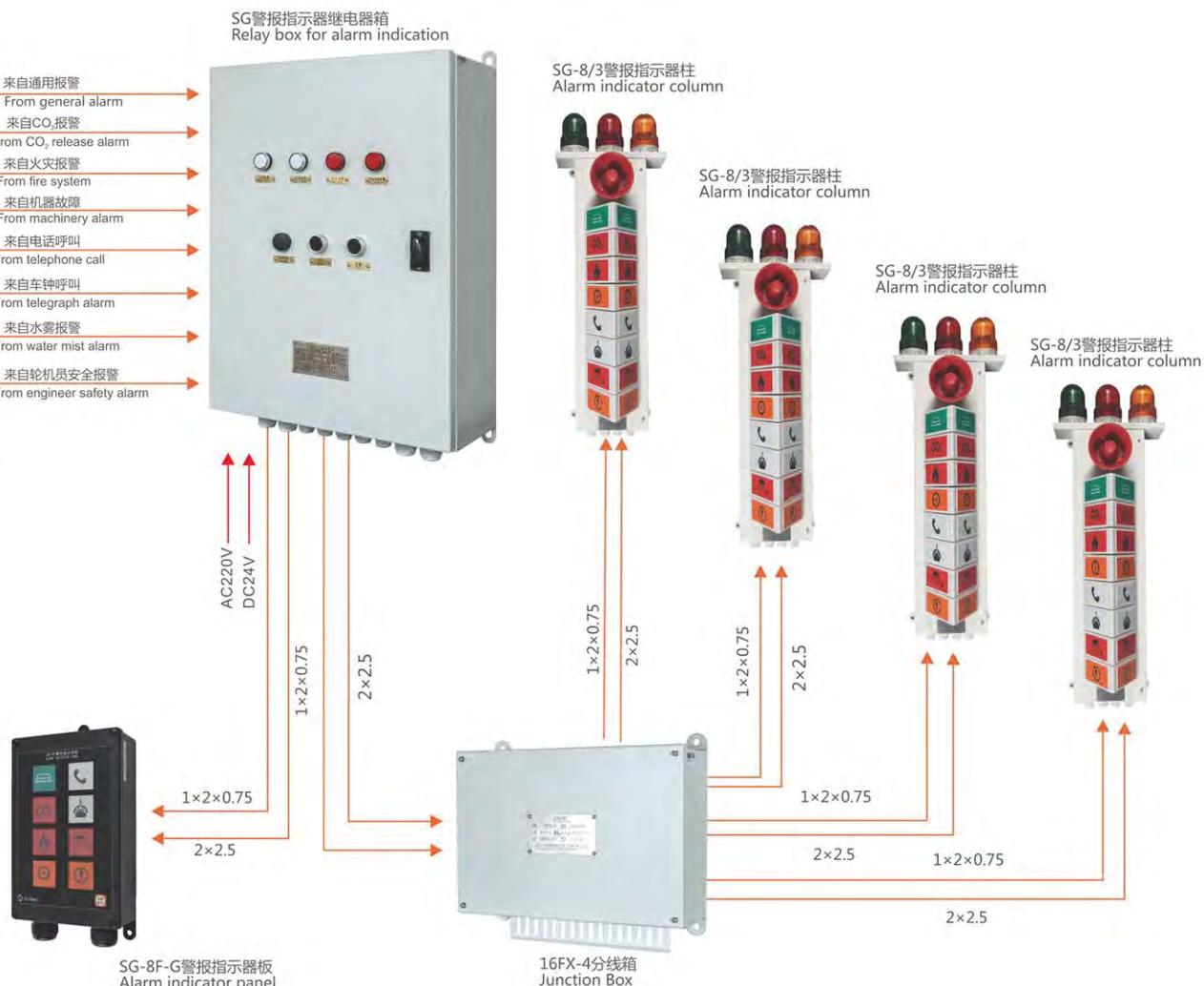
颜色 Colour : RAL7035
外壳材质 Shell material : Q235B

用于连接警报指示器继电器箱和警报指示器柱
Connect Relay box for alarm indicator and
alarm indicator column

序号/NO	型号/Type	尺寸(A/B/C/D/E)mm/Size
1	8FX-4	310/340/246/275/90
2	16FX-4	310/340/246/275/90
3	24FX-4	720/750/500/530/158
4	32FX-4	720/750/500/530/158

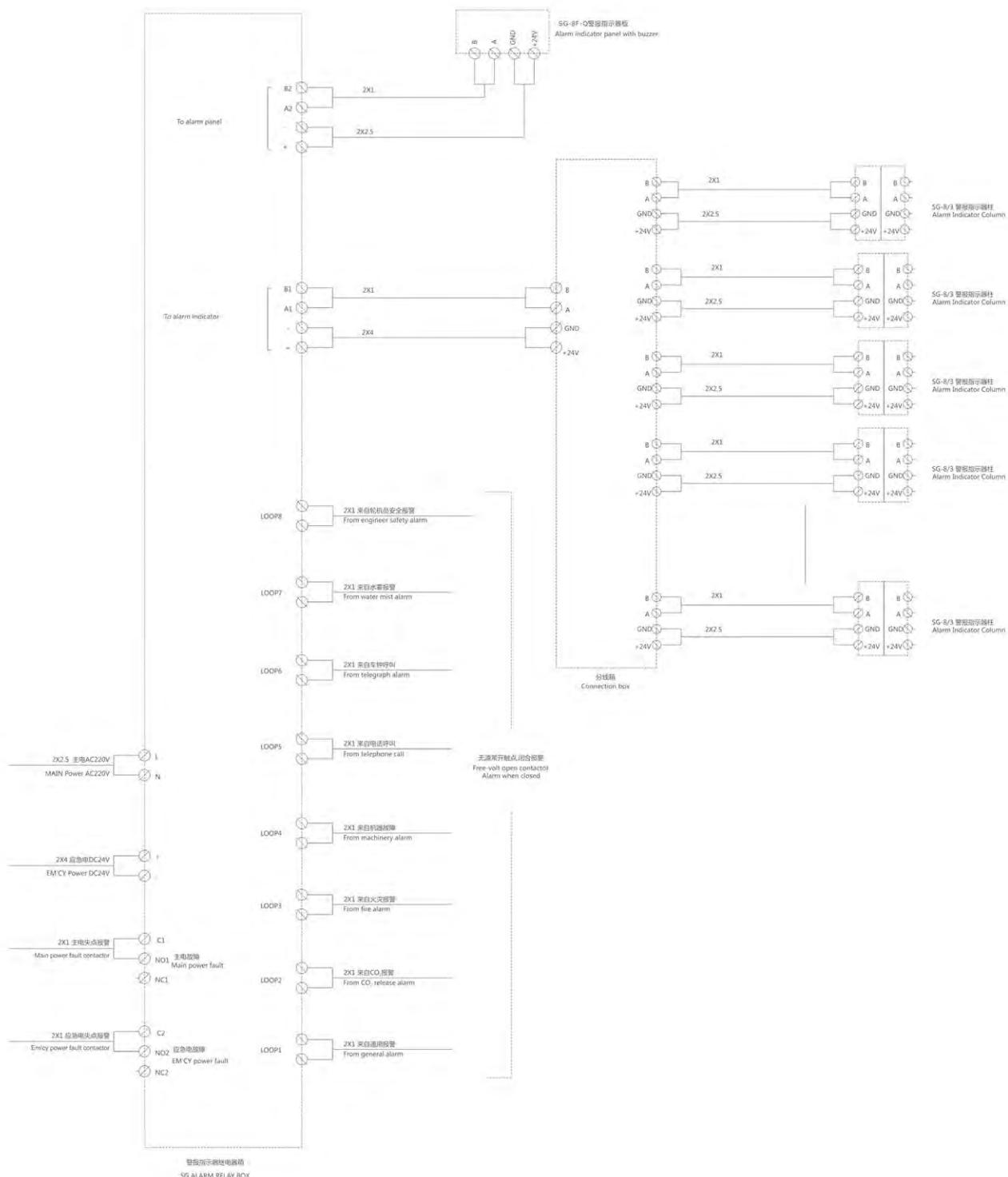


SG系列警报指示器系统示意图 SG series E/R alarm indicator system schematic diagram



SG系列机舱报警系统接线示意图

SG series E/R alarm indicator system wiring schematic drawing



CHAPTER 11

MCL

船用主机传令钟系统 Marine engine telegraph system



系统组成

System composition

序号 No.	名 称 Name & Specification	型 号 Type	重 量 Weight	防 护 级 IP Rating
1.	船用主机传令钟发信器 Transmitter of marine main engine telegraph	MCL-1AC-Q	1.3kg	IP22
2.	船用双主机传令钟发信器 Transmitter of marine double main engine telegraph	MCL-1/2AC-Q	0.92kg	IP22
3.	船用主机传令钟收信器(嵌入式) Receiver of marine main engine telegraph(Flush type)	MCL-1AH-Q	1.3kg	IP22
4.	船用主机传令钟收信器 Receiver of marine main engine telegraph	MCL-1AH-G	0.95kg	IP44
5.	船用双主机传令钟收信器 Receiver of marine double main engine telegraph	MCL-1/2AH	0.86kg	IP22
6.	船用主机传令钟复示器 Repeater of marine main engine telegraph	MCL-1AF-Q	1.3kg	IP22
7.	船用双主机传令钟复示器 Repeater of marine double main engine telegraph	MCL-1/2AF-Q	0.84kg	IP22
8.	稳压电源 Stabilized voltage supply	DF-2	2.1kg	IP22
9.	闪光灯铃组 Flash light and buzzer unit	SG-3C	0.9kg	IP44

采用标准

Adopt standard

中国船级社《钢质海船入级规范》(2018)及其修改通报第4篇, 第2章

Chapter2, Part 4 of CCS Rules for the Classification of Sea-going Steel Ships 2018 and its Amendments.

功能描述

Function description

- ① 自驾驶室向机舱传达命令及由机舱回答命令执行情况的设备。
- ② MCL主机传令钟系统共分十一档:前进微速、前进低速、前进半速、前进全速、备车、停车、完车、后退微速、后退低速、后退半速、后退全速
- ③ 在特殊的情况下,由机舱传达主机现行速度的命令,而驾驶室回答命令。
- ④ 错向报警:主机齿轮箱检测到转向信号与应急主机传令钟收信器所要求操作的进退方向相反时,主机传令钟发信器发出误车报警信号,红色指示灯闪烁,蜂鸣器响。主机齿轮箱信号由主机传令钟收信器输入检测判断。
- ⑤ 失电报警:当其中一路电掉电时,自动转到另外一路电源,主机传令钟发信器发出失电报警声光信号。
- ⑥ 调光:可随外界光线强弱调节驾驶室主机传令钟发信器面板上指示灯。
- ⑦ 带VDR (RS485)接口,通讯协议为NMEA 0183。
- ⑧ 接收器输出一付无源闭合触点和一付有源触点(DC24V 1A)。
- ⑨ 开机自检失步状态:如系统开机拨盘没在“完车”位置,就表示失步。

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功能描述

Function Description

- ① The system orders from wheel house to Engine room and respond the speed from Engine room to Wheel house.
- ② MCL mainTelegraph has 11 levels: ASTERN DEAD SLOW, ASTERN SLOW, ASTERN HALF, ASTERN FULL, STAND BY, STOP, FINISHED, AHEAD DEAD SLOW, AHEAD SLOW, AHEAD HALF, AHEAD FULL
- ③ In event of special condition ,the present speed of main engine can be sent from engine room to Wheel house, and respond from wheel house.
- ④ Wrong-way alarm: When the forward or astern signal is not synchronous detection by gear case of M/E and Main engine telegraph receiver, The main engine telegraph transmitter will send out order error alarm signal. Signal of M/E 's gear case must be estimate obey the input detection signal of Main engine telegraph receiver.
- ⑤ Power failure alarm: when the main power is fault, It could switchover to emergency power automatically, and Main engine telegraph transmite send out visual and audio signal of power failure alarm.
- ⑥ Light adjustable: the indicator in the wheel house panel can be adjusted
- ⑦ VDR(RS485).The default is the 0183 communication protocol.
- ⑧ Receiver output a pair of passive closed contact and a pair of active contact (DC24V 1A).
- ⑨ Self-check and out-of-step status: if the system is not in the "finished car" position, it will be lost.

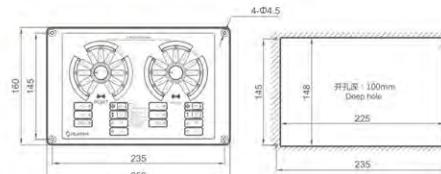
MCL-1/2AC-Q 船用双主机传令钟发信器 Transmitter of marine main engine telegraph

实用新型专利号 : ZL 2015 2 0045370.7
Utility mode copyright PN.

产品说明 (Specification)

颜色 Colour : 亚光黑 Dull black
外壳材质 Shell material : ABS
供电电源 Power supply : AC220V±10%, DC24V+10%
报警声压级 Alarm sound level : ≥75dB
功耗 Power consumption : 50W

当发信器和收信器不同步时,发出错向报警;具有失电报警和故障报警功能
When transmitter and receiver are not synchronous it will send out wrong-way alarm; Power failure alarm and fault alarm.



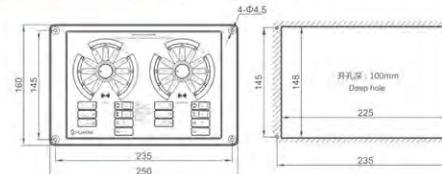
MCL-1/2AH 船用双主机传令钟收信器 Receiver of marine main engine telegraph

实用新型专利号 : ZL 2015 2 0045370.7
Utility mode copyright PN.

产品说明 (Specification)

颜色 Colour : 亚光黑 Dull black
外壳材质 Shell material : ABS
报警声压级 Alarm sound level : ≥75dB

当发信器和收信器不同步时,发出错向报警。
When transmitter and receiver are not synchronous it will send out wrong-way alarm.



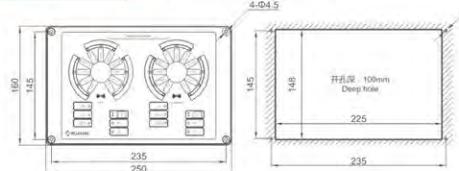
MCL-1/2AF-Q 船用双主机传令钟复示器 Repeater of marine main engine telegraph

实用新型专利号 : ZL 2015 2 0045370.7
Utility mode copyright PN.

产品说明 (Specification)

颜色 Colour : 亚光黑 Dull black
外壳材质 Shell material : ABS
报警声压级 Alarm sound level : ≥75dB

当发信器和收信器不同步时,发出错向报警。
When transmitter and receiver are not synchronous it will send out wrong-way alarm.

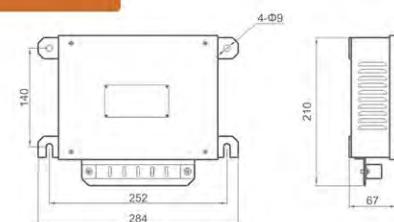


DF-2 稳压电源 Stabilized voltage supply

产品说明 (Specification)

颜色 Colour : RAL7035
外壳材质 Shell material : Q235B
供电电源 Power supply : AC220V±10%
功耗 Power consumption : 50W

把AC220V转换成DC24V,并具稳压功能。(仅提供双主机车钟)
It could change AC220V to DC24V, and it has Stabilized voltage output(Only two main engine telegraph is available)

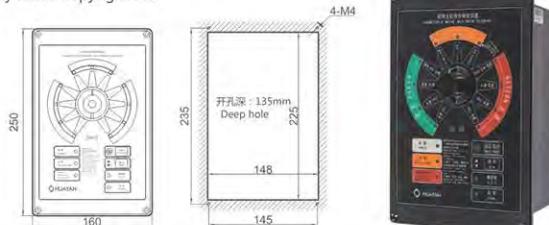


MCL-1AC-Q 船用主机传令钟发信器 Transmitter of marine main engine telegraph

产品说明 (Specification)

颜色 Colour : 亚光黑 Dull black
 外壳材质 Shell material : ABS
 供电电源 Power supply : DC24V±10%
 报警声压级 Alarm sound level : ≥75dB
 当发信器和收信器不同步时，发出错向报警；具有失电报警和故障报警功能
 When transmitter and receiver are not synchronous it will send out wrong-way alarm; Power failure alarm and fault alarm.

实用新型专利号 : ZL 2015 2 0045370.7
 Utility mode copyright PN.



MCL-1AH-Q 船用主机传令钟收信器 Receiver of marine main engine telegraph

产品说明 (Specification)

颜色 Colour : 亚光黑 Dull black
 外壳材质 Shell material : ABS
 报警声压级 Alarm sound level : ≥75dB
 当发信器和收信器不同步时，发出错向报警。
 When transmitter and receiver are not synchronous it will send out wrong-way alarm.

实用新型专利号 : ZL 2015 2 0045370.7
 Utility mode copyright PN.

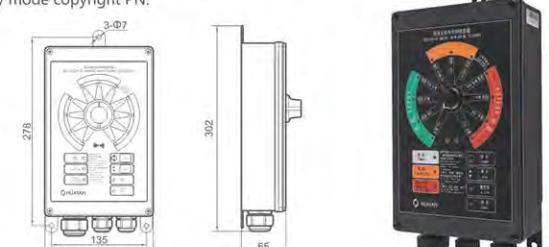


MCL-1AH-G 船用主机传令钟收信器 Receiver of marine main engine telegraph

产品说明 (Specification)

颜色 Colour : 亚光黑 Dull black
 填料函 Cable gland : 2-PG16,1-PG25
 外壳材质 Shell material : ABS
 报警声压级 Alarm sound level : ≥75dB
 当发信器和收信器不同步时，发出错向报警。
 When transmitter and receiver are not synchronous it will send out wrong-way alarm.

实用新型专利号 : ZL 2015 2 0045370.7
 Utility mode copyright PN.

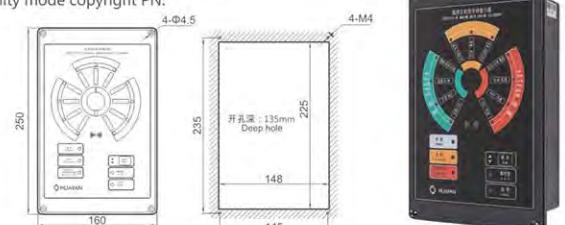


MCL-1AF-Q 船用主机传令钟复示器 Repeater of marine main engine telegraph

产品说明 (Specification)

颜色 Colour : 亚光黑 Dull black
 外壳材质 Shell material : ABS
 报警声压级 Alarm sound level : ≥75dB
 当发信器和收信器不同步时，发出错向报警。
 When transmitter and receiver are not synchronous it will send out wrong-way alarm.

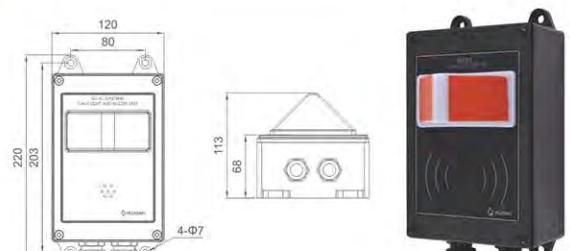
实用新型专利号 : ZL 2015 2 0045370.7
 Utility mode copyright PN.



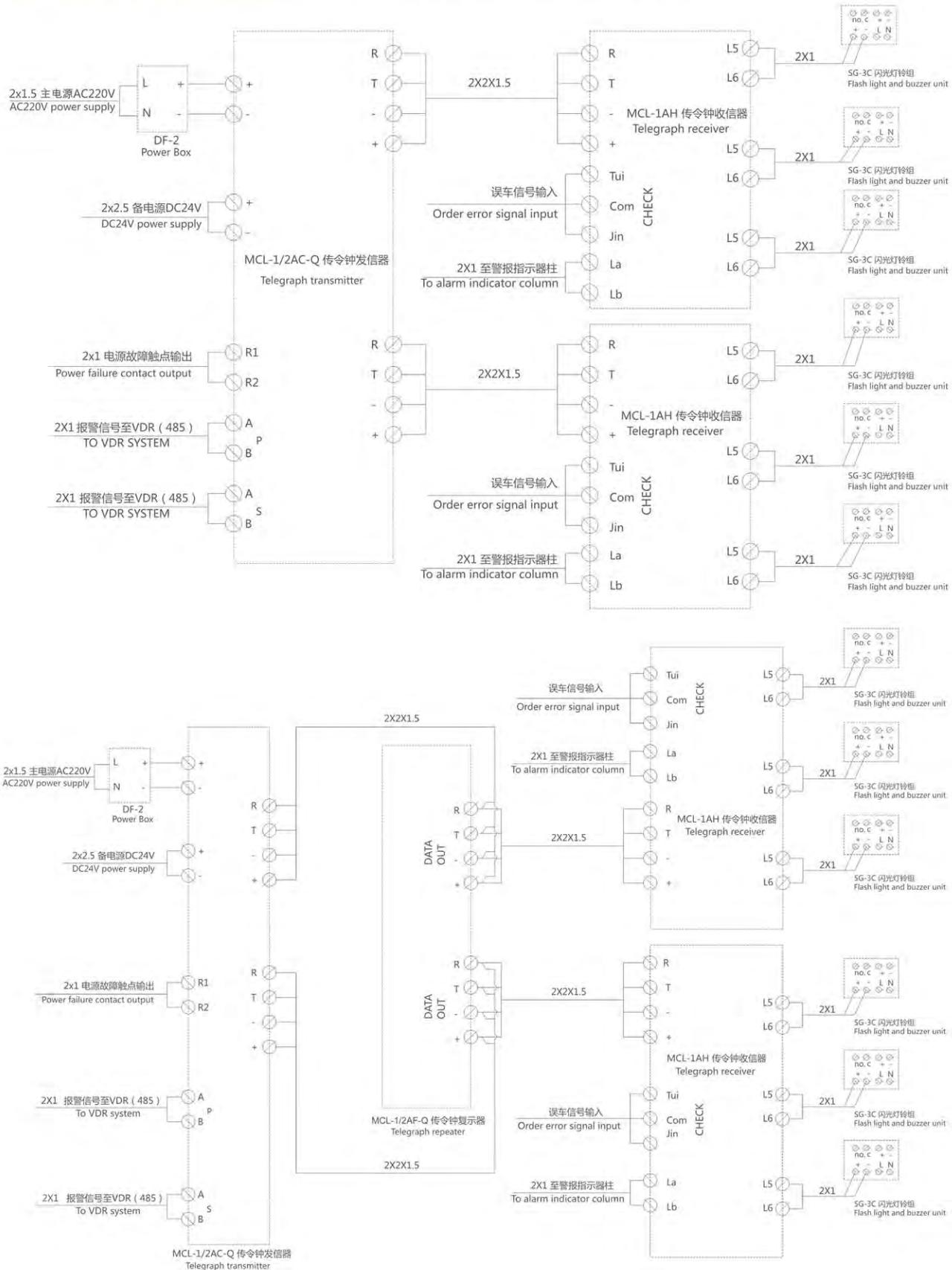
SG-3C 闪光灯铃组 Flash light and buzzer unit

产品说明 (Specification)

颜色 Colour : 亚光黑 Dull black
 外壳材质 Shell material : ABS
 填料函 Cable gland : 2-M20x1.5
 供电电源 Power supply : DC24V±10%
 具有增音和闪光提醒，带一组无源触点输出。
 With indicator light and buzzer, with one set of passive contact output.



船用主机传令钟系统接线图 Marine Engine Telegraph System Wiring Schematic Diagram





CHAPTER 12

CCL 应急主机传令钟系统

Emergency main engine telegraph system

系统组成

System composition

序号 No.	名 称 Name & Specification	型 号 Type	重 量 Weight	防 护 等 级 IP Rating
1.	船用应急主机传令钟发信器 Emergency main engine telegraph transmitter	CCL-1AC-Q	1.4kg	IP22
2.	船用应急双主机传令钟发信器 Emergency main engine telegraph transmitter	CCL-1/2AC-Q	0.7kg	IP22
3.	船用应急主机传令钟收信器 Emergency main engine telegraph receiver	CCL-1AH	0.8kg	IP44
4.	船用应急主机传令钟复示器 Emergency main engine telegraph receiver	CCL-IAF-Q	1.2kg	IP22
5.	船用应急双主机传令钟复示器 Emergency main engine telegraph repeater	CCL-1/2AF-Q	0.6kg	IP22
6.	稳压电源 Stabilized voltage supply	DF-2	2.1kg	IP22
7.	闪光灯铃组 Flashing light and buzzer unit	SG-3C	0.9kg	IP44

采用标准

Adopt standard

中国船级社《钢质海船入级规范》(2018)及其修改通报第4篇，第2章A。

Chapter2, Part 4 of CCS Rules for the Classification of Sea-going Steel Ships 2018 and its Amendments.

功能描述

Function description

- ① CCL应急主机传令钟共分十一档:进一、进二、进三、进四、备车、停车、完车、退一、退二、退三、退四。
- ② 误车报警:主机齿轮箱检测到转向信号与应急主机传令钟收信器所要求操作的进退方向相反时,应急主机传令钟发信器发出误车报警信号。主机齿轮箱信号由应急主机传令钟收信器输入检测判断。

③ 失电报警:当其中一路电源掉电时,自动转到另外一路电源,应急主机传令钟发信器发出失电报警声光信号。

④ 调光:可随外界光线强弱调节驾驶室应急主机传令钟发信器面板上指示灯。

⑤ 带VDR (RS485)接口,通讯协议为NMEA 0183。

⑥ 应急主机传令钟收信器输出一付无源闭合触点和一付有源触点(DC24V 1A)。

⑦ 具有前驾、后驾开关切换功能:通过开关控制一方在发令时另一方作为复示器功能,不能发令和回令。

① CCL Emergency Telegraph has 11 levels:forehead1,forehead2,forehead3,forehead4,stand by,stop,finished,astern1,astern2,astern3,astern4.

② Order error alarm: When the forward or astern signal is not synchronous detection by gear case of M/E and Emergency main engine telegraph receiver, The emergency main engine telegraph transmitter will send out order error alarm signal.Signal of M/E's gear case must be estimate obey the input detection signal of Emergency main engine telegraph receiver.

③ Power failure alarm: when the main power is fault, It could switch over to emergency power automatically, and Emergency main engine telegraph transmitter send out visual and audio signal of power failure alarm.

④ Light adjustable: the indicator in the wheel house panel can be adjusted.

⑤ VDR(RS485).The default is the 0183 communication protocol.

⑥ Emergency main engine telegraph receiver output a pair of passive closed contact and a pair of active contact (DC24V 1A).

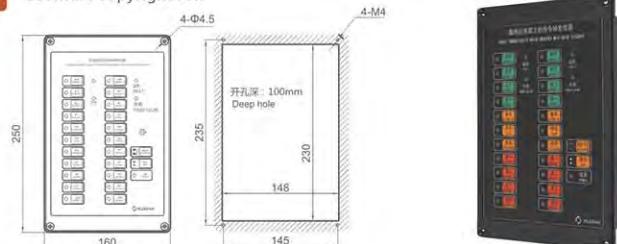
⑦ The function of switching between the front and rear switches: the function of the other side as the repeater is not allowed to be issued and returned by the other side of the switch control.

CCL-1/2AC-Q 船用应急主机传令钟发信器 Emergency main engine telegraph transmitter

产品说明 (Specification)

颜色 Colour : 亚光黑 Dull black
 外壳材质 Shell material : ABS
 报警声压级 Alarm sound level : ≥75dB
 具有失电报警、故障报警和误车报警功能
 With the function of power failure alarm, system failure alarm and order error alarm
 具有VDR接口，With VDR interface.

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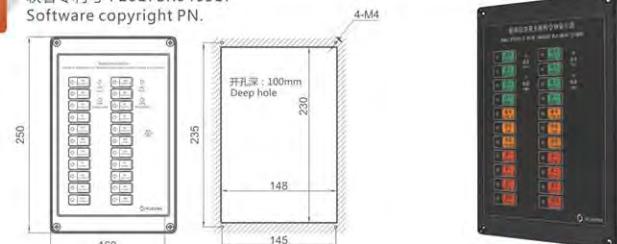


CCL-1/2AF-Q 船用应急主机传令钟复示器 Emergency main engine telegraph repeater

产品说明 (Specification)

颜色 Colour : 亚光黑 Dull black
 外壳材质 Shell material : ABS
 报警声压级 Alarm sound level : ≥75dB
 误车报警
 Order error alarm

软著专利号 : 2017SR046517
 Software copyright PN.

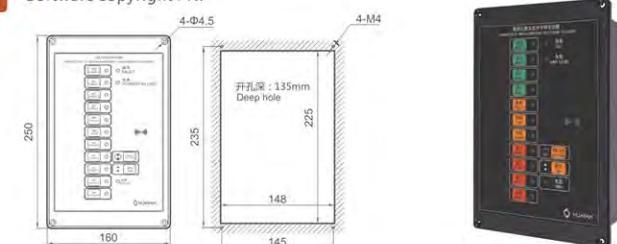


CCL-1AC-Q 船用应急主机传令钟发信器 Emergency main engine telegraph transmitter

产品说明 (Specification)

颜色 Colour : 亚光黑 Dull black
 外壳材质 Shell material : ABS
 报警声压级 Alarm sound level : ≥75dB
 具有失电报警、故障报警和误车报警功能
 With the function of power failure alarm, system failure alarm and order error alarm
 具有VDR接口，With VDR interface.

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 Software copyright PN.

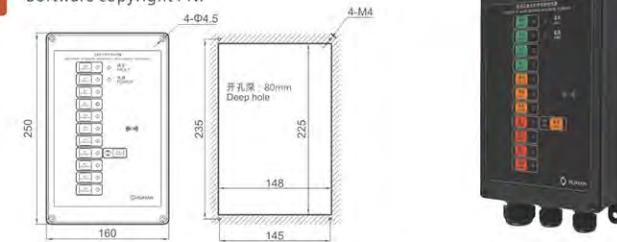


CCL-1AH 船用应急主机传令钟收信器 Emergency main engine telegraph receiver

产品说明 (Specification)

颜色 Colour : 亚光黑 Dull black
 外壳材质 Shell material : ABS
 填料函 Cable gland : PG16.2-PG13.5
 报警声压级 Alarm sound level : ≥75dB
 误车报警
 Order error alarm

软著专利号 : 2017SR046517
 Software copyright PN.

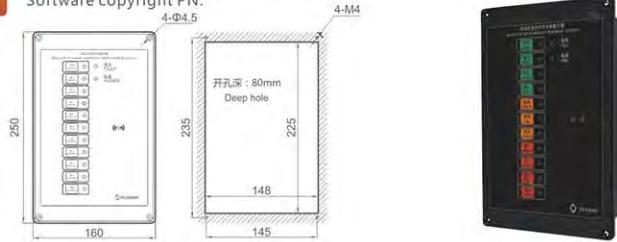


CCL-1AF-Q 船用应急主机传令钟复示器 Emergency main engine telegraph repeater

产品说明 (Specification)

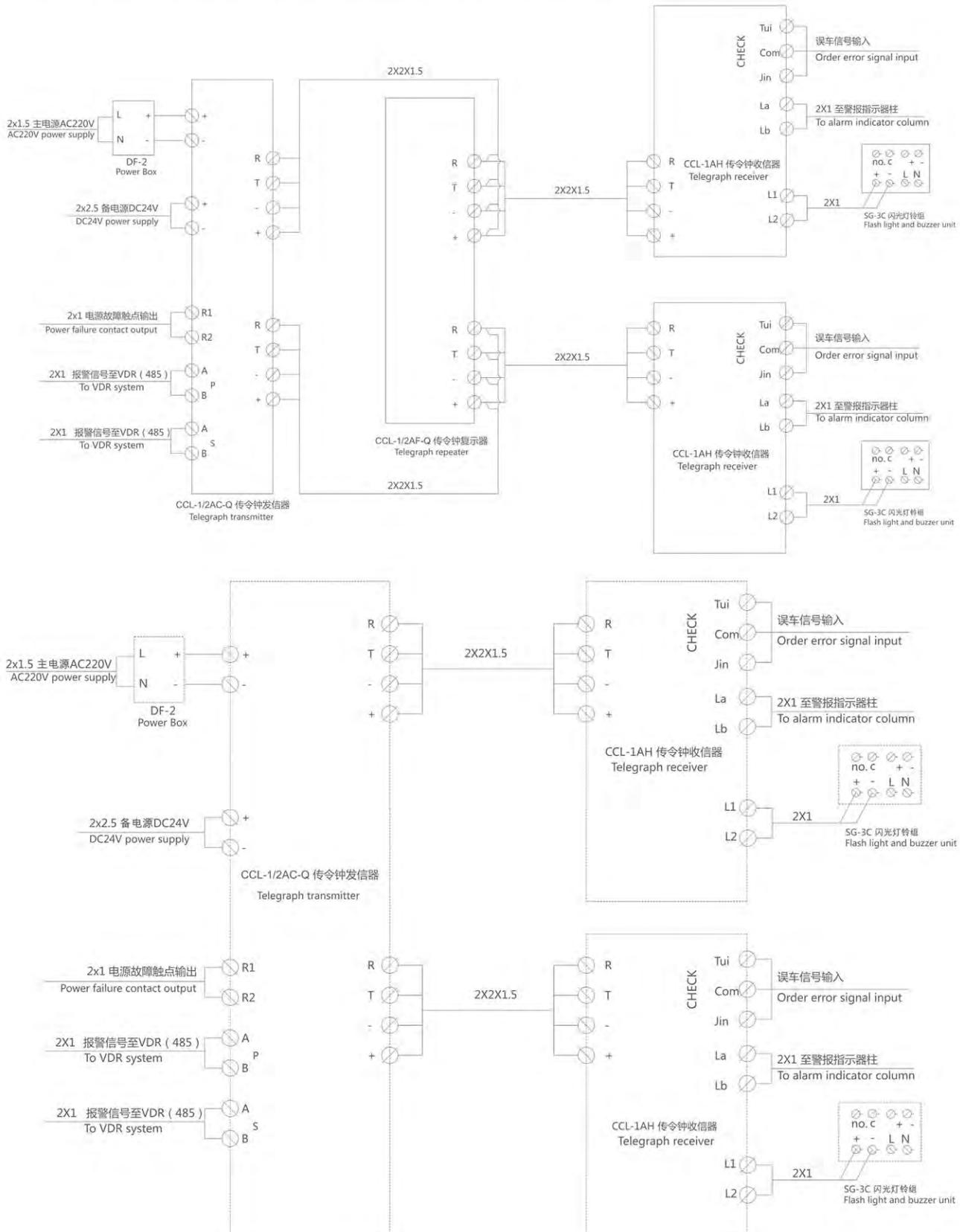
颜色 Colour : 亚光黑 Dull black
 外壳材质 Shell material : ABS
 报警声压级 Alarm sound level : ≥75dB
 误车报警
 Order error alarm

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CCL系列应急主机传令钟系统接线示意图

Example for CCL series emergency main engine telegraph system wiring schematic drawing





CHAPTER 13

CHJ 船用轮机员报警系统 Marine engineer alarm system

系统组成

System composition

序号 No.	名称 Name & Specification	型号 Type	重量 Weight	防护等级 IP Rating
1.	壁挂式轮机员报警主机(6路) Wall mounted engineer alarm main unit (6 way)	CHJ-1Z-G	2.6kg	IP44
2.	嵌入式轮机员报警主机(6路) Flush type engineer alarm main unit (6 way)	CHJ-1Z-Q	2.1kg	IP20
3.	壁挂式轮机员报警主机(12路) Wall mounted engineer alarm main unit (12 way)	CHJ-1Z-G	6.5kg	IP44
4.	嵌入式轮机员报警主机(12路) Flush type engineer alarm main unit (12 way)	CHJ-1Z-Q	6.2kg	IP20
5.	壁挂式轮机员报警分机 Wall mounted engineer alarm Extension	CHJ-1F-G	1.4kg	IP44
6.	嵌入式轮机员报警分机 Flush type engineer alarm Extension	CHJ-1F-Q	1.1kg	IP20
7.	嵌入式集中应答器 Flush type central responder	CHJ-1F-QJ	2.0kg	IP20
8.	壁挂式集中应答器 Wall mounted central responder	CHJ-1F-GJ	2.3kg	IP44

采用标准

Adopt standard

- ① 中国船级社《钢质海船入级规范》(2018)及其修改通报第4篇 , 第2章
- ② 国际海事组织 (IMO) A.1021 (26)决议《2009警报器和指示器规则》
- ① Chapter2, Part 4 of CCS Rules for the Classification of Sea-going Steel Ships 2018 and its Amendments.
- ② IMO Resolution A. 1021(26) CODE ON ALERTS AND INDICATORS,2009

功能描述

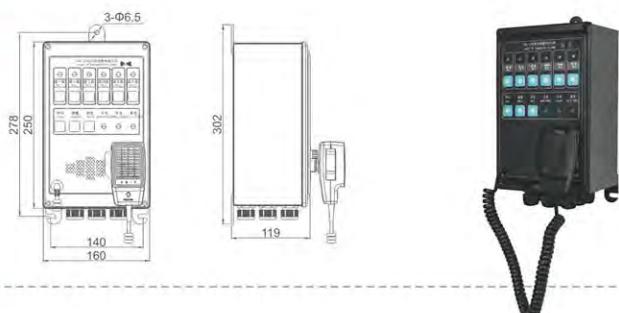
Function description

- | | |
|--|--|
| ① 供轮机相关人员呼叫、对讲
② 主机具有呼叫声光指示
③ 主机具有通播功能
④ 主机具有失电报警触点输出(1A)
⑤ 主机具有触点输出
⑥ 二线连接 | ① Used for the engineer to call and talk back
② Main unit call audible and visual indication
③ Main unit general speaking
④ Main unit power failure alarm contact output(1A)
⑤ Main unit alarm contact output
⑥ Double lines connection |
|--|--|

CHJ-1Z-G 壁挂式轮机员报警系统主机 Wall mounted engineer alarm main unit

产品说明 (Specification)

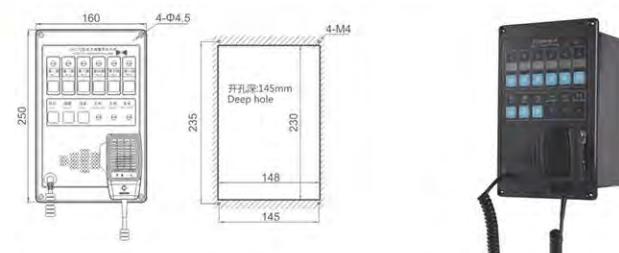
容 量 Capacity : 6门
 颜 色 Colour : 亚光黑 Dull black
 外壳材质 Shell material : ABS
 填 料 函 Cable gland : 9-PG16
 供电电源 Power supply : 2*DC24V±10%
 功 耗 Power consumption : 50W
 呼叫报警声强度 Call alarm sound Level : 75~95dB



CHJ-1Z-Q 嵌入式轮机员报警系统主机 Flush type engineer alarm main unit

产品说明 (Specification)

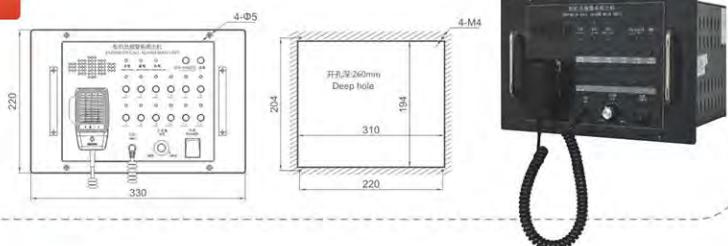
容 量 Capacity : 6门
 颜 色 Colour : 亚光黑 Dull black
 外壳材质 Shell material : ABS
 供电电源 Power supply : 2*DC24V±10%
 功 耗 Power consumption : 50W
 呼叫报警声强度 Call alarm sound Level : 75~95dB



CHJ-1Z-Q 嵌入式轮机员报警系统主机 Flush type engineer alarm main unit

产品说明 (Specification)

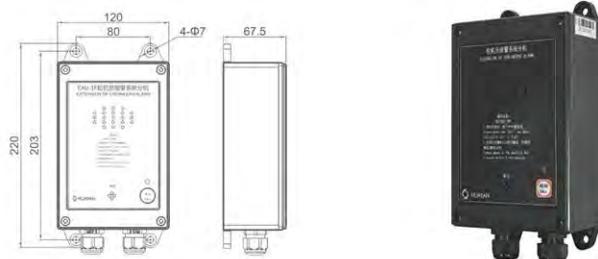
容 量 Capacity : 12门
 颜 色 Colour : 亚光黑 Dull black
 外壳材质 Shell material : Q235B
 供电电源 Power supply : AC220V±10%,DC24V±10%
 功 耗 Power consumption : 120W
 呼叫报警声强度 Call alarm sound Level : 75~95dB



CHJ-1F-G 壁挂式轮机员报警系统分机 Wall mounted engineer alarm extension

产品说明 (Specification)

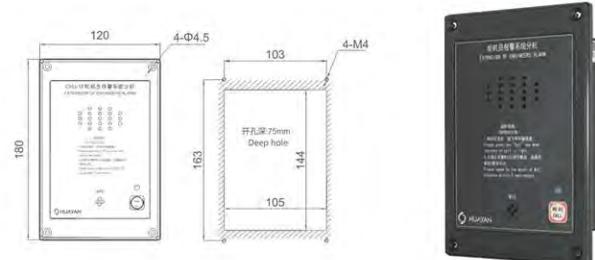
颜 色 Colour : 亚光黑 Dull black
 外壳材质 Shell material : ABS
 填 料 函 Cable gland : 2-PG16
 呼叫报警声强度 Call alarm sound Level : 75dB~95dB



CHJ-1F-Q 嵌入式轮机员报警系统分机 Flush type engineer alarm extension

产品说明 (Specification)

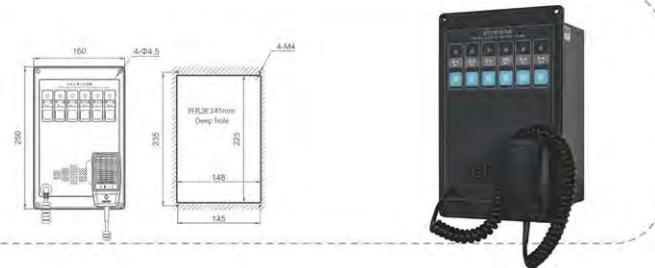
颜 色 Colour : 亚光黑 Dull black
 外壳材质 Shell material : ABS
 呼叫报警声强度 Call alarm sound level : 75dB~95dB



CHJ-1F-QJ 嵌入式集中应答器 Flush type central responder

产品说明 (Specification)

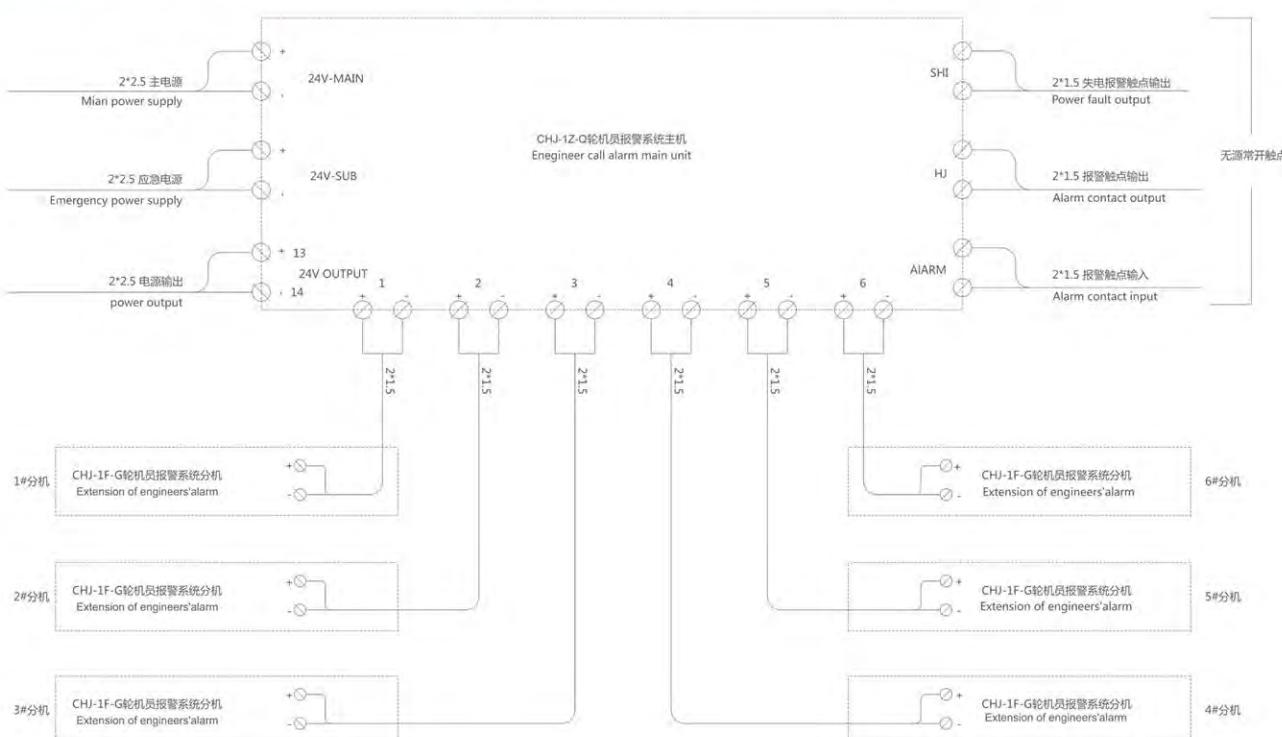
颜色 Colour : 亚光黑 Dull black
外壳材质 Shell material : ABS
报警声强度 Call alarm sound level : 75dB~90dB

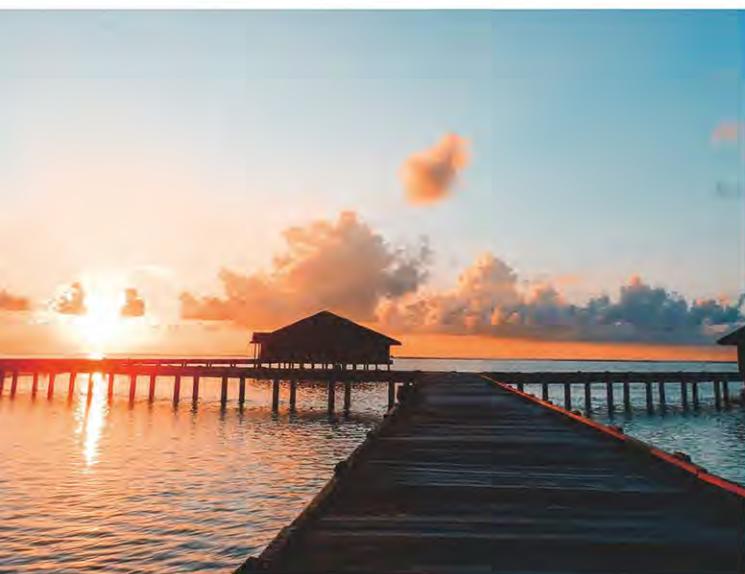


CHJ系列轮机员报警系统示意图 CHJ series engineer alarm system diagram



CHJ系列轮机员报警系统接线示意图 CHJ series engineer alarm system wiring schematic drawing





CHAPTER 14

CHJ 轮机员安全报警系统 Dead man alarm system

系统组成

System composition

序号 No.	名称 Name & Specification	型号 Type	重量 Weight	防护等级 IP Rating
1.	嵌入式轮机员安全报警主机 Dead man alarm main unit	CHJ-2Z-Q	1.8kg	IP20
2.	壁挂式轮机员安全报警主机 Dead man alarm main unit	CHJ-2Z-G	1.8kg	IP44
3.	轮机员安全报警启停按钮 Engineer safety alarm start or stop button	CHJ-QT-G	0.5kg	IP44
4.	轮机员安全报警复位板 Engineer safety alarm reset panel	CHJ-FW-G	0.5kg	IP44
5.	稳压电源 Stabilized voltage supply	DF-2	2.1kg	IP22

功能描述

Function description

- ① 轮机员安全报警器面板设有6路报警启动指示灯，可分别指示各路输入的启动状态，对应的指示灯下方为对应的报警启动按钮，轻触即可启动该路进入报警启动状态，对应键的状态灯亮指示已进入报警启动状态，系统进入倒计时(默认3分钟)。
- ② 面板设有一个消音键。按消音键，撤消所有报警启动，进入待机状态。
- ③ 主机有6路检测回路，一付输出有源触点DC24V /1A和一付无源(常开/常闭)触点。
- ④ 报警显示板可显示系统启动和报警状态，系统报警时发出声光报警信号

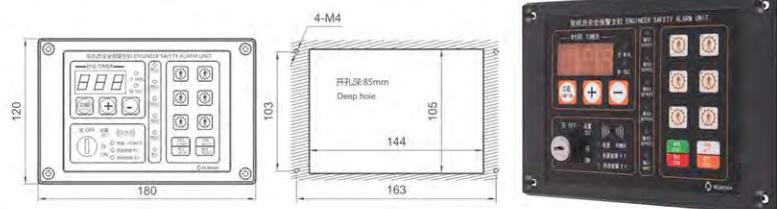
- ① Six alarm indicator light be set on dead Man Alarm main unit front panel,It display working state,There is a start pushbutton under each of alarm indicator light,Press these button take the system in alarm monitoring state, System in time count down (monitoring time be set in three minutes normally).
- ② One "Mute" key be set on dead Man Alarm main unit front panel, cancel all alarm state when press "Mute" key, and the system in standby state.
- ③ System has six monitoring loop, one voltage (DC24V/1A) contactor, one vol-free(normal open/closed) contactor
- ④ Alarm display panel display system start and alarm state, It send out sound and light signal when system in alarm state

CHJ-2Z-Q 嵌入式轮机员安全报警器 Flush type engineer safety alarm unit

软著专利号 : 2019SR0748580
Software copyright PN.

产品说明 (Specification)

颜色 Colour : 亚光黑 Dull black
外壳材质 Shell material : ABS
供电电源 Power supply : 2*DC24V±10%
呼叫报警声响应 Call alarm sound Level : 75dB-90dB
有6路区域显示，每路可接多个复位按钮和启动/停止按钮。预设最长巡视时间为30分钟，通常设为3分钟
Six monitoring loops could be display,each loop could connect several reset pushbuttons and start/stop pushbuttons, the monitoring time be set in three minutes normally, normally set 30 minutes.



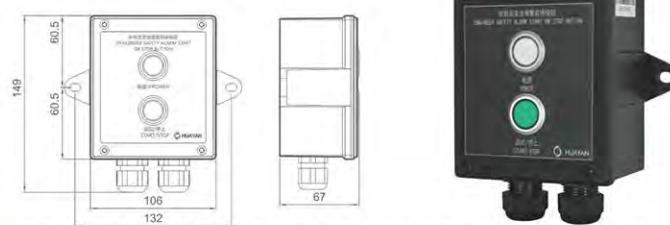
CHJ-QT-G 轮机员安全报警启停按钮 Engineer safety alarm start or stop button

产品说明 (Specification)

颜色 Colour : 亚光黑 Dull black
外壳材质 Shell material : ABS

填料函 Cable gland : 2-PG16

具有状态指示灯。报警时指示灯闪动
With status indicator light, flashing when alarm



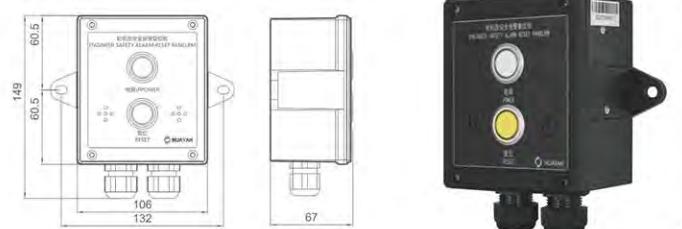
CHJ-FW-G 轮机员安全报警复位板 Engineer safety alarm reset panel

产品说明 (Specification)

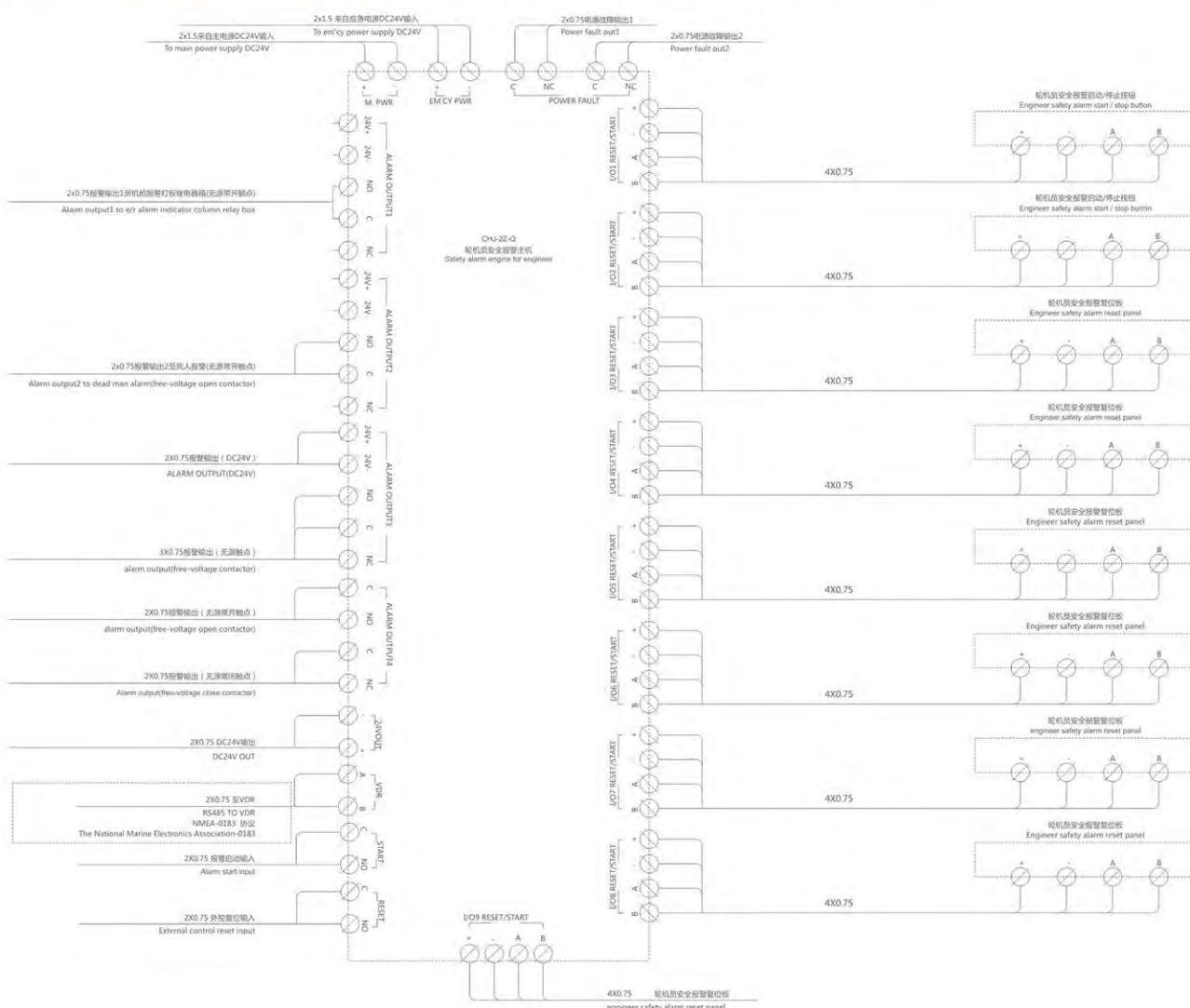
颜色 Colour : 亚光黑 Dull black
外壳材质 Shell material : ABS

填料函 Cable gland : 2-PG16

具有状态指示灯。报警时指示灯闪动
With status indicator light, flashing when alarm



CHJ轮机员安全报警系统接线示意图 CHJ series alarm system wiring schematic drawing





CHAPTER 15

CHJ 人员落水报警系统 Man overboard alarm system

系统组成

System composition

序号 No.	名称 Name & Specification	型号 Type	重量 Weight	防护等级 IP Rating
1.	人员落水报警器 Man overboard alarm	CHJ-4Z-Q	1.9kg	IP22
2.	人员落水报警器 Man overboard alarm	CHJ-4Z-G	2.8kg	IP44
3.	人员落水报警电源箱 Man overboard alarm power box	DF-1M	12.4kg	IP22
4.	船用警报器 Marine alarm controller	SG-7B/QT	0.5kg	IP44
5.	人员落水呼叫器 Man overboard call point	CHJ-AN-G	0.2kg	IP56

功能描述

Function description

人员落水报警系统主要用于人员跌落甲板时，现场人员按下就近的按钮进行报警，驾驶室和相关区域就会发出声和光的报警信号，让报警区域的人员知道有人落水，并组织人员施救。

设备具体分布如下：

人员落水报警装置带声光报警和分区显示功能安装于驾控台；

人员落水呼叫器分别安装于桥楼两翼和主甲板前后左右两侧。

接口：① 1组失电报警到监测报警系统；

② 即时输出：2组无源触点信号

③ 延时输出：1组无源触点信号

The man overboard alarm system is mainly used for when man falling off the deck, the scene personnel press the nearest button for alarm, the wheelhouse and related areas will send out sound and light alarm signals, so that the personnel in the alarm area will be noticed someone was overboard, and organize to rescue.

Specific equipment distribution is as following:

1set man overboard alarm device with sound and light alarm and partition display function installed on the wheelhouse console.

6 pieces man overboard call point are installed on the two wings of the bridge and on the left and right sides of the main deck.

Interface: ① a group of power failure alarm to the monitoring alarm system;

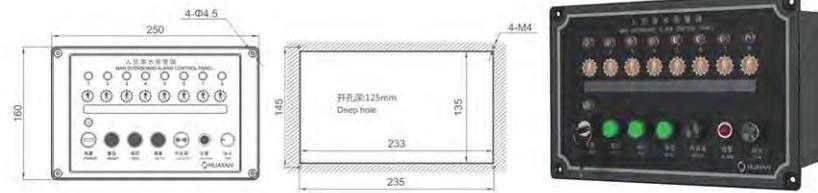
② instant output: there are two sets of contacts to the research GPS and air gun system

③ delay output: 1 set of contacts to general alarm.

CHJ-4Z-Q 人员落水报警器 Man overboard alarm

产品说明 (Specification)

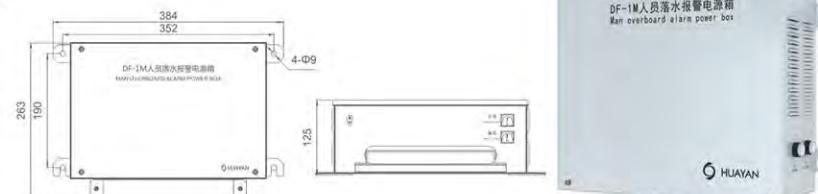
颜色 Colour : 亚光黑 Dull black
 外壳材质 Shell material : ABS
 供电电源 Power supply : AC220V±10%
 DC24V±10%
 呼叫报警声强度 Call alarm sound level: 75dB-90dB
 有8路区域显示，每路可连接人员落水呼叫器
 There are 8 channels shown, each of which can be connected to the man overboard call point



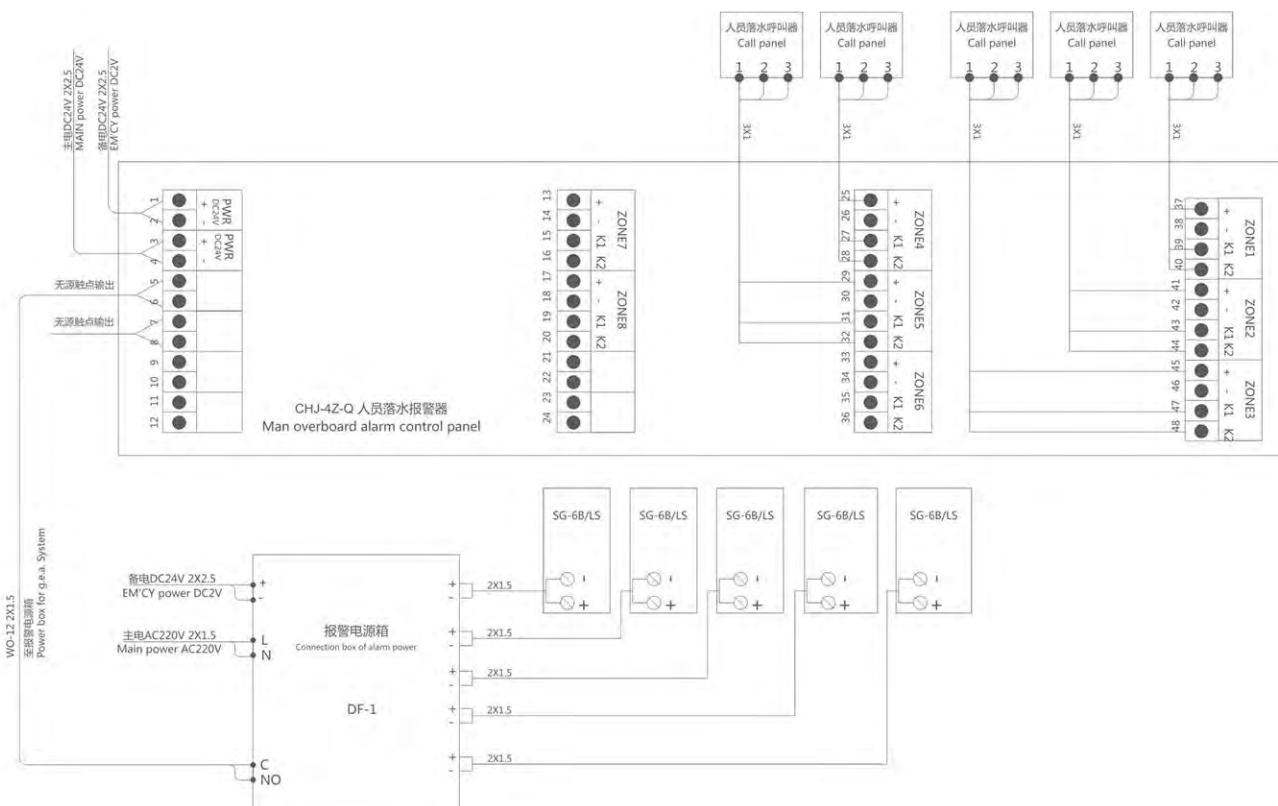
DF-1M 人员落水报警电源箱 Man overboard alarm power box

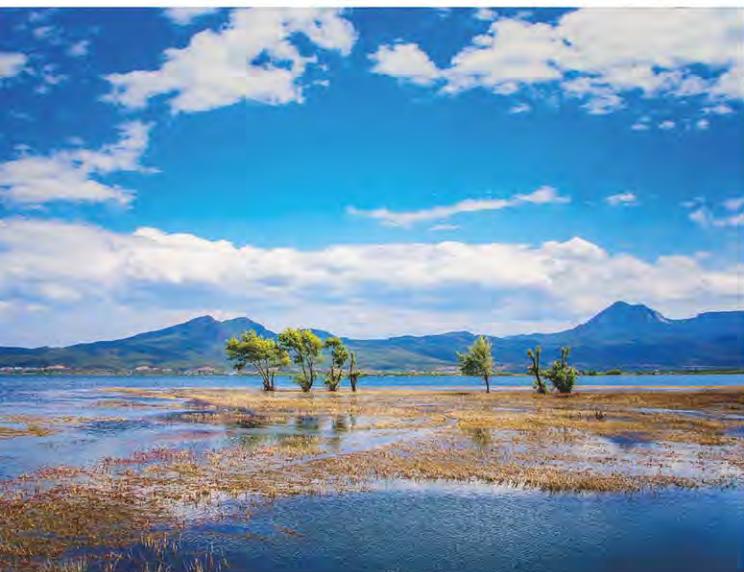
产品说明 (Specification)

颜色 Colour : RAL7035
 外壳材质 Shell material : Q235B
 供电电源 Power supply : AC220V±10%, DC24V±10%



CHJ轮机员安全报警系统接线示意图 CHJ series dead man alarm system wiring schematic drawing





CHAPTER 16

HZB

驾驶室航行值班报警系统
Bridge navigational watch alarm system

系统组成

System composition

序号 No.	名称 Name & Specification	型号 Type	重量 Weight	防护等级 IP Rating
1.	驾驶室航行值班报警系统主机(嵌入式) Flush type BNWAS main unit	HZB-1Z-Q	0.9kg	IP22
2.	驾驶室航行值班报警系统主机(壁挂式) Wall mounted BNWAS main unit	HZB-1Z-G	1.5kg	IP44
3.	驾驶室航行值班报警系统报警板(嵌入式) Flush type BNWAS alarm panel	HZB-BJ-Q	0.5kg	IP22
4.	驾驶室航行值班报警系统报警板(壁挂式) Wall mounted BNWAS alarm panel	HZB-BJ-G	0.5kg	IP56
5.	驾驶室航行值班报警系统报警板(嵌入式) Flush type BNWAS alarm panel	HZB-1BJ-Q	0.5kg	IP22
6.	驾驶室航行值班报警系统报警板(壁挂式) Wall mounted BNWAS alarm panel	HZB-1BJ-G	0.5kg	IP44
7.	驾驶室航行值班系统复位板(嵌入式) Flush type BNWAS reset panel	HZB-1FW-Q	0.5kg	IP22
8.	驾驶室航行值班系统复位板(壁挂式) Wall mounted BNWAS reset panel	HZB-1FW-G	0.5kg	IP56
9.	驾驶室航行值班报警系统信号接口单元 BNWAS signal interface unit	HZB-XH-G	0.5kg	IP56
10.	稳压电源 Stable power supply	DF-2	2.1kg	IP22
11.	驾驶室航行值班报警系统运动传感器(嵌入式) Flush type BNWAS motion sensor	HZB-CG-Q	0.2kg	IP20
12.	驾驶室航行值班报警系统运动传感器(壁挂式) Wall mounted BNWAS motion sensor	HZB-CG-G	0.3kg	IP22

采用标准

Adopt standard

- ① 国际海事组织海安会决议MSC.128(75)《桥楼航行值班报警系统(BNWAS)的性能标准》
- ② 国际海事组织大会决议A.694(17)《作为全球海上遇险和安全系统(遇险和安全系统)组成部分的船载无线电设备和电子助航设备的一般要求》
- ③ 国际海事组织海安会决议MSC.191(79)《船载航行显示器有关航行信息显示的性能标准》
- ④ IEC60945: 2002《船用导航和无线电通信设备及系统--通用要求一试验方法和试验结果要求》
- ⑤ IMO Resolution MSC.128(75) Performance Standards for a Bridge Navigational Watch Alarm System (BNWAS)
- ⑥ IMO Resolution A.694(17) General Requirements for Shipborne Radio Equipment Forming Part of The Global Maritime Distress and Safety System (GMDSS) and for Electronic Navigational Aids
- ⑦ IMO Resolution MSC.191(79) Performance Standards for the Presentation of Navigation-Related Information on Shipborne Navigational Displays
- ⑧ IEC60945: 2002, Maritime navigation and radiocommunication equipment and systems-- (eneral requirements Methods of testing and required test results)

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功能描述

Function description

驾驶室航行值班报警系统(BNWAS)旨在监视桥楼活动并发现由于操作者失去工作能力而可能导致的海事事故，该系统监视值班驾驶员(OWO)的意识，如由于任何原因而使OWO失去履行职责的能力时，该系统将自动向船长或其他有资格的OWO报警。该系统是以一系列的指示和报警达到这一目的的，首先是向OWO提出警告，如果没有得到应答，则将向船长或另一位有资格的OWO报警。此外，BNWAS还可向OWO提供即时求助的呼叫措施。无论船只由驾驶人员驾驶或启用跟踪控制系统航行时。BNWAS都应能工作，除非被船长禁止。

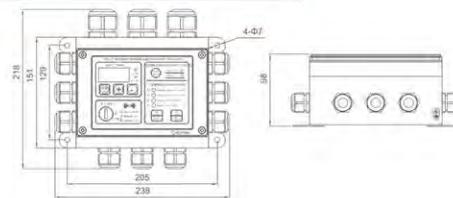
The purpose of a bridge navigational watch alarm system (BNWAS) is to monitor bridge activity and detect operator disability which could lead to marine accidents. The system monitors the awareness of the Officer of the Watch (OWO) and automatically alerts the Captain or another qualified OWO if for any reason the OWO becomes incapable of performing the OWO's duties. This purpose is achieved by a series of indications and alarms to alert first the OWO and, if he is not responding, then to alert the Captain or another qualified OWO. Additionally, the BNWAS may provide the OWO with a means of calling for immediate assistance if required. The BNWAS should be operational whenever the ship's heading or track control system is engaged, unless inhibited by the Captain.

HZB-1Z-G 驾驶室航行值班报警系统主机 Wall mounted BNWAS main unit

软著专利号 : 2019SR0465401
Software copyright PN.

产品说明 (Specification)

颜色 Colour : 亚光黑 Dull black
外壳材质 Shell material : ABS
填料函 Cable gland : 9-PG16+3-PG21
供电电源 Power supply : 2*DC24V±10%
功耗 Power consumption : 50W



HZB-1Z-Q 驾驶室航行值班报警系统主机 Flush type BNWAS main unit

软著专利号 : 2019SR0465401
Software copyright PN.

产品说明 (Specification)

颜色 Colour : 亚光黑 Dull black
外壳材质 Shell material : ABS
供电电源 Power supply : 2*DC24V±10%
功耗 Power consumption : 50W

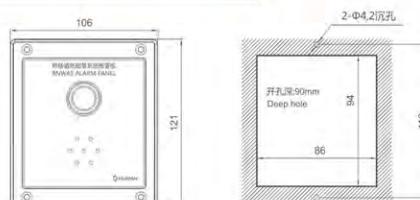


HZB-BJ-Q HZB-1BJ-Q 驾驶室航行值班报警系统报警板 BNWAS Alarm panel

软著专利号 : 2019SR0465401
Software copyright PN.

产品说明 (Specification)

颜色 Colour : 亚光黑 Dull black
外壳材质 Shell material : ABS
呼叫报警声强度 Call alarm sound Level : 80~95dB
备注 : HZB-1 BJ-Q 带调光
Remark: HZB-1 BJ-Q with dimmer

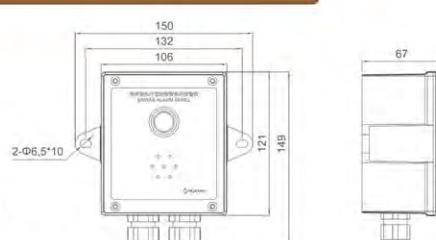


HZB-BJ-G 驾驶室航行值班报警系统报警板 BNWAS Alarm panel

软著专利号 : 2019SR0465401
Software copyright PN.

产品说明 (Specification)

颜色 Colour : 亚光黑 Dull black
外壳材质 Shell material : ABS
填料函 Cable gland : 2-PG13.5
呼叫报警声强度 Call alarm sound Level : 80~95dB

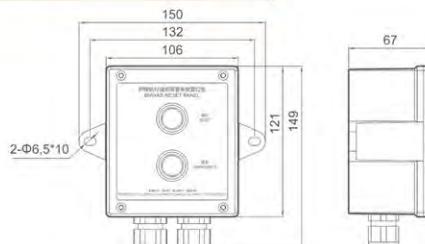


HZB-1FW-G 驾驶室航行值班复位板 BNWAS Reset panel

软著专利号 : 2019SR0465401
Software copyright PN.

产品说明 (Specification)

颜色 Colour : 亚光黑 Dull black
外壳材质 Shell material : ABS
填料函 Cable gland : 2-PG13.5

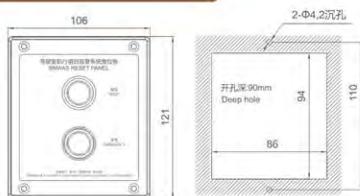


HZB-1FW-Q 驾驶室航行值班复位板 BNWAS Reset panel

软著专利号 : 2019SR0465401
Software copyright PN.

产品说明 (Specification)

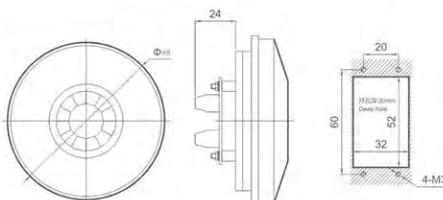
颜色 Colour : 亚光黑 Dull black
外壳材质 Shell material : ABS



HZB-CG-Q 驾驶室航行值班报警系统运动传感器 BNWAS Motion sensor

产品说明 (Specification)

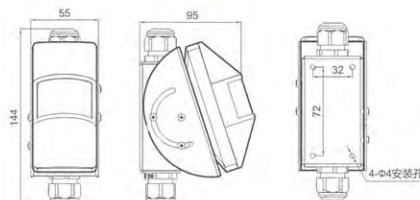
颜色 Colour : 白色 White
外壳材质 Shell material : ABS
供电电源 Power supply : DC24V±10%



HZB-CG-G 驾驶室航行值班报警系统运动传感器 BNWAS Motion sensor

产品说明 (Specification)

颜色 Colour : 白色 White
外壳材质 Shell material : ABS
填料函 Cable gland : 2-PG13.5
供电电源 Power supply : DC24V±10%

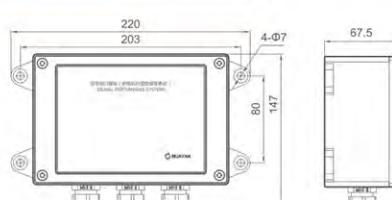


HZB-XH-G 驾驶室航行值班报警系统信号接口单元 BNWAS Signal interface unit

软著专利号 : 2019SR0465401
Software copyright PN.

产品说明 (Specification)

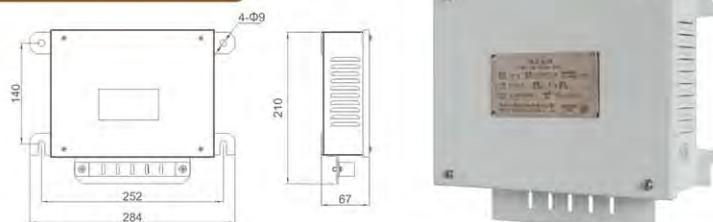
颜色 Colour : 亚光黑 Dull Black
外壳材质 Shell material : ABS
填料函 Cable gland : 3-PG13.5
供电电源 Power supply : DC24V±10%



DF-2 稳压电源 Stable power

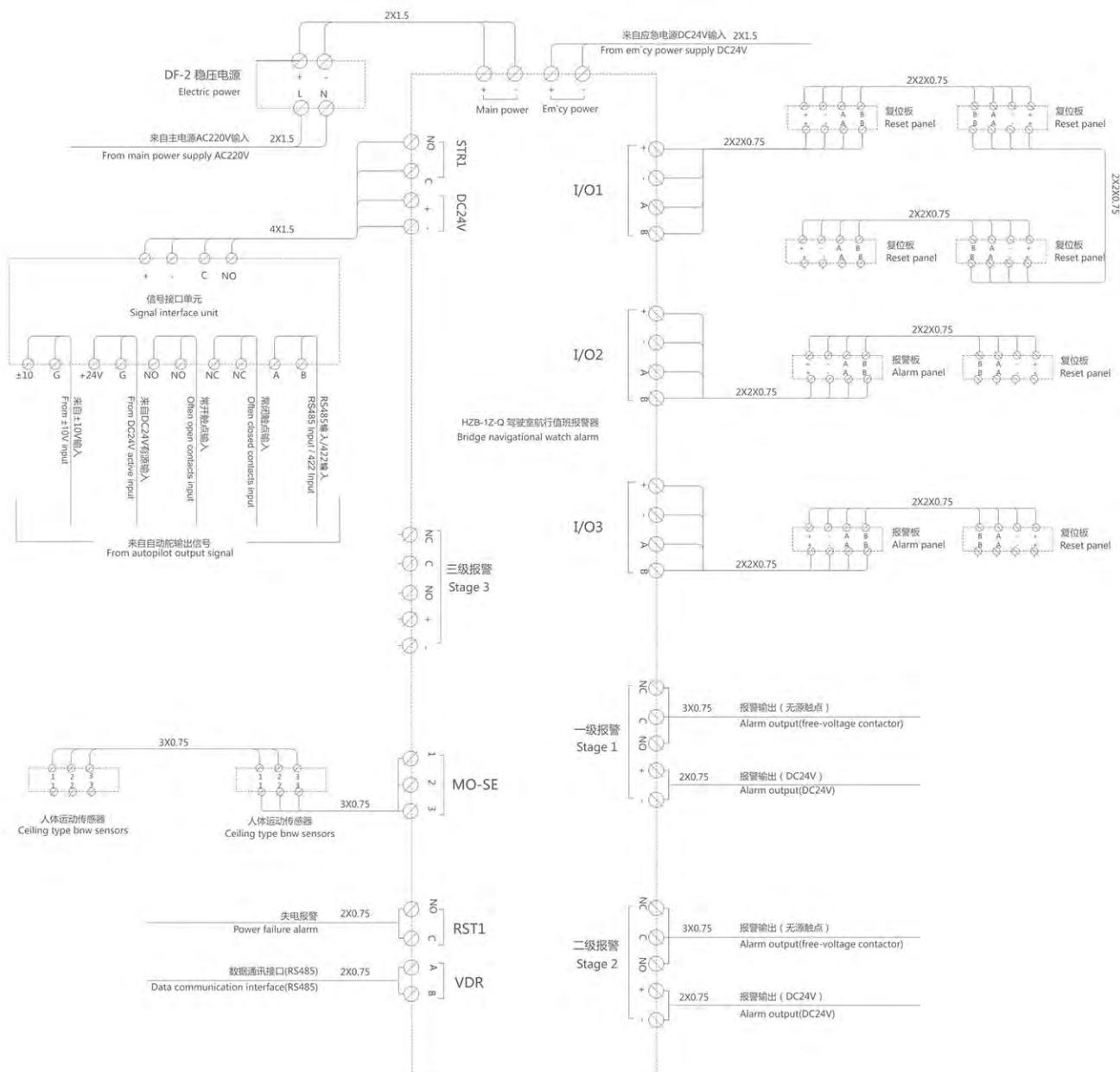
产品说明 (Specification)

颜色 Colour : RAL7035
供电电源 Power supply : AC220V±10%
外壳材质 Shell material : Q235B
功耗 Power : 50W



驾驶室航行值班报警系统接线图

Bridge navigational watch alarm system wiring schematic drawing





CHAPTER 17

YJB 病员呼叫系统 Hospital call system

系统组成

System composition

序号 No.	名称 Name & Specification	型号 Type	重量 Weight	防护等级 IP Rating
1.	嵌入式病员呼叫报警装置 Flush type hospital call alarm main unit	YJB-1Q	0.48kg	IP20
2.	壁挂式病员呼叫报警装置 Wall mounted hospital call alarm main unit	YJB-1G	1.28kg	IP44
3.	嵌入式病员呼叫显示板 Flush type hospital call display panel	YJB-1QF	0.46kg	IP20
4.	壁挂式病员呼叫显示板 Wall mounted hospital call display panel	YJB-1GF	0.8kg	IP44
5.	嵌入式病员呼叫器 Flush type hospital call point	YJB-HJ-Q	0.1kg	IP20
6.	壁挂式病员呼叫器 Wall mounted hospital call point	YJB-HJ-G	0.5kg	IP44
7.	壁挂式病员呼叫器 Wall mounted hospital call point	YJB-HJ-G	0.5kg	IP56
8.	带灯警报器 Alarm siren with lamp	SG-7B/BYZ	0.6kg	IP56
9.	稳压电源 Stabilized power	DF-2	2.1kg	IP22

采用标准

Adopt standard

- ① 中国船级社《钢质海船入级规范》(2018)及其修改通报第4篇, 第2章
- ② 国际海事组织(IMO) A.1021 (26)决议《2009警报器和指示器规则》
- ① Chapter2, Part 4 of CCS Rules for the Classification of Sea-going Steel Ships 2018 and its Amendments.
- ② IMO Resolution A. 1021(26) CODE ON ALERTS AND INDICATORS,2009

功能描述

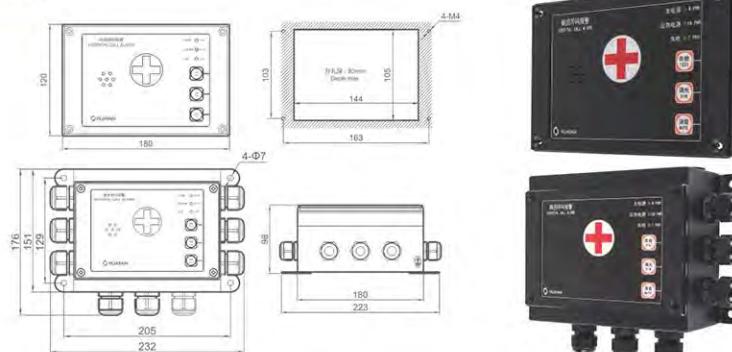
Function description

- ① 病员呼叫报警装置接收到病员报警呼叫按钮信号时, 对应按钮上的报警灯闪亮, 病员呼叫报警装置发出声光报警, 外接输出报警, 同时, 病员呼叫显示板也相应发出声光报警。
- ② 病员呼叫报警装置上的“消音”键, 可暂停声音报警和外接输出报警;
- ③ 病员呼叫报警装置上的“测试”键可以对系统本身进行测试。
- ④ 病员呼叫按钮带自锁, 带电源指示灯和报警指示灯。
- ① Hospital call alarm device receives the Hospital alarm call button signal, the corresponding button on the alarm lamp shining, hospital call alarm device send out sound and light alarm, external output alarm, at the same time, the Hospital call display board also corresponding send out sound and light alarm.
- ② Hospital call alarm device on the "mute" button, can suspend voice alarm and external output alarm;
- ③ Hospital call alarm device on the "test" key to test the system itself.
- ④ Hospital call button with self-locking , With power light and alarm light.

YJB-1Q YJB-1G 病员呼叫报警装置 Hospital call alarm main unit

产品说明 (Specification)

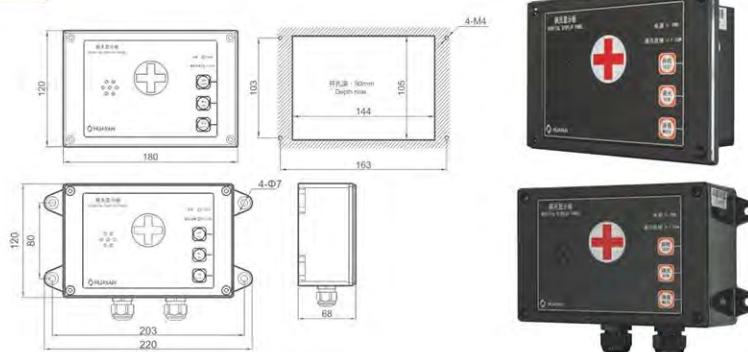
颜色 Colour : 亚光黑 Dull black
 外壳材质 Shell material : ABS
 填料函 Cable gland : 6PG16+3PG21
 (壁挂式 wall mounted)
 供电电源 Power supply : DC24V±10%
 功耗 Power consumption : 50W
 报警声压级 Alarm sound pressure level : 75dB~90dB



YJB-1QF YJB-1GF 病员显示板 Hospital display panel

产品说明 (Specification)

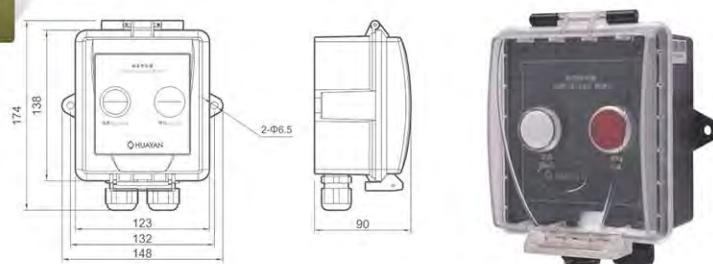
颜色 Colour : 亚光黑 Dull black
 外壳材质 Shell material : ABS
 填料函 Cable gland : 2-PG16
 (壁挂式 wall mounted)
 报警声压级 Alarm sound pressure level : 75dB~90dB



YJB-HJ-G 壁挂式病员呼叫器 Wall mounted hospital call point

产品说明 (Specification)

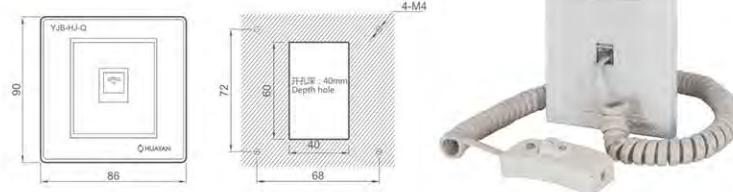
颜色 Colour : 亚光黑 Dull black
 外壳材质 Shell material : ABS
 填料函 Cable gland : 2-PG16



YJB-HJ-Q 嵌入式病员呼叫器 Flush type hospital call point

产品说明 (Specification)

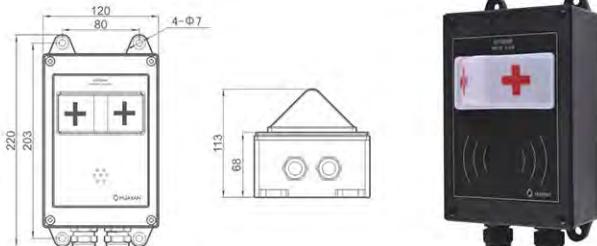
颜色 Colour : 米白色 Cream-colored
 外壳材质 Shell material : ABS



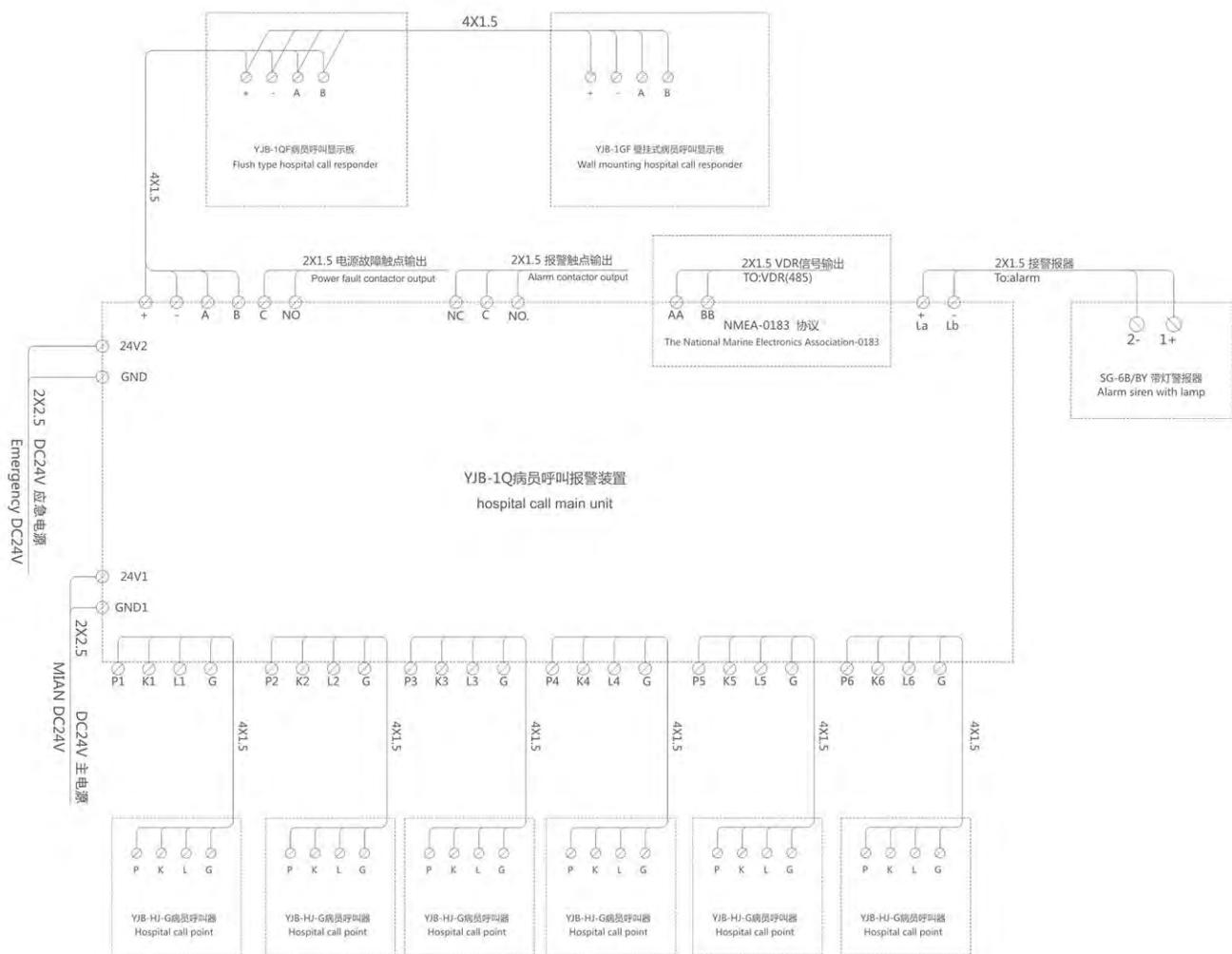
SG-7B/BYZ 带灯警报器 Alarm siren with lamp

产品说明 (Specification)

颜色 Colour : 亚光黑 Dull black
 外壳材质 Shell material : ABS
 填料函 Cable gland : 2-PG16
 报警声压级 Alarm sound pressure level : 85dB~95dB
 病员呼叫报警装置连接为2芯线
 The cable connect to hospital calling main unit is 2 wires



YJB病员呼叫系统接线示意图 Hospital calling system wiring connection drawing





CHAPTER 18

LJB 冷库呼叫系统 Refrigerator call system

系统组成

System composition

序号 No.	名称 Name & Specification	型号 Type	重量 Weight	防护等级 IP Rating
1.	嵌入式冷库呼叫报警装置 Flush type refrigerator call main unit	LJB-1Q	0.5kg	IP20
2.	壁挂式冷库呼叫报警装置 Wall mounted refrigerator call main unit	LJB-1G	1.5kg	IP44
3.	嵌入式冷库呼叫显示板 Flush type refrigerator call display panel	LJB-1QF	0.46kg	IP20
4.	壁挂式冷库呼叫显示板 Wall mounted refrigerator call display panel	LJB-1GF	0.8kg	IP44
5.	壁挂式冷库呼叫器 Wall mounted refrigerator	LJB-HJ-G	0.5kg	IP56
6.	带灯警报器 Alarm siren with lamp	SG-7B/LKZ	0.6kg	IP56
7.	稳压电源 Stabilized voltage power	DF-2	2.1kg	IP22

采用标准

Adopt standard

- ① 中国船级社《钢质海船入级规范》(2018)及其修改通报第4篇 , 第1章
- ② 国际海事组织 (IMO) A.1021 (26)决议《2009警报器和指示器规则》
- ① Chapter1, Part 4 of CCS Rules for the Classification of Sea-going Steel Ships 2018 and its Amendments.
- ② IMO Resolution A. 1021(26) CODE ON ALERTS AND INDICATORS,2009

功能描述

Function description

- ① 冷库呼叫报警装置接收到冷库报警呼叫按钮信号时 , 对应按钮上的报警灯闪亮 , 冷库呼叫报警装置发出声光报警 , 外接输出报警 , 同时 , 冷库呼叫显示板也相应发出声光报警。
- ② 冷库呼叫报警装置上的“消音”键 , 可暂停声音报警和外接输出报警;
- ③ 冷库呼叫报警装置上的“测试”键可以对系统本身进行测试。
- ④ 冷库呼叫按钮带自锁带电源指示灯和报警指示灯。
- ① Refrigerator call alarm device receives the Refrigerator alarm call button signal, the corresponding button on the alarm lamp shining, Refrigerator call alarm device send out sound and light alarm, external output alarm, at the same time, the Refrigerator call display board also corresponding send out sound and light alarm.
- ② Refrigerator call alarm device on the "mute" button, can suspend voice alarm and external output alarm.
- ③ Refrigerator call alarm device on the "test" key to test the system itself.
- ④ Refrigerator call button with self-locking ,With power light and alarm light.

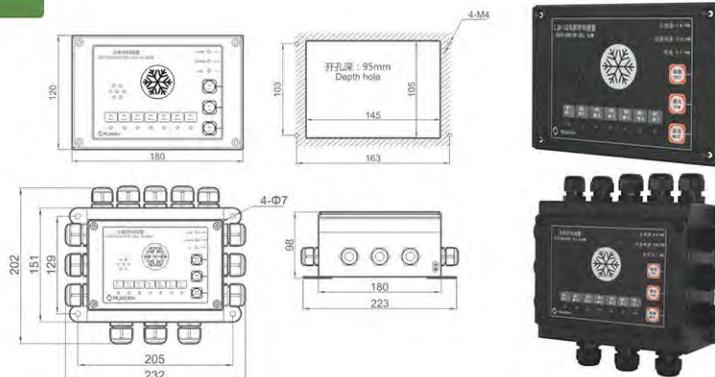
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LJB-1Q LJB-1G 冷库呼叫报警装置 Refrigerator call main unit

产品说明 (Specification)

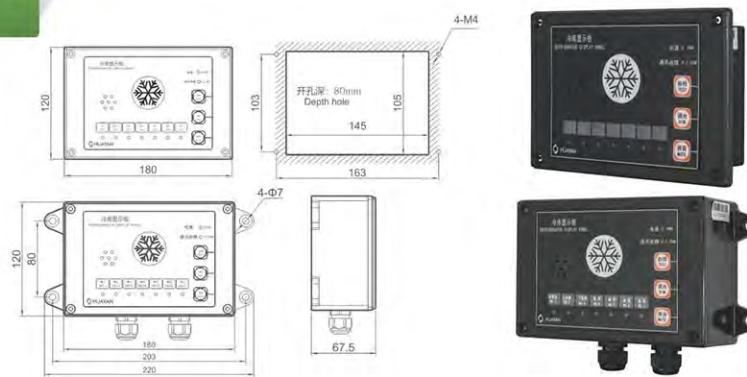
颜色 Colour : 亚光黑 Dull black
 外壳材质 Shell material : ABS
 填料函 Cable gland : 9PG16+3PG21+2PG13.5
 (壁挂式 Wall mounted)
 供电电源 Power supply : 2*DC24V±10%
 功耗 Power consumption : 50W
 报警声压级 Alarm sound pressure level : 75~90dB



LJB-1QF LJB-1GF 冷库呼叫显示板 Refrigerator call display panel

产品说明 (Specification)

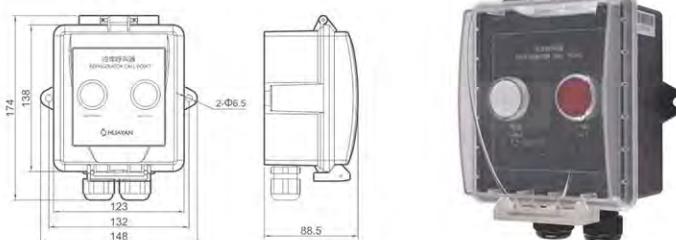
颜色 Colour : 亚光黑 Dull black
 外壳材质 Shell material : ABS
 填料函 Cable gland : 2-PG16
 (壁挂式 Wall mounted)
 报警声压级 Alarm sound pressure level : 75~90dB



LJB-HJ-G 壁挂式冷库呼叫器 Wall mounted refrigerator call point

产品说明 (Specification)

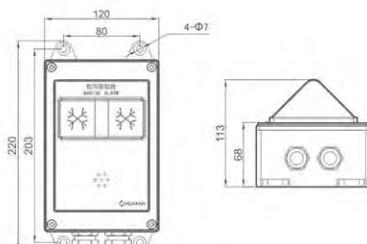
颜色 Colour : 亚光黑 Dull black
 外壳材质 Shell material : ABS
 填料函 Cable gland : PG16



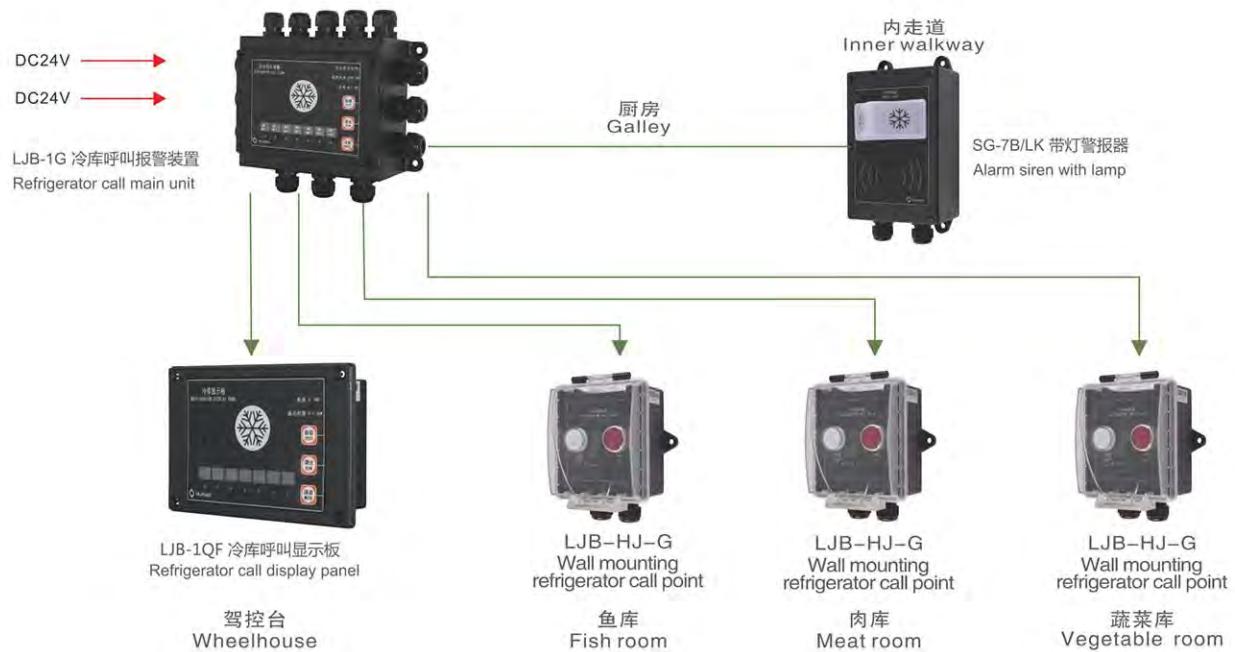
SG-7B/LK 带灯警报器 Alarm siren with lamp

产品说明 (Specification)

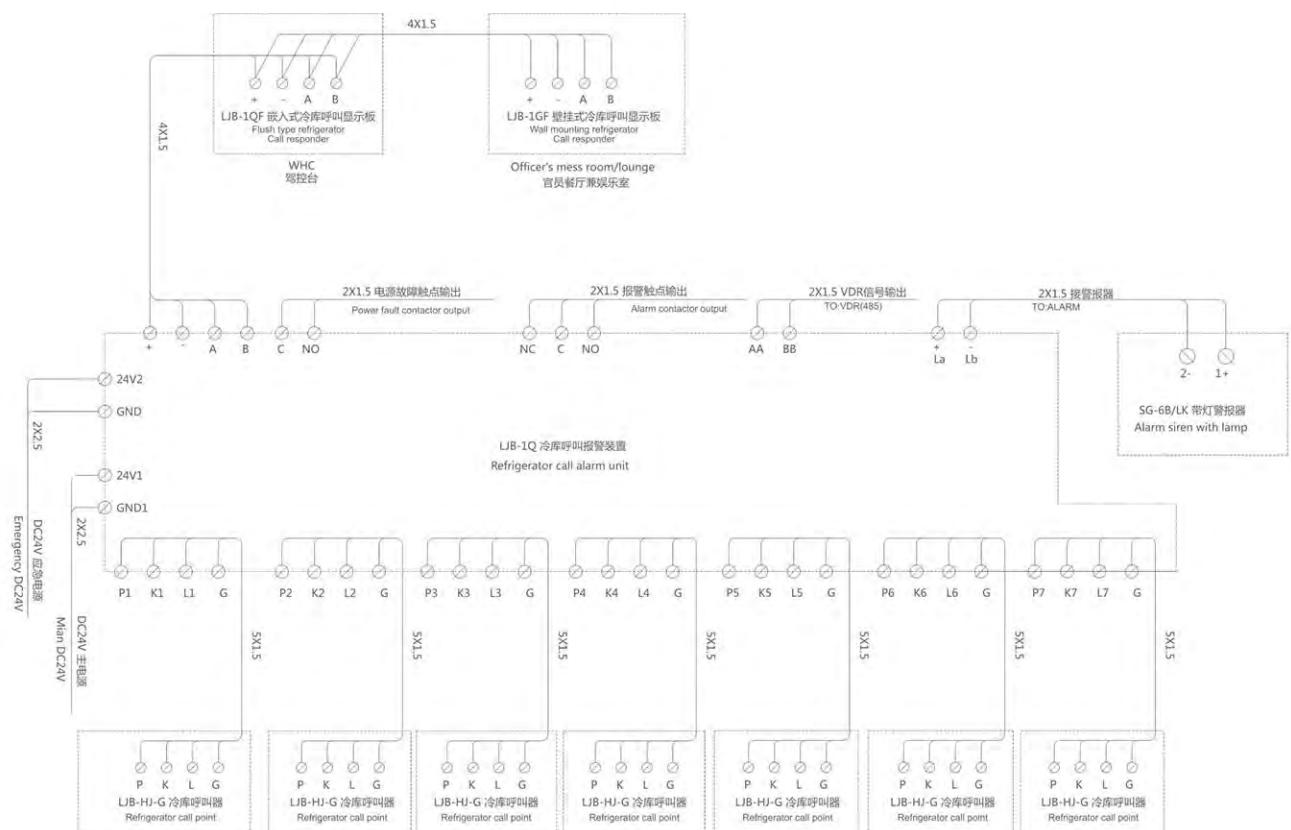
颜色 Colour : 亚光黑 Dull black
 外壳材质 Shell material : ABS
 填料函 Cable gland : 2-PG16
 报警声压级 Alarm sound pressure level : 85~95dB



LJB冷库呼叫系统示意图 Refrigerator call system schematic diagram



LJB型冷库呼叫系统接线示意图 Refrigerator calling system wiring connection drawing



CHAPTER 19

WD

雾笛系统

Fog horn system



系统组成

System composition

序号 No.	名 称 Name & Specification	型 号 Type	重 量 Weight	防 护 等 级 IP Rating
1.	号笛控制器 Whistle controller	WDQ-1A	1.8kg	IP22
2.	号笛按钮 Whistle button	HDQ-AN	0.2kg	IP22
3.	号笛按钮 Whistle button	HDG-AN	0.5kg	IP56
4.	雾笛机械拉手 Mechanical for fog horn	WD-M	1.0kg	IP56
5.	雾笛 Fog horn	WD-1	~35kg	IP65
6.	雾笛 Fog horn	WD-1A	~35kg	IP65
7.	雾笛 Fog horn	WD-2	~40kg	IP65
8.	雾笛 Fog horn	WD-2A	~40kg	IP65
9.	雾笛 Fog horn	WD-3	~50kg	IP65
10.	雾笛 Fog horn	WD-3A	~50kg	IP65

采用标准

Adopt standard

- ① 中国船级社《钢质海船入级规范》2018及其修改通报第4篇,第3章
- ② 1972年国际海上避碰规则及其修正案附录III
- ③ 中华人民共和国海事局《船舶与海上设施法定检验规则国际航行海船法定检验规则》(2014)及其修改通报第4篇第13章
- ④ 中华人民共和国海事局《船舶与海上设施法定检验规则国内航行海船法定检验规则》(2011)及其修改通报第4篇第8章
- ① Chapter 3, Part Four of China Classification Society Rules for Classification of Sea-Going Steel ships 2018 and its Amendments.
- ② Annex III of Convention on The International Regulations for Preventing Collision at Sea (COLREG) 1972 and its Amendments.
- ③ Chapter 13, Part Four of China MSA Regulation for Statutory Survey of Ships and Offshore Installations-Regulation for Statutory Survey of Sea-Going Ships Engaged in International Voyages (2014).
- ④ Chapter 8, Part Four of China MSA Regulation for Statutory Survey of Ships and Offshore Installations-Regulation for Statutory Survey of Sea-Going Ships Engaged in Domestic Voyages (2011).

功能描述

Function description

在面板上“模式”按键选择工作模式，对应指示灯亮，先选择“自动”模式，然后可以通过“时间”按键选择工作周期:60S、90S、120S；选择时间后可以选择信号类型：一长鸣、一长一短鸣、一长二短鸣、一长三短鸣、一短一长一短鸣和二长鸣(一长鸣4-6秒、一短鸣约1秒、长短及两短间隔约1秒，两长间隔约2秒)，控制器将控制号笛周期性地发送信号，并有一副无源触点随自动节奏变化输出。若需停止，再次按下对应信号按键则可立即停止。

手动鸣笛：将开关转到手动档。按手动的节奏发送信号

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功能描述

Function description

Select working mode via the "Mode" button on panel and the corresponding indicator light will be ON and then select work period of 60S, 90S or 120S via "Time" button; and then select type of signal: one long whistle, one long whistle and one short whistle, one long whistle and two short whistles, one long whistle and three short whistles, one short and one long and one short whistle and two long whistles (one long whistle is for 4-6s, one short whistle is about 1s, the interval between the long and short whistle or between two short whistles is about 1s and the interval for the two long whistles is about 2s), the controller sends signals for the control whistles periodically and a set of passive contact is output as the automatic rhythm changes. Press the corresponding signal button for immediate stop.

Manual control: Change the switch to manual level, send the signal by hand

WDQ-1A 号笛控制器 Whistle controller

产品说明 (Specification)

颜色 Colour : 亚光黑 Dull black

外壳材质 Shell material : ABS

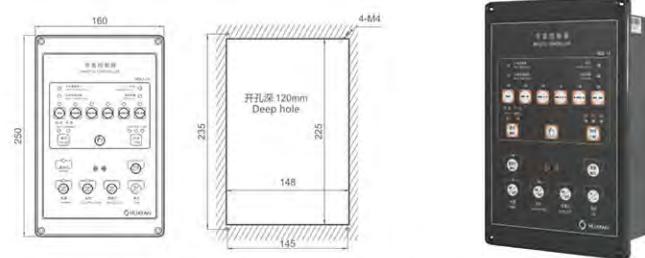
供电电源 Power source : 2*AC220V±10% or AC220V±10%, DC24±10%

雾灯功率 Fog light power : ≤100W

电加热控制端功率 Heater power : ≤200W

输出到电磁阀电压 Electromagnetism valve : DC220V or DC24V

功耗 Power consumption : 300W



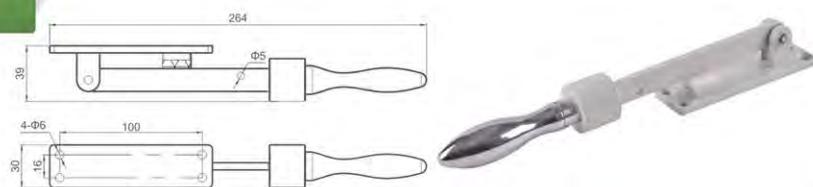
WD-M 雾笛机械拉手 Mechanical for fog horn

产品说明 (Specification)

颜色 Colour : RAL7035

外壳材质 Shell material : SUS

用途 Function : 手动鸣笛 Manual horn



WDQ-1A雾笛控制系统示意图

WDQ Fog horn system schematic diagram





CHAPTER 20

YHC 电笛控制系统 Marine whistle system

系统组成

System composition

序号 No.	名 称 Name & Specification	型 号 Type	重 量 Weight	防 护 等 级 IP Rating
1.	号笛控制器 Whistle controller	DDQ-1A	1.8kg	IP22
2.	100W电笛信号单元 Electric whistle signal unit	DDX-1	11.5kg	IP22
3.	200W电笛信号单元 Electric whistle signal unit	DDX-1	11.5kg	IP22
4.	船用号笛 Marine whistle	YHC100	19kg	IP56
5.	船用号笛 Marine whistle	YHC200	20kg	IP56
6.	船用号笛按钮 Marine whistle button	HDQ-AN	0.2kg	IP22
7.	船用号笛按钮 Marine whistle button	HDG-AN	0.5kg	IP44
8.	船用号笛按钮 Marine whistle button	HDG-AN	0.5kg	IP56

采用标准

Adopt standard

- ① 1972年国际海上避碰规则及其修正案附录III
- ② 中华人民共和国海事局《船舶与海上设施法定检验规则国际航行海船法定检验规则》(2014)及其修改通报第4篇第13章
- ③ 中华人民共和国海事局《船舶与海上设施法定检验规则国内航行海船法定检验规则》(2011)及其修改通报第4篇第8章
- ④ IEC 60945:2002/COR1:2008 《船用航行和无线电通信设备及系统-通用要求-试验方法和试验结果的要求》
- ① Annex III of Convention on The International Regulations for Preventing Collision at Sea (COLREG) 1972 and its Amendments.
- ② Chapter 13, Part Four of China MSA Regulation for Statutory Survey of Ships and Offshore Installations-Regulation for Statutory Survey of Sea-Going Ships Engaged in International Voyages (2014).
- ③ Chapter 8, Part Four of China MSA Regulation for Statutory Survey of Ships and Offshore Installations-Regulation for Statutory Survey of Sea-Going Ships Engaged in Domestic Voyages (2011).
- ④ IEC 60945:2002/COR1:2008 Maritime Navigation and Radiocommunication Equipment and Systems-General Requirements-Methods of Testing and Required Test Results.

功能描述

Function description

- ① 在面板上“模式”按键选择工作模式，对应指示灯亮，先选择“自动”模式，然后可以通过“时间”按键选择工作周期:60S、90S、120S；选择时间后可以选择信号类型：一长鸣、一长一短鸣、一长二短鸣、一长三短鸣、一短一长一短鸣和二长鸣(一长鸣4-6秒、一短鸣约1秒、长短及两短间隔约1秒，两长间隔约2秒)，控制器将控制号笛周期性地发送信号，并有一副无源触点随自动节奏变化输出。若需停止，再次按下对应信号按键则可立即停止。
- ② 手动鸣笛：将开关转到手动档。按手动的节奏发送信号

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功能描述

Function description

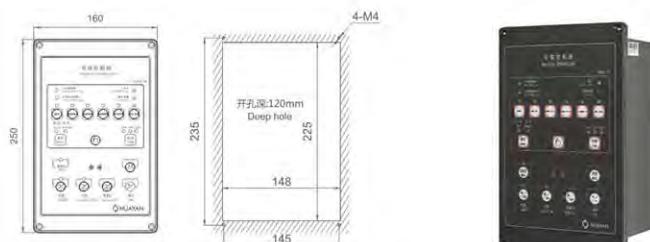
① Select working mode via the "Mode" button on panel and the corresponding indicator light will be ON and then select work period of 60S, 90S or 120S via "Time" button; and then select type of signal: one long whistle, one long whistle and one short whistle, one long whistle and two short whistles, one long whistle and three short whistles, one short and one long and one short whistle and two long whistles (one long whistle is for 4-6s, one short whistle is about 1s, the interval between the long and short whistle or between two short whistles is about 1s and the interval for the two long whistles is about 2s), the controller sends signals for the control whistles periodically and a set of passive contact is output as the automatic rhythm changes. Press the corresponding signal button for immediate stop.

② Manual control: Change the switch to manual level ,send the signal by hand

DDQ-1A 号笛控制器 Whistle controller

产品说明 (Specification)

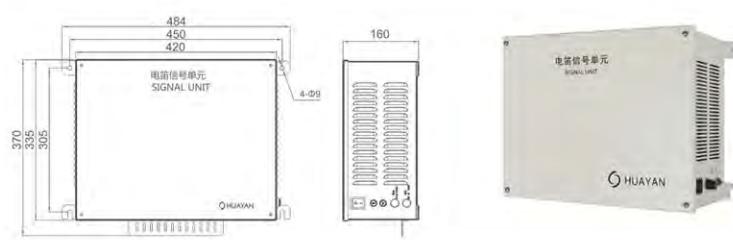
颜色 Colour : 亚光黑 Dull black
外壳材质 Shell material : ABS
供电电源 Power source : 2*AC220V±10% or AC220V±10%,DC24±10%
功耗 Power consumption : 300W



DDX-1 电笛信号单元 Electric whistle signal unit

产品说明 (Specification)

颜色 Colour : RAL7035
外壳材质 Shell material : Q235B
供电电源 Power supply : AC220V±10%,DC24±10%
功率 Power : 100W/200W
功耗 Power consumption : 250W/500W



YHC100 YHC200 船用号笛 Marine whistle

产品说明 (Specification)

颜色 Colour : 白色 White
外壳材质 Shell material : SMC
填料函 Cable gland : PG9
定压输入 Steady voltage input : 120V
功率及声压级 Power and sound level : 100W≥120dB,200W≥130dB

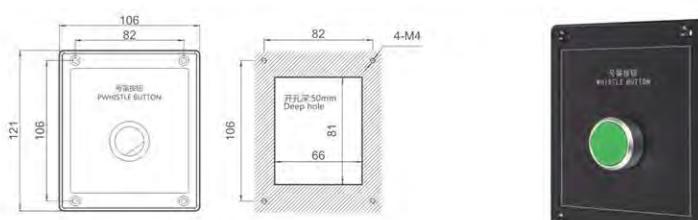
YHC100型号号笛声响等级≥120dB适用于长度小于20米的船舶
YHC200型号号笛声响等级≥130dB适用于长度20米或20米以上，但小于75米的船舶
YHC100 whistle sound level ≥ 120dB is suitable for ships less than 20m
YHC200 whistle sound level ≥ 130dB is suitable for ships with a length of 20 meters or more but less than 75 meters



HDQ-AN 号笛按钮 Whistle button

产品说明 (Specification)

颜色 Colour : 亚光黑 Dull black
外壳材质 Shell material : ABS
手动报警按钮,通过按手动按键频率
控制雾笛发出相应的信号
Manual alarm button's push frequency to control the relevant signal from the fog horn



HDG-AN 壁挂式号笛按钮 Whistle button

产品说明 (Specification)

颜色 Colour : 亚光黑 Dull black

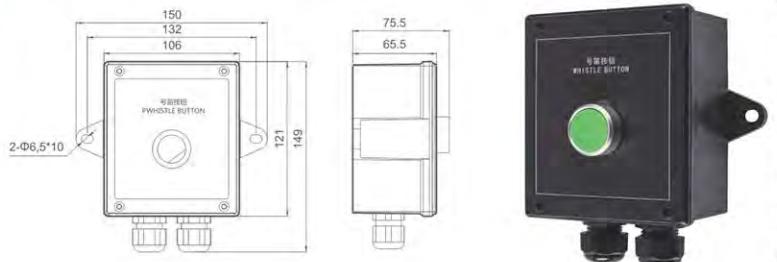
外壳材质 Shell material : ABS

填料函 Cable gland : 2-PG16

手动报警按钮,通过按动手动按键频率控制

雾笛发出相应的信号

Manual alarm button's push frequency to control the relevant signal from the fog horn



HDG-AN 防水号笛按钮 Whistle button

产品说明 (Specification)

颜色 Colour : 亚光黑 Dull black

外壳材质 Shell material : ABS

填料函 Cable gland : 2-PG16

手动报警按钮,通过按动手动按键频率控制

雾笛发出相应的信号

Manual alarm button's push frequency to control the relevant signal from the fog horn



YHC电子号笛控制系统示意图 YHC Electric horn control system schematic diagram



HDQ-AN HDG-AN号笛按钮
Whistle button

来自通用报警系统
From general alarm system

DC24V →
AC220V →



DDQ-1A号笛控制器
Whistle controller



YHC100船用号笛
Marine whistle



DDX-1电笛信号单元
Electric whistle signal unit



CHAPTER 21

YD

有线对讲系统 Marine talk-back system

系统组成

System composition

序号 No.	名称 Name & Specification	型号 Type	重量 Weight	防护等级 IP Rating
1.	有线对讲主机(嵌入式) Talk-back main unit(Flush type)	YDQ-1Z	6.2kg	IP20
2.	有线对讲主机(壁挂式) Talk-back main unit(Wall mounted)	YDG-1Z	6.2kg	IP44
3.	有线对讲分机(壁挂式) Talk-back extension(Wall mounted)	YDG-1F	1.4kg	IP44
4.	有线对讲分机(抗噪音) Talk-back extension(Anti-noise)	YDT-1F	1.2kg	IP44
5.	有线对讲分机(嵌入式) Talk-back extension(Flush type)	YDQ-1F	0.8kg	IP20
6.	有线对讲分机(防风雨) Talk-back extension(Weather proof)	YDF-1F	9.1kg	IP56
7.	号筒扬声器SW Horn type loudspeaker	YHC5-1	1.8kg	IP56

采用标准

Adopt standard

- ① 中国船级社《钢质海船入级规范》(2018)及其修改通报第4篇, 第2章
- ② 国际海事组织A.1021 (26)决议, 《2009警报器和指示器规则》
- ① Part4, Chapter2 of CCS"Rules for Classification of Sea-going Steel Ships"(2018)and its Amendments.
- ② IMO Resolution A.1021(26), CODE ON ALERTS AND INDICATORS, 2009

功能描述

Function description

- ① 供船舶安全管理相关人员呼叫、对讲；
- ② 主机具有呼叫声光指示；
- ③ 主机具有通播功能。
- ① For marine security management person for shouting and talk-back ;
- ② The main unit has call acousto-optic indicating ;
- ③ The main unit has broadcast function.

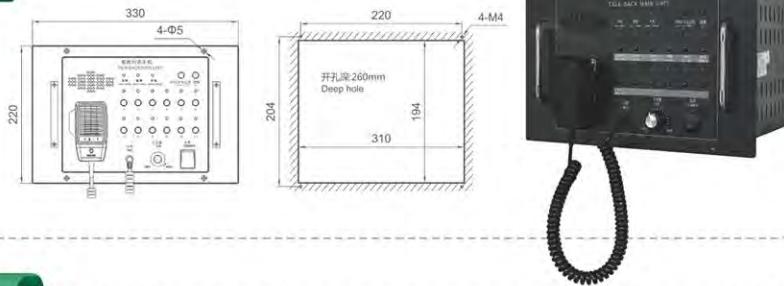
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YDQ-1Z 有线对讲主机(嵌入式) Talk-back main unit(Flush type)

产品说明 (Specification)

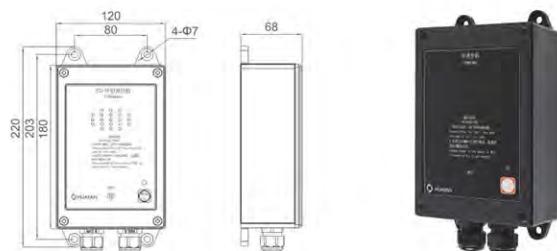
容 量 Capacity : 12门
 颜 色 Colour : 亚光黑 Dull black
 外壳材质 Shell material : Q235B
 供电电源 power supply : AC220V±10% , DC24V±10%
 功 耗 Power consumption : 120W
 报警声压级 Alarm sound pressure level : 75~95dB



YDG-1F 壁挂式有线对讲分机 Talk-back extension (Wall mounted)

产品说明 (Specification)

颜 色 Colour : 亚光黑 Dull black
 外壳材质 Shell material : ABS
 填 料 函 Cable gland : 2-PG16
 报警声压级 Alarm sound pressure level : 75dB~95dB
 按下呼叫按钮呼叫主机，同时相应指示灯亮
 Press the call button to call the main unit, and the corresponding indicator lights up
 可以外接5W号筒扬声器
 Can connected with YHC5-1 Horn speaker



YDT-1F 头戴式有线对讲分机 Talk-back extension(Headset)

产品说明 (Specification)

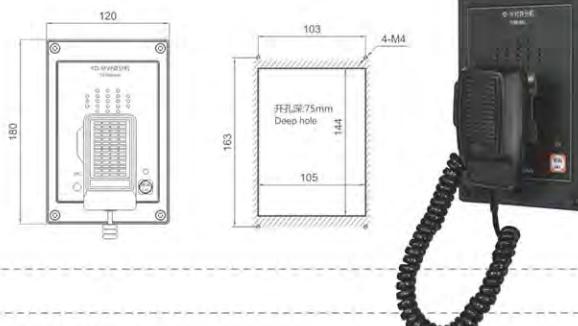
颜 色 Colour : 亚光黑 Dull black
 外壳材质 Shell material : ABS
 填 料 函 Cable gland : 2-PG16
 报警声压级 Alarm sound pressure level : 75dB~95dB
 按下呼叫按钮呼叫主机，同时相应指示灯亮
 Press the call button to call the main unit, and the corresponding indicator lights up
 可以外接5W号筒扬声器
 Can connected with YHC5-1 Horn speaker



YDQ-1F 嵌入式有线对讲分机 Talk-back extension(Flush type)

产品说明 (Specification)

颜 色 Colour : 亚光黑 Dull black
 外壳材质 Shell material : ABS
 报警声压级 Alarm sound pressure level : 75dB~95dB
 按下呼叫按钮呼叫主机，同时相应指示灯亮
 Press the call button to call the main unit, and the corresponding indicator lights up
 可以外接5W号筒扬声器
 Can connected with YHC5-1 Horn speaker

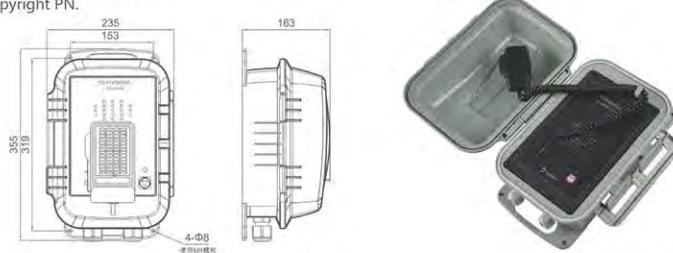


YDF-1F 防风雨有线对讲分机 Talk-back extension(Weather proof)

外观专利号 : ZL 2017 30269129.7
 Outline copyright PN.

产品说明 (Specification)

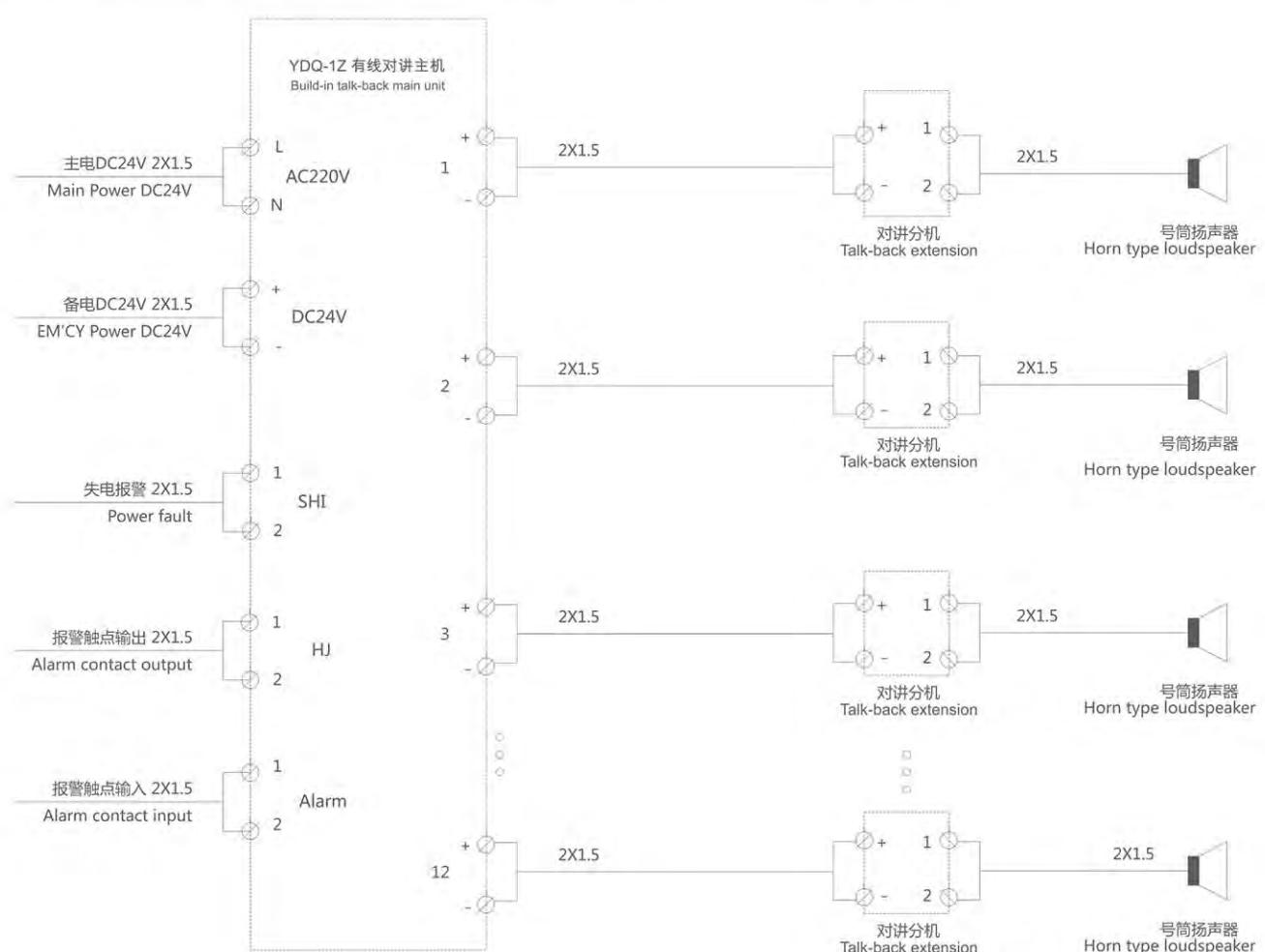
颜 色 Colour : 中绿 Bg01 Mid. glaucous
 外壳材质 Shell material : ABS
 可选Q235B、不锈钢材质 Option(Q235B/SUS)
 填 料 函 Cable gland : 2-PG16
 报警声压级 Alarm sound pressure level : 75dB~95dB
 按下呼叫按钮呼叫主机，同时相应指示灯亮
 Press the call button to call the main unit, and the corresponding indicator lights up
 可以外接5W号筒扬声器
 Can connected with YHC5-1 Horn speaker



YD系列有线对讲系统示意图 Schematic diagram of YD series wired intercom system



YD系列有线对讲系统接线示意图 YD Series talk-back system wiring schematic diagram





CHAPTER 22

YD

选通对讲系统 Selective talk-back system

系统组成

System composition

序号 No.	名称 Name & Specification	型号 Type	重量 Weight	防护等级 IP Rating
1.	选通对讲系统主机 Selective talk-back main unit	YDQ-2Z	6.2kg	IP20
2.	选通对讲系统分机 Selective talk-back extension	YDQ-2F	6.5kg	IP20
3.	选通对讲系统分机 Selective talk-back extension	YDG-2F	6.9kg	IP44

采用标准

Adopt standard

- ① 中国船级社《钢质海船入级规范》(2018)及其修改通报第4篇，第2章
- ② 国际海事组织A.1021 (26)决议，《2009警报器和指示器规则》
- ① Part4,Chapter2 of CCS“Rules for Classification of Sea-going Steel Ships”(2018)and its Amendments.
- ② IMO Resolution A.1021(26), CODE ON ALERTS AND INDICATORS, 2009

功能描述

Function description

- ① 供船舶安全管理相关人员呼叫、对讲；
- ② 系统主机与分机、分机与分机均可呼叫对讲，
呼叫具有声光指示；
- ③ 系统主机具有一对一、一对多以及通播功能。

- ① For marine security management person for shouting and talk-back ;
- ② The system main unit and the extension, extension and extension can call intercom, call with acousto-optic indication ;
- ③ The system main unit can be one to one, one to many as well as the all calls function.

YDQ-2Z 选通对讲系统主机 Selective talk-back main unit

产品说明 (Specification)

容 量 Capacity : 16 USERS
颜 色 Colour : 亚光黑 Dull black
外 壳 材 质 Shell material : Q235B
供 电 电 源 Power supply : AC220V±10%
DC24V±10%
功 率 Power : 200W
功 耗 Power consumption : 500W
声 级 Soundlevel : ≥75dB



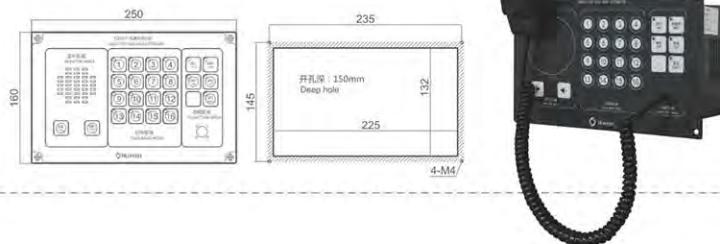
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YDQ-2F 选通对讲系统分机 Selective talk-back extension

产品说明 (Specification)

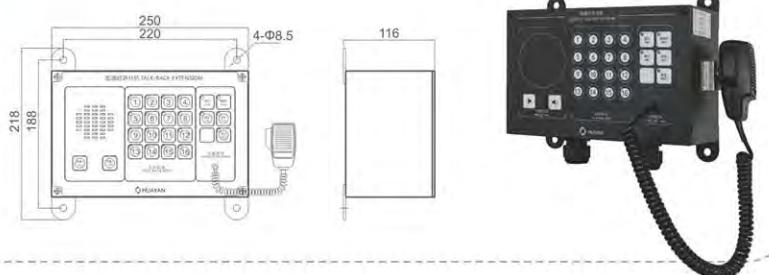
容 量 Capacity : 16 USERS
 颜 色 Colour : 亚光黑 Dull black
 外壳材质 Shell material : Q235B
 供电电源 Power supply : DC24V±10%
 声 级 Soundlevel : ≥75dB



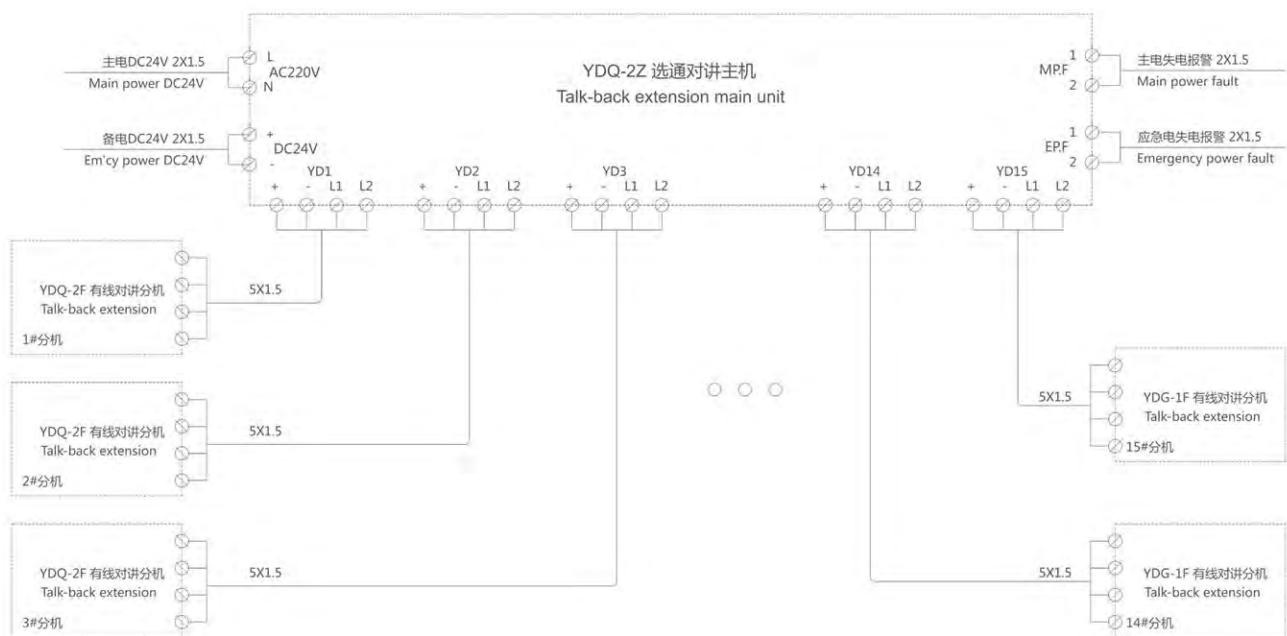
YDG-2F 选通对讲系统分机 Selective talk-back extension

产品说明 (Specification)

容 量 Capacity : 16 USERS
 颜 色 Colour : 亚光黑 Dull black
 外壳材质 Shell material : Q235B
 供电电源 Power supply : DC24V±10%
 填 料 函 Cable gland : 2-PG21
 声 级 Soundlevel : ≥75dB



YDG-2F选通对讲系统接线示意图 Selective talk-back system wiring drawing





CHAPTER 23

HSJ 视觉信息显示系统

Visual information display system

系统组成

System composition

序号 No.	名称 Name & Specification	型号 Type	重量 Weight	防护等级 IP Rating
1.	信息显示控制器 Visual information display controller	HSJ-KZ-Q	0.9kg	IP20
2.	信息显示器 Information display monitor	HWS-1	4.3kg	IP20
3.	温湿度传感器 Temperature and humidity sensors	HWSC-1	0.2kg	IP20

功能描述

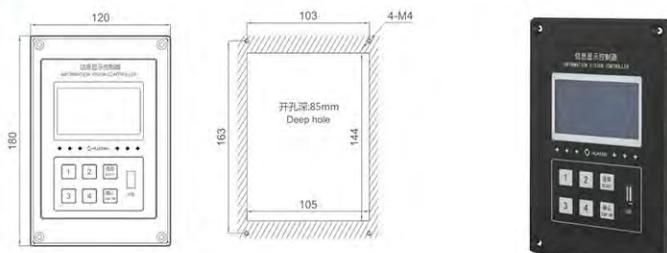
Function description

- ① 按“1”键，再按“确认”键，显示第一组信息：“欢迎光临”；
 - ② 按“2”键，再按“确认”键，显示第二组信息：“紧急疏散”；
 - ③ 按“3”键，再按“确认”键，显示第三组信息：“船将离靠请坐好！”；
 - ④ 按“4”键，再按“确认”键，显示第四组信息：“风浪大请坐好扶稳”；
 - ⑤ 不按数字键，直接按“确认”键，显示第五组信息：“热烈欢迎上级领导莅临指导！”；
 - ⑥ 主机自带USB接口，显示内容根据客户自定义。
- ① When press button of 1 and confirm , display "welcome when press the button "1""
 - ② When press button of 2 and confirm , display "Emergency evacuation"
 - ③ When press button of 3 and confirm , display "The ship will leave or berth, please sit down and steady"
 - ④ When press button of 4 and confirm , display "The wind and wave is strong, please sit and steady"
 - ⑤ When press button of confirm , display "Warmly welcome the leadership to guide"
 - ⑥ The main unit has a USB interface, and the display content is customized by the customer.

HSJ-KZ-Q 信息显示控制器 Visual information display controller

产品说明 (Specification)

颜色 Colour : 亚光黑 Dull black
外壳材质 Shell material : ABS
供电电源 Power supply : DC24V±10%
功 率 Power : 50W
功 耗 Power consumption : 150W



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HWS-1 信息显示器 Information display monitor

产品说明 (Specification)

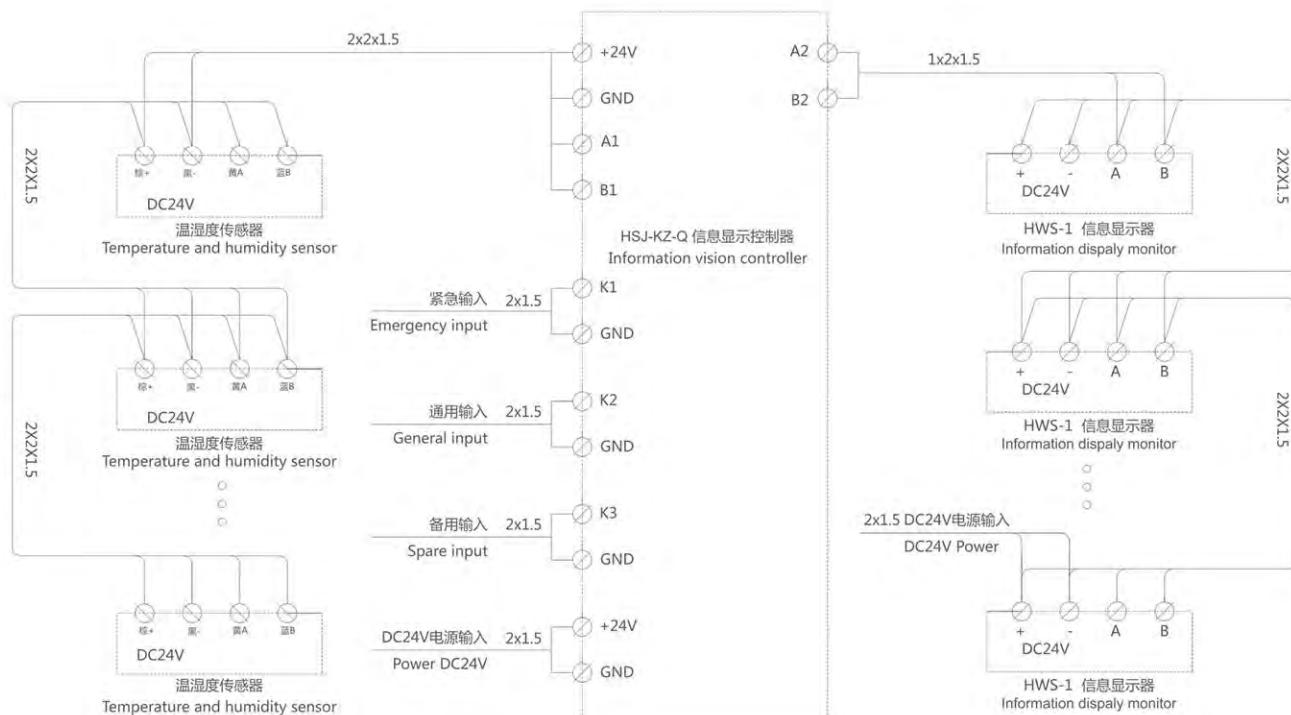
颜色 Colour : 亚光黑 Dull black
外壳材质 Shell material : Q235B
供电电源 Power supply : DC24V±10%



信息显示系统示意图 Schematic diagram of information display system



信息显示系统接线示意图 Information vision system wiring drawing



CHAPTER 24

HSM 水密门指示系统 Watertight door indication system



系统组成

System composition

序号 No.	名称 Name & Specification	型号 Type	重量 Weight	防护等级 IP Rating
1.	水密门指示板 Watertight door indicator plate	HSM-8Q	0.7kg	IP22
2.	水密门指示板 Watertight door indicator plate	HSM-16Q	0.76kg	IP22
3.	水密门指示板 Watertight door indicator plate	HSM-32Q	1.6kg	IP22
4.	水密门指示板 Watertight door indicator plate	HSM-8G	1.2kg	IP44
5.	水密门指示板 Watertight door indicator plate	HSM-16G	1.26kg	IP44
6.	水密门指示板 Watertight door indicator plate	HSM-32G	2.2kg	IP44
7.	水密门继电器箱 Relay box for watertight door	HSMX-16G	7.7kg	IP44
8.	水密门继电器箱 Relay box for watertight door	HSMX-32G	12.3kg	IP44
9.	水密行程开关 Watertight limited switch	LX918	0.45kg	IP56
10.	防爆行程开关 Explosion-proof limited switch	DZX85-Z	0.5kg	IP54
11.	安全接近磁开关 Safely accessible magnetic switch	XCS DMP5012	0.2kg	IP67
12.	水密门信号指示灯 Signal indicator light for watertight door	SG-7B/QT	0.6kg	IP56
13.	船用接线盒 Marine Junction box	JXS202	0.35kg	IP56
14.	船用接线盒 Marine Junction box	JXS302	0.9kg	IP56

采用标准

Adopt standard

- ① 中国船级社《钢质海船入级规范》(2018)及其修改通报第4篇，第2章
- ② 国际海事组织(IMO) A.1021 (26)决议《2009警报器和指示器规则》
- ③ Chapter2, Part 4 of CCS Rules for the Classification of Sea-going Steel Ships 2018 and its Amendments.
- ④ IMO Resolution A. 1021(26) CODE ON ALERTS AND INDICATORS,2009

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功能描述

Function description

- ① 该系统是用于检测、显示船舶水密门及小舱盖开闭状态的装置。根据船舶图纸制作模拟板，显示门数根据船舶需要而定。门开启时指示红灯，门关闭时指示绿灯；
 ② 水密门显示板设有电源指示、失电声光报警、电源故障触点输出、VDR输出，通讯协议为 NMEA 0183；
 ③ 面板上设有“测试”、“消音”和“调光”按键。
 ① The system is used for detection, display device of ship watertight doors and small hatch opening and closing state. According to the ship's drawing board, the number of gates is determined according to the requirements of the ship. When the door is open, the light is red, and the door is closed when the light is green.
 ② Watertight door display panel have power indicator, power failure alarm, power failure contact output, VDR output .The communication protocol is NMEA0183.
 ③ There is "test"、"mute" and "dimmer" button on the watertight door display panel.

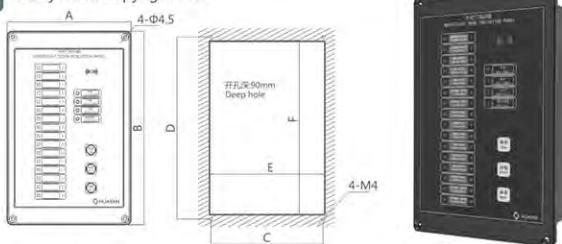
HSM-8Q HSM-16Q HSM-32Q 水密门指示板 Watertight door indicator plate

产品说明 (Specification)

颜色 Colour : 亚光黑 Dull black
 外壳材质 Shell material : Q235B
 供电电源 Power supply : AC220V±10%,DC24V±10%

序号 NO	型号 Type	尺寸(A/B/C/D/E)mm Size
1	HSM-8Q	160/250/145/235/149/224
2	HSM-16Q	160/250/145/235/149/224
3	HSM-32Q	215/250/195/235/187/226

实用新型专利号 : ZL 2016 2 0678870.9
 Utility mode copyright PN.



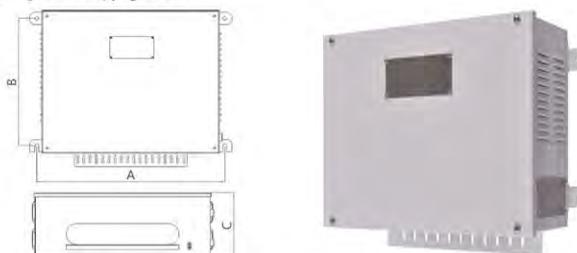
HSMX-8G HSMX-16G HSMX-32G 水密门继电器箱 Relay box for watertight door indication

产品说明 (Specification)

颜色 Colour : RAL7035
 外壳材质 Shell material : Q235B
 供电电源 Power supply : AC220V±10%,DC24V±10%

序号 NO	型号 Type	尺寸(A/B/C)mm Size	功率W Power output	功耗W Power consumption
1	HSMX-8G	352/190/122	50	75
2	HSMX-16G	450/305/160	50	75
3	HSMX-32G	720/500/158	100	150

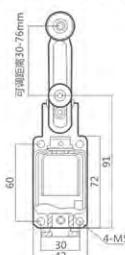
实用新型专利号 : ZL 2016 2 0678870.9
 Utility mode copyright PN.



LX918 水密行程开关 Limited switch for watertight door

产品说明 (Specification)

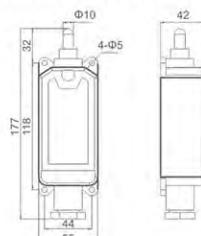
颜色 Colour : BLUE
 外壳材质 Shell material : Aluminum
 填料函 Cable gland : PG13.5



BZX85-Z 防爆行程开关 Explosion-proof limited switch

产品说明 (Specification)

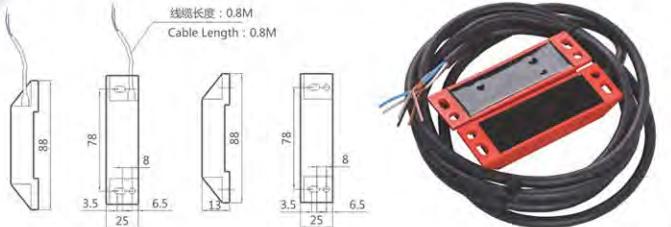
颜色 Colour : RAL7035
 外壳材质 Shell material : Aluminum
 填料函 Cable gland : PG13.5
 防爆等级 Explosion-proof : Exed II CT6



XCS DMP5012 安全接近磁开关 Safely accessible magnetic switch

产品说明 (Specification)

颜色 Colour : 红 Red
外壳材质 Shell material : ABS



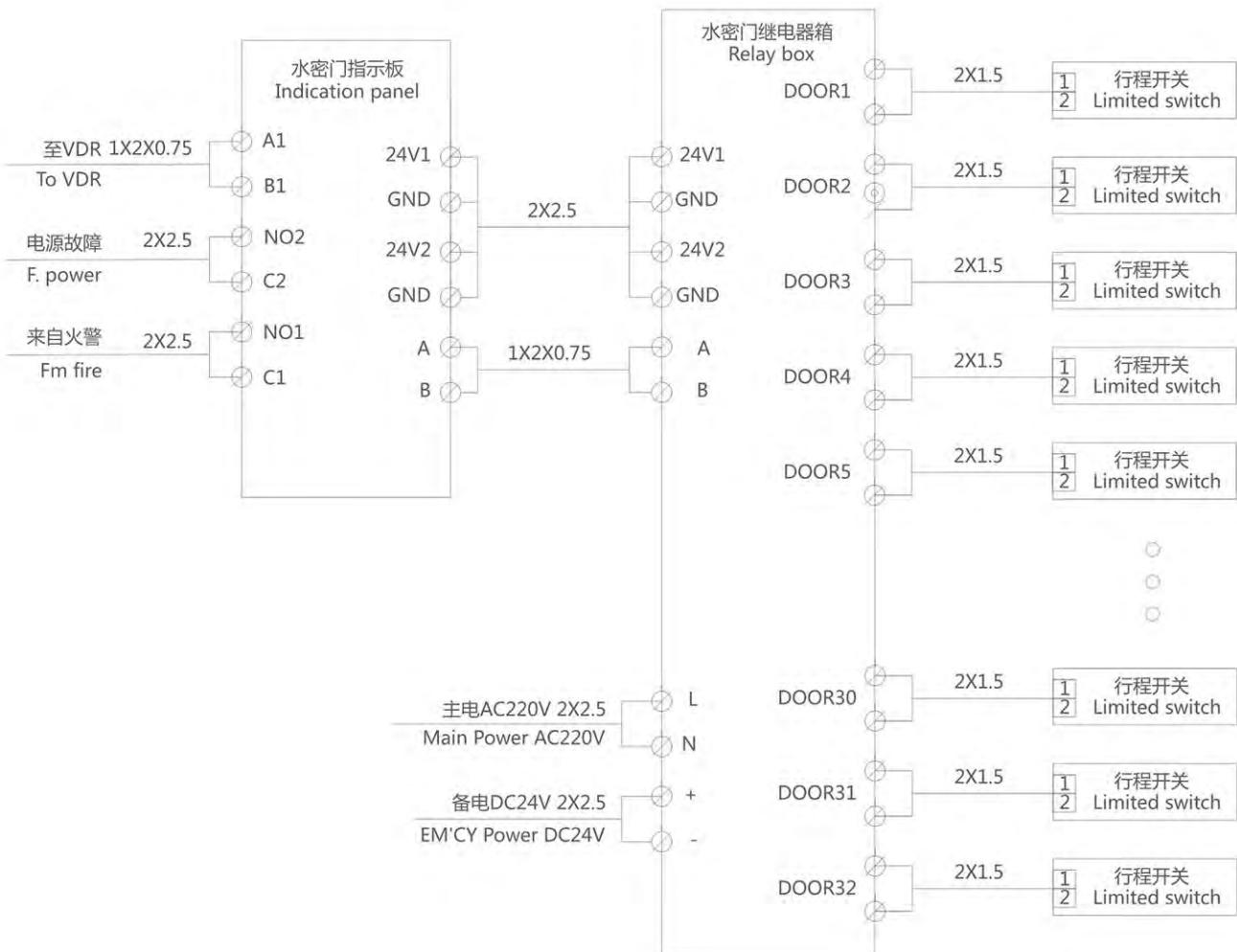
SG-7B/QT 水密门信号指示灯 Signal indicator light for watertight door

产品说明 (Specification)

颜色 Colour : 亚光黑 Dull black
外壳材质 Shell material : ABS
填料函 Cable gland : 2-PG16
供电电源 Power supply : DC24±10%
报警声压级 Alarm sound level : 85~95dB



水密门控制系统接线示意图 Watertight door control system wiring connection drawing





CHAPTER 25

FHM

防火门控制系统
Fire door control system

系统组成

System composition

序号 No.	名称 Name & Specification	型号 Type	重量 Weight	防护等级 IP Rating
1.	防火门指示板 Fire door control panel	HFM-16Q	0.7kg	IP22
2.	防火门指示板 Fire door control panel	HFM-32Q	1.6kg	IP22
3.	防火门指示板 Fire door control panel	HFM-64Q	3.2kg	IP22
4.	防火门指示板 Fire door control panel	HFM-16G	1.2kg	IP44
5.	防火门指示板 Fire door control panel	HFM-32G	2.3kg	IP44
6.	防火门指示板 Fire door control panel	HFM-64G	4.2kg	IP44
7.	防火门继电器箱 Fire door power box	HFMX-16G	7.7kg	IP22
8.	防火门电源箱 Fire door power box	HFMX-32G	12.3kg	IP22
9.	防火门电源箱 Fire door power box	HFMX-64G	21.2kg	IP22
10.	防火门电磁门吸 Fire door magnetic door stopper	CT-01	0.5kg	IP44
11.	行程开关 Limited switch	XZ-8-108	0.46kg	IP44
12.	释放按钮 Release button	HFM-SF-Q	0.3kg	IP22
13.	释放按钮 Release button	HFM-SF-G	0.45kg	IP44
14.	释放按钮 Release button	HFM-SF-GF	0.45kg	IP56

采用标准

Adopt standard

- ① 中国船级社《钢质海船入级规范》(2018)及其修改通报第4篇 , 第2章
- ② 国际海事组织 (IMO) A.1021 (26)决议《2009警报器和指示器规则》
- ① Chapter2, Part 4 of CCS Rules for the Classification of Sea-going Steel Ships 2018 and its Amendments.
- ② IMO Resolution A. 1021(26) CODE ON ALERTS AND INDICATORS,2009

功能描述

Function description

- ① 该系统是用于当火警发生时，自动切断防火门电磁门吸的电源及显示防火门开闭状态的装置；
- ② 防火门显示板设有电源指示、失电声光报警、电源故障触点输出、VDR输出，通讯协议为 NMEA 0183。
- ① The system for when fire alarm, automatically cut off the power of fireproof door electromagnetic door stopper and display fire door open or closed device;
- ② Fire door display panel have power indicator, power failure alarm, power failure contact output, VDR output , The default is the NMEA 0183 communication protocol.

返回目录

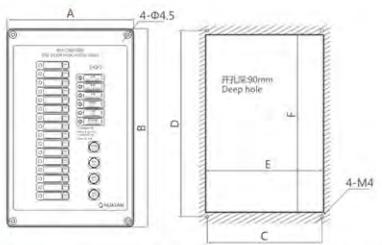
To contents

HFM-16Q HFM-32Q HFM-64Q 防火门指示板 Fire door control panel

产品说明 (Specification)

颜色 Colour : 亚光黑 Dull Black
外壳材质 Shell material : ABS
供电电源 Power supply : AC220V±10%,DC24V±10%

序号 NO	型号 Type	尺寸(A/B/C/D/E)mm Size
1	FHM-16Q	160/250/145/235/149/224
2	FHM-32Q	215/250/195/235/187/226

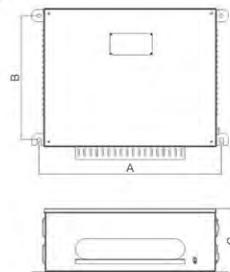


HFMX-16G HFMX-32G HFMX-64G 防火门电源箱 Fire door power box

产品说明 (Specification)

颜色 Colour : RAL7035
外壳材质 Shell material : Q235B
供电电源 Power supply : AC220V±10%,DC24V±10%
输出功率 Rated power Output : 200W
功耗 Power consumption : 250W

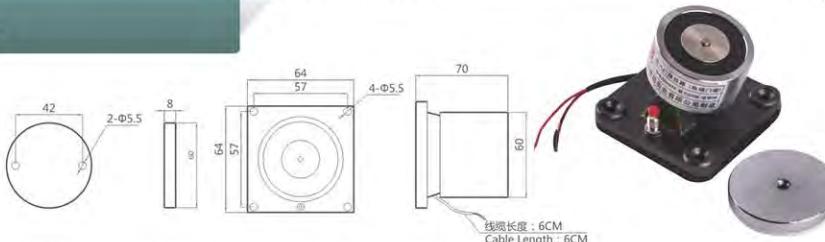
序号 NO	型号 Type	尺寸(A/B/C)mm Size	功率W Power output	功耗W Power consumption
1	FHMX-16G	450/305/160	50	75
2	FHMX-32G	720/500/158	100	150



CT-01 防火门电磁门吸 Fire door magnetic door stopper

产品说明 (Specification)

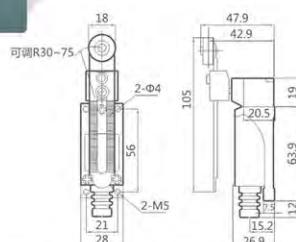
颜色 Colour : BLACK
外壳材质 Shell material : Q235B
供电电源 Power supply : DC24V±10%
输出功率 Rated power Output : 5W



XZ-8-108 行程开关 Limit switch

产品说明 (Specification)

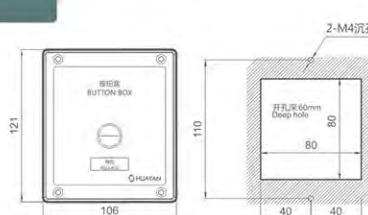
颜色 Colour : Black
外壳材质 Shell material : Q235B
触点容量 Contact rating : DC30V/1A



HFM-SF-Q 释放按钮盒 Release button

产品说明 (Specification)

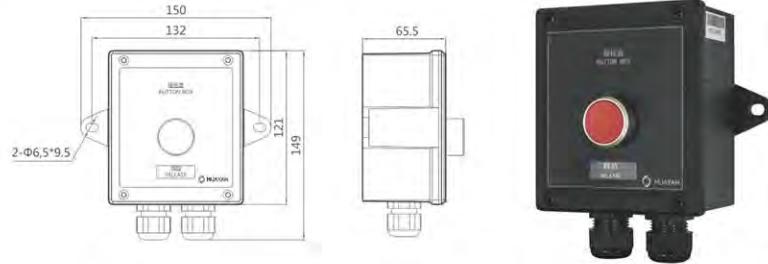
颜色 Colour : 亚光黑 Dull Black
外壳材质 Shell material : ABS



HFM-SF-G 释放按钮盒 Release button

产品说明 (Specification)

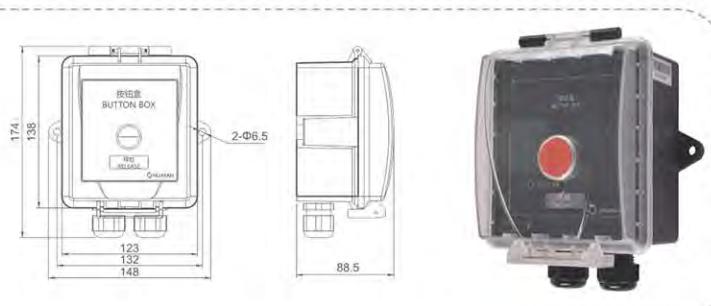
颜色 Colour : 亚光黑 Dull Black
外壳材质 Shell material : ABS
填料函 Cable gland : 2-PG16



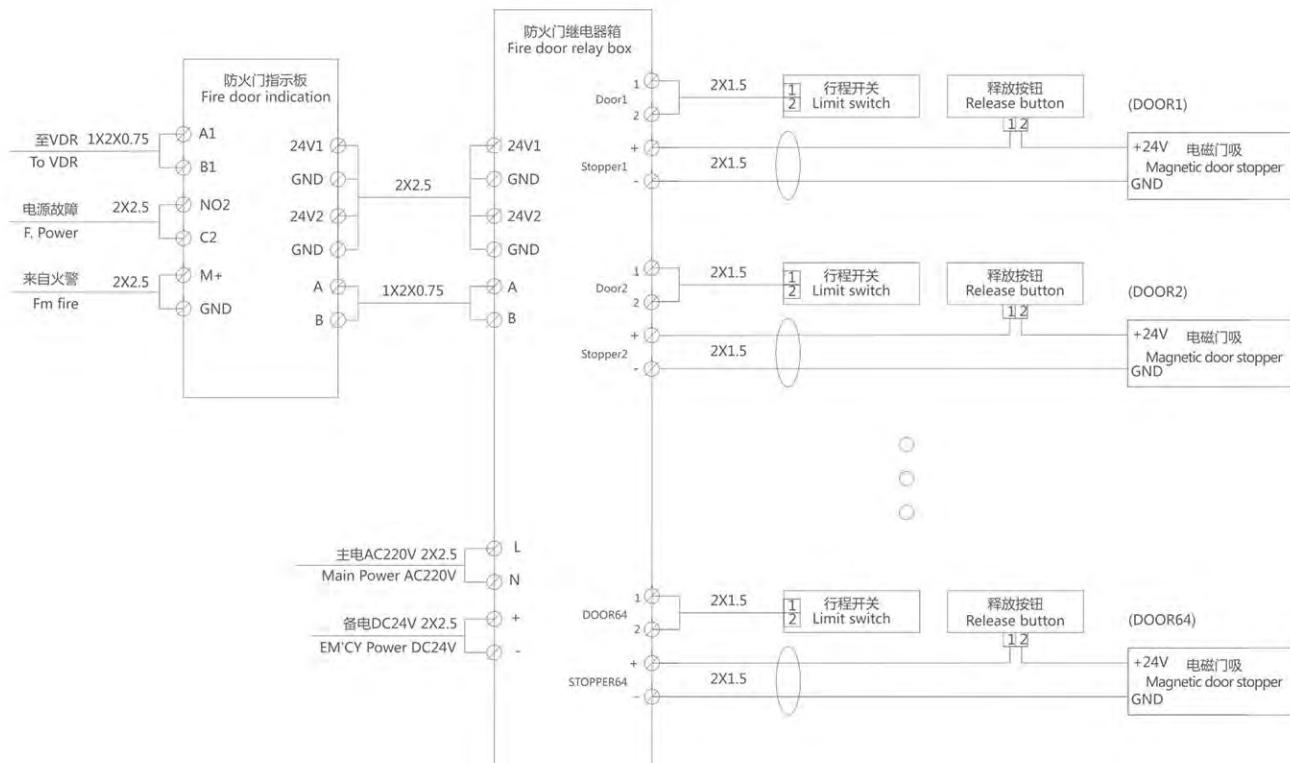
HFM-SF-G 防水释放按钮盒 Release button

产品说明 (Specification)

颜色 Colour : 亚光黑 Dull Black
外壳材质 Shell material : ABS
填料函 Cable gland : 2-PG16



防火门控制系统接线示意图 Fire proof door control system wiring schematic drawing



CHAPTER 26

BJ 机舱监测报警系统 E/R Monitoring alarm system



系统组成

System composition

序号 No.	名 称 Name & Specification	型 号 Type	重 量 Weight	防 护 等 级 IP Rating
1.	嵌入式监测报警控制器(16路) Flush type monitoring alarm controller (16 way)	BJ-16Q	2.2kg	IP20
2.	壁挂式监测报警控制器(16路) Wall mounted monitoring alarm controller (16 way)	BJ-16G	2.6kg	IP22
3.	嵌入式复示器(16路) Flush type monitoring alarm repeater (16 way)	BJF-16Q	1.6kg	IP20
4.	壁挂式复示器(16路) Wall mounted monitoring alarm repeater (16 way)	BJF-16G	1.9kg	IP22
5.	嵌入式监测报警控制器(32路) Flush type monitoring alarm controller (32 way)	BJ-32Q	2.8kg	IP20
6.	嵌入式监测报警控制器(32路) Flush type monitoring alarm controller (32 way)	BJ-32G	3.1kg	IP22
7.	嵌入式复示器(32路) Flush type monitoring alarm repeater (32 way)	BJF-32Q	2.0kg	IP20
8.	壁挂式复示器(32路) Wall mounted monitoring alarm repeater (32 way)	BJF-32G	2.3kg	IP22

采用标准

Adopt standard

- ① IEC60092-504:2001 《船舶电气设备第504部分:特辑--控制和仪器仪表》
- ② 国际海事组织A.1021 (26)决议 , 《2009警报器和指示器规则》。
- ① IEC60092-504 :2001 ship electrical equipment part 504: special edition—control and instrumentation
- ② IMO Resolution A.1021(26), CODE ON ALERTS AND INDICATORS, 2009.

功能描述

Function description

- ① 面板设有自检、复位、消音三个按键；
- ② 每一路设计有对应指示灯；
- ③ 输入报警信号开机可设置(常开或常闭触点);
- ④ 控制器设计有声和光报警信号。
- ⑤ 用于探测主机各种阈值开关量的报警控制器
- ⑥ 输出触点容：1A/24VDC,1A/120VAC
- ⑦ 报警输出接口：一组(有源和无源)，一组延时(有源和无源)
- ⑧ VDR接口：由主机输出RS485信号，符合NAME0183通信协议。
- ⑨ 带有复示器通信接口
- ① Panel has self-check, reset, and silence three keys.
- ② Each way design has corresponding indication light.
- ③ Input alarm signal for starting setting(normal open or normal close contact)
- ④ Controller has sound and light alarm signal.
- ⑤ It is a alarm control unit which detecting kinds of main engine's switch value
- ⑥ Output contact capacity : 1A/24VDC,1A/120VAC
- ⑦ Alarm output interface : One group immediate (active and passive) and one group delayed. (active and passive)
- ⑧ VDR interface : main unit output RS485 signal,meet NAME0183 communication agreement.
- ⑨ With repeater communication interface.

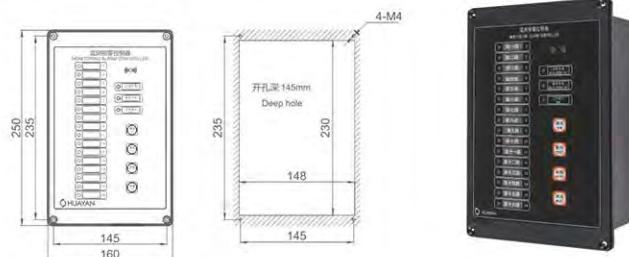
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BJ-16Q 监测报警控制器 Monitoring alarm controller

产品说明 (Specification)

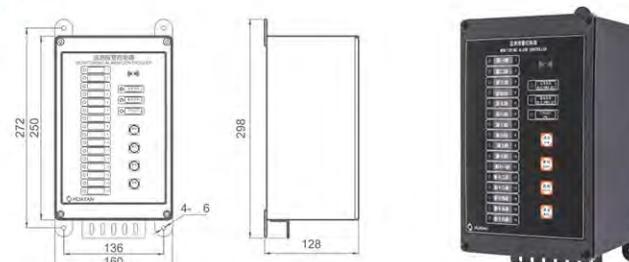
颜色 Colour : 亚光黑 Dull black
外壳材质 Shell material : ABS
供电电源 Power supply : AC220V±10% DC24V±10%
检测容量 Detect capacity : 16ways
功耗 Power consumption : 50W



BJ-16G 监测报警控制器 Monitoring alarm controller

产品说明 (Specification)

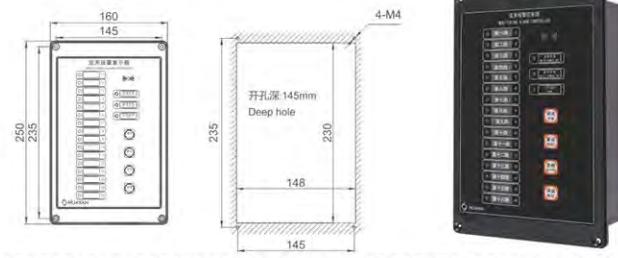
颜色 Colour : 亚光黑 Dull black
外壳材质 Shell material : ABS
供电电源 Power supply : AC220V±10% DC24V±10%
检测容量 Detect capacity : 16ways
功耗 Power consumption : 50W



BJF-16Q 复示器 Monitoring alarm repeater

产品说明 (Specification)

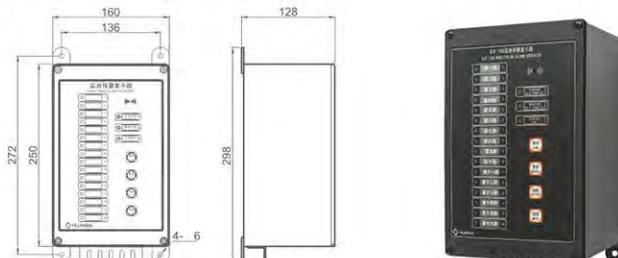
颜色 Colour : 亚光黑 Dull black
外壳材质 Shell material : ABS
检测容量 Detect capacity : 16ways



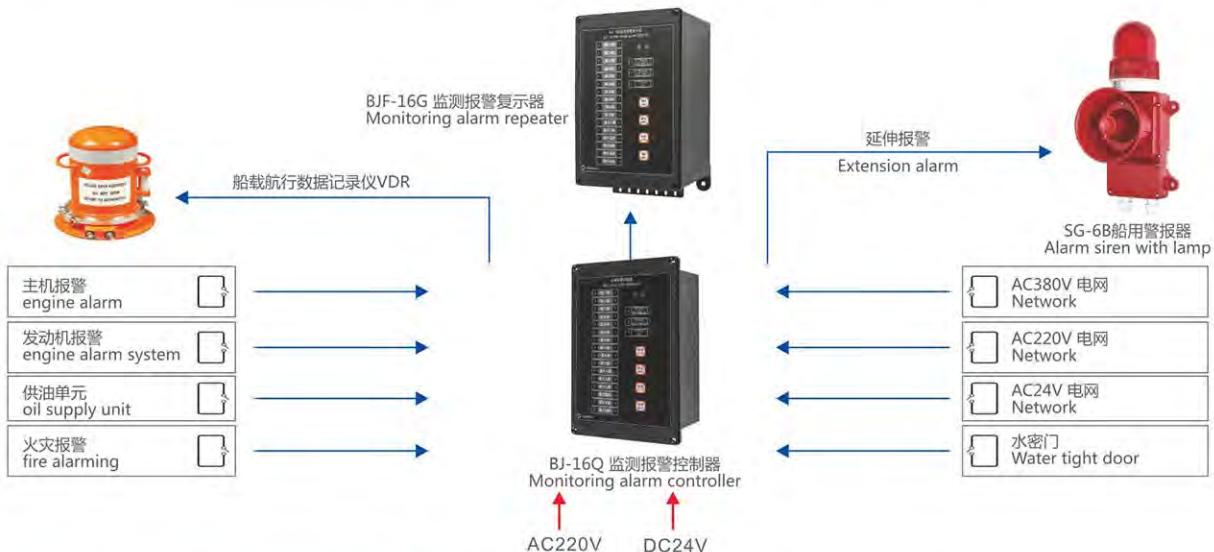
BJF-16G 复示器 Monitoring alarm repeater

产品说明 (Specification)

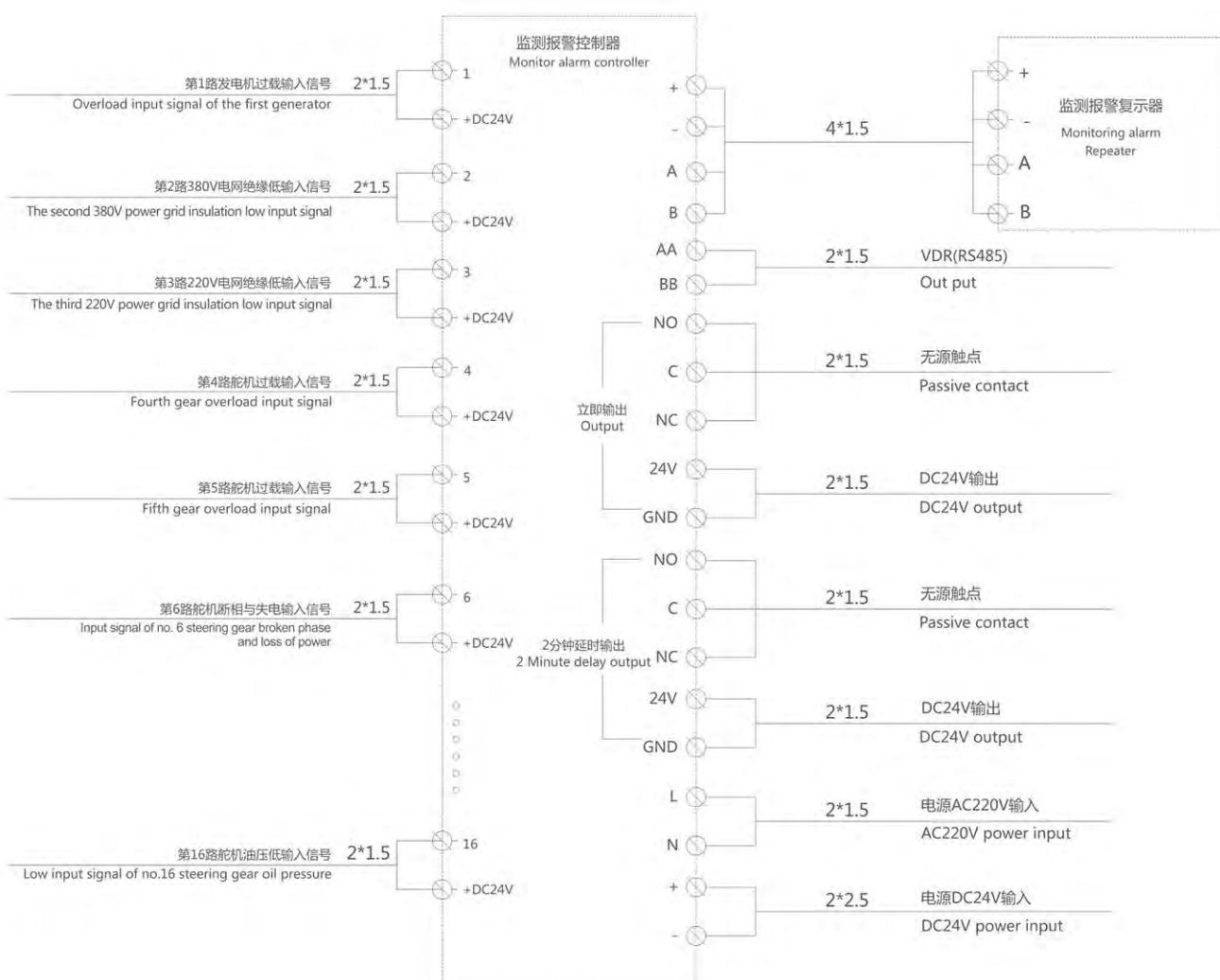
颜色 Colour : 亚光黑 Dull black
外壳材质 Shell material : ABS
检测容量 Detect capacity : 16ways



BJ系列机舱监测报警系统示意图 BJ Series E/R monitoring alarm System schematic Diagram



BJ机舱监测报警系统接线示意图 BJ Monitoring alarm system wiring schematic drawing



CHAPTER 27

HJ

呼叫报警系统 Call alarm system



系统组成

System composition

序号 No.	名称 Name & Specification	型号 Type	重量 Weight	防护等级 IP Rating
1.	嵌入式呼叫报警控制器 (16路) Flush type call alarm controller (16ways)	HJ-16Q	0.6kg	IP22
2.	壁挂式呼叫报警控制器 (16路) Wall mounted call alarm controller (16ways)	HJ-16G	0.8kg	IP44
3.	嵌入式呼叫报警复示器 (16路) Flush type call alarm repeater (16ways)	HJF-16Q	0.7kg	IP22
4.	壁挂式呼叫报警复示器 (16路) Wall mounted call alarm repeater (16ways)	HJF-16G	0.9kg	IP44
5.	嵌入式呼叫报警控制器 (32路) Flush type call alarm controller (32ways)	HJ-32Q	3.1kg	IP22
6.	壁挂式呼叫报警控制器 (32路) Wall mounted call alarm controller (32 ways)	HJ-32G	3.4kg	IP44
7.	嵌入式呼叫报警复示器 (32路) Flush type call alarm repeater (32 ways)	HJF-32Q	2.0kg	IP22
8.	壁挂式呼叫报警复示器 (32路) Wall mounted call alarm repeater (32 ways)	HJF-32G	2.3kg	IP44
9.	嵌入式呼叫器 Flush type call point	HJQ-AN	0.2kg	IP22
10.	壁挂式呼叫器 Wall mounted call point	HJG-AN	0.3kg	IP44
11.	壁挂式呼叫器 Wall mounted call point	HJG-AN	0.6kg	IP56

采用标准

Adopt standard

- ① 中国船级社《钢质海船入级规范》(2018) 及其修改通报第4篇第1章 ;
 - ② 国际海事组织A.1021 (26) 决议《2009警报器和指示器规则》。
- ① Part 4 Chapter 1 of CCS" Rules for Classification of Sea-going Steel Ships",2018 and its Amendments.;
 ② IMO Resolution A.1021(26) CODE ON ALERTS AND INDICATORS,2009.

功能描述

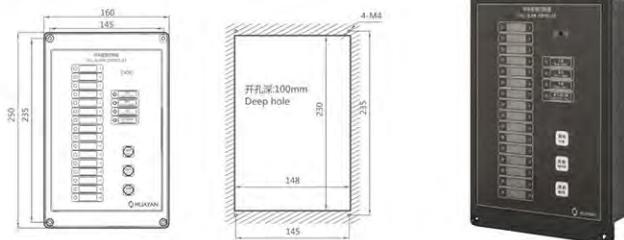
Function description

- ① 系统各个单元之间通过4芯线连接构成 ;
 - ② 具有电源故障检测与声光报警、自检、调光、消音、呼叫器地址读取与轮询、呼叫器呼叫报警、复示器显示、VDR通讯输出功能。
- ① Each unit of the system is connected with 4 cores;
 ② With power failure detection and audible and visual alarm, self-inspection, dimming, silencing, call point address reading and polling, call point call alarm, repeater display, VDR communication output functions.

HJ-16Q 嵌入式呼叫报警控制器 (16路) Flush type call alarm controller (16ways)

产品说明 (Specification)

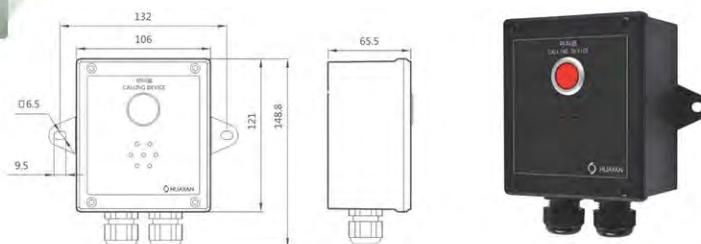
颜色 Colour : 亚光黑 Dull black
 外壳材质 Shell material : ABS
 供电电源 Power supply : AC220V±10%
 DC24V±10%
 有16路区域显示，每路可连接呼叫器
 There are 16 - way area display, each way can be connected to the caller



HJG-AN 壁挂式呼叫器 Wall mounted calling device

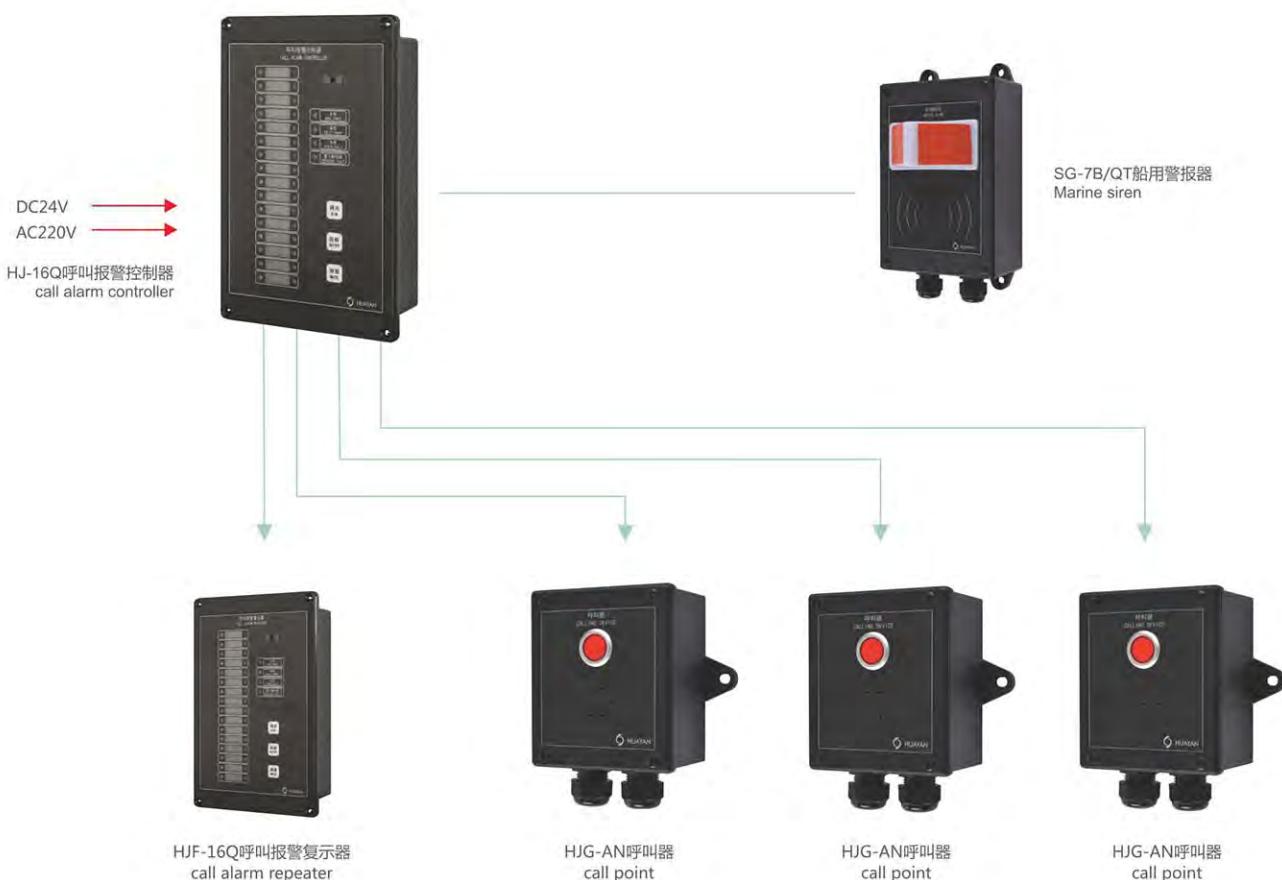
产品说明 (Specification)

颜色 Colour : 亚光黑 Dull black
 外壳材质 Shell material : ABS
 填料函 Cable gland : 2-PG16



呼叫报警控制系统示意图

Call alarm controller system schematic diagram





CHAPTER 28

ES 可燃气体控制系统 Combustible gas alarm system

ES2000 (sc) 气体报警控制器 Gas alarm controller

电气特性 Electrical

额定工作电压 Rated work voltage : 85-264VAC
额定功率 Rated power : 6.6W/1路 channel
额定工作电流 Rated work current : 0.03A/1路 channel
满载工作电流 (连接探测器) Full-loaded work current (connected with detector) : 0.09A/1路 channel
备电规格 Backup power : 24VDC 0.5A/1路 channel

基本功能 Basic function

显示方式 Display style : 段码液晶显示 segment code LCD display
报警段 Alarm segment : 高、低限报警 , 故障报警 A1,A2 alarm, fault alarm
报警方式 Alarm style : 声报警、LED光报警 audial alarm, LED visual alarm
每通道输出 Each channel output : 22VDC 131mA
输入信号 Input signal : 两线制或三线制4~20mA电流 2-wire or 3-wire 4~20mA
通信方式 Communication style :
RS485,地址、波特率可调address,baud rate adjustable
4~20mA模拟电流输出



继电器输出 Relay output : 继电器1 relay1 : 低警 low alarm
继电器2 Relay2 : 高警/低警/故障 (可设) high alarm/low alarm/fault alarm(optional)
继电器3 Relay3 : 故障/低警/高警 (可设) fault alarm/low alarm/high alarm(optional)
继电器输出触点容量 Relay output contact capacity : 1A,24VDC
继电器输出类型 Relay output style : 电平/脉冲输出 (可选) electrical level/impulse output(optional)

ES2000T 点型可燃气体探测器 Combustible gas detector

性能 Performance

检测气体 Gas detected:
可燃气体 详见《ES2000T (船用) 可测可燃气体列表》
Combustible gas in the ES2000T (marine) list of measurable combustible gas
检测原理 Detection principle : 催化燃烧式 the catalytic combustible gas
准确度 Accuracy : ±3%FS
响应时间 Response time : T90 < 20S (可燃气体Flammable gas)



电气特性 Electrical specification

供电电源 Power supply : 24VDC
(正常工作电压范围 Normal operating voltage range : 14-30VDC)
功耗 Power consumption : <2.0W
输出信号 Output signal : 三线制 Three-wire system 4~20mA

结构特性 Structural characteristics

主体材料 Main body material
304不锈钢 Stainless steel/316不锈钢 Stainless steel

认证 Approve

防爆认证 Ex certification : ExdIIAT3Gb
消防认证 Fire certification : CCCF
船级社认证 Classification society certification : CCS
计量认证 Metrological certification : CMC
执行标准 Executive standard : GB15322.1-2003,GB3836.1-2010 ,
GB3836.2-2010,GB3836.4-2010 , GD-01 2006

使用环境 Use of the environment

防护等级 Protection grade : IP65
温度范围 Temperature range : -40°C~70°C
湿度范围 Humidity range : 10~95% RH (无凝露)

ESP210 便携式可燃有毒气体探测器 Portable combustible toxic gas detector



性能 Performance

检测原理 Detection principle
催化燃烧式/电化学式 Catalytic combustion type/electric chemical formula
报警误差 A : $\pm 3\%FS$
响应时间 Response time : T90 < 20S
(可燃气体 Flammable gas)
报 警 Alarm : 声报警 Audible alarm > 75
LED光报警 LED light alarm

电气特性 Electrical specification

电源 Power :
1600mAh 可充电锂电池 , 连续使用时
间 > 8 小时 (常温下)
1600mAh lithium rechargeable battery,
continuous use time > 8 hours (room
temperature)

结构特性 Structural characteristics

主体材料 Main of main part
PC,TPE塑料
PC,TPE plastic
整机重量 Weight : 188g

认证 Approve

防爆认证 Ex certification : ExibIICT4Gb
消防认证 Fire certification : CCCF
执行标准 Executive standard : GB15322.3-2003,
GB3836.1-2010 , GB3836.4-2010

使用环境 Use of the environment

防护等级 Protection grade : IP65
温度范围 Temperature range : -40°C~70°C
湿度范围 Humidity range : 10~95% RH (无凝露)

可燃气体探测报警系统示意图 Combustible gas alarm system schematic diagram





CHAPTER 29

智能化综合显示控制系统 Intelligent integrated display control system

系统组成

System composition

序号 No.	名称 Name & Specification	型号 Type	重量 Weight	防护等级 IP Rating
1.	智能控制显示屏 Intelligent control display screen	HZL-XS-27Q	8.3kg	IP20
2.	智能控制单元 Intelligent control unit	HZL-KZ-G	2.6kg	IP22
3.	数据采集模块 Data acquisition module	HZL-MK-G	0.5kg	IP22

系统介绍

System introduction

智能化综合显示控制系统是集本公司多个系统于一体，实现远程显示与操控的实时调度系统。基于大屏触控以及计算机技术，可保证各个系统间相互独立、互不影响，具备各系统通讯故障自动监测与报警，同时可支持第三方系统集成。通过网络远程实现各系统部件故障诊断与维护。整个系统在智能船舶、一人桥楼领域中可发挥重要作用。

The intelligent integrated display control system is a real-time dispatching system that integrates multiple systems of our company to realize remote display and control. Based on large-screen touch and computer technology, each system can be independent. It has automatic monitoring and alarming of communication failures of various systems, and can support third-party system integration. Remote diagnosis and maintenance of various system components through the network. The entire system can play an important role in the field of intelligent ships and one-person bridges.

功能描述

Function description

状态实时显示 Real-time display of status

智能控制单元实时巡检各个子系统状态，并自动通过数据采集模块实时上传至智能控制显示屏，便于操作人员及时了解各子系统运行情况。

The intelligent control unit inspects the status of each subsystem in real time and automatically uploads it to the intelligent control screen through the data acquisition module in real time, so that the operators can timely understand the operation of each subsystem.

集中操控 Centralized control

在智能控制显示屏上可以操作各子系统，通过智能控制单元处理，可实现各子系统集中控制。

Each subsystem can be operated on the intelligent control screen and can be centralized controlled through intelligent control unit processing.

功能描述

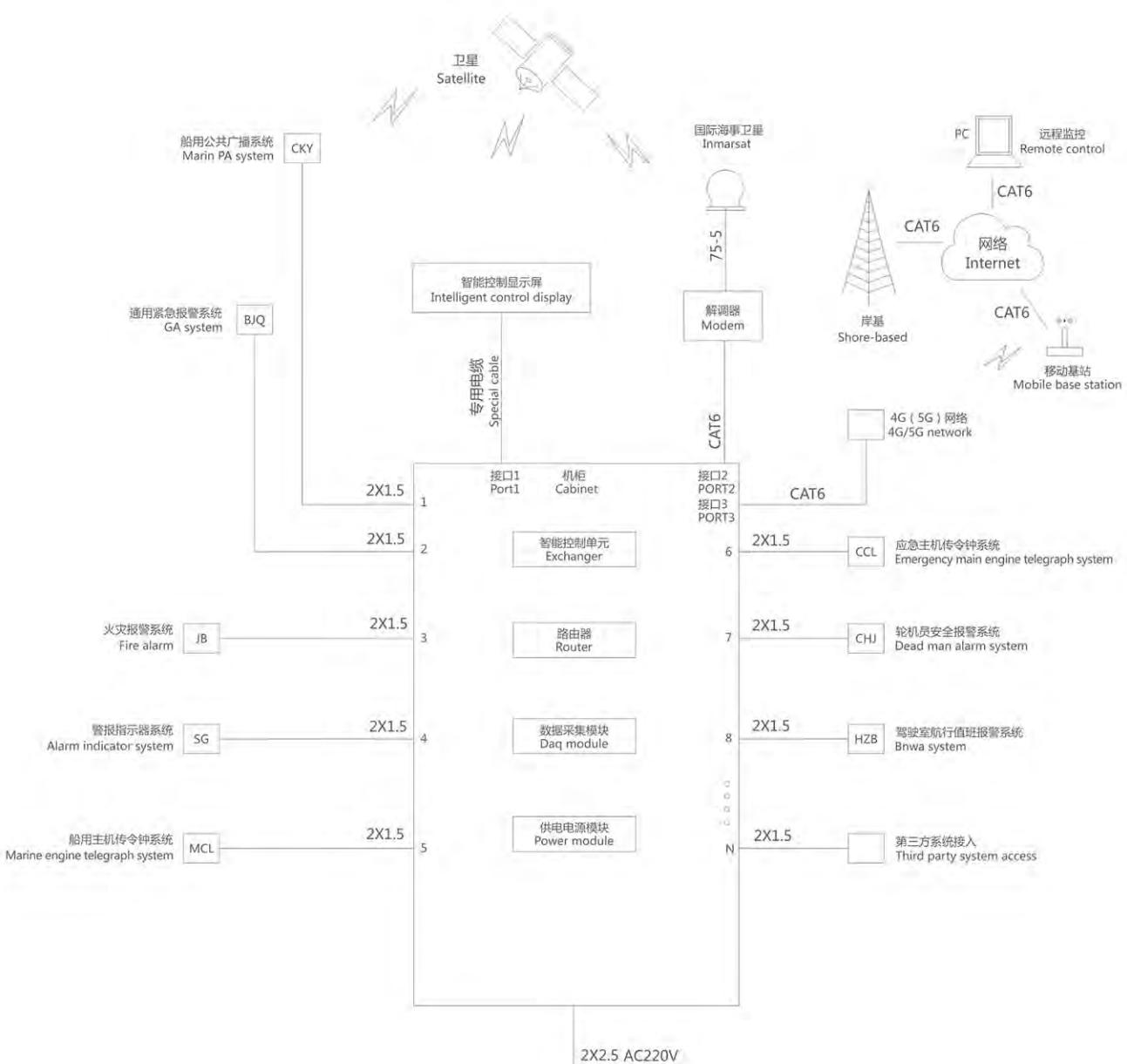
Function description

远程故障诊断与维护 Remote fault diagnosis and maintenance

智能化综合显示控制系统支持网络远程访问，一旦某一子系统出故障，可以远程进行排查与维护，降低各子系统维护成本。

Intelligent integrated display control system supports remote access to the network, once some of the subsystem failure can be remote inspection and maintenance, reduce the maintenance cost of each subsystem.

系统接线示意图 System wiring schematic diagram





CHAPTER 30

HTA 储藏室高温报警控制系统 Storeroom high temperature alarm system

系统组成

System composition

序号 No.	名称 Name & Specification	型号 Type	重量 Weight	防护等级 IP Rating
1.	储藏室高温报警控制器 Storeroom high temperature alarm unit	HTA-6	27kg	IP22
2.	隔爆热电阻 Explosion resistance	WZPX-24	1.8kg	IP56

采用标准

Adopt standard

- ① 中国船级社(CCS)《钢质海船入级规范》(2018)及其修改通报第4篇；
- ② 国际海事组织(IMO) A.1021 (26)决议《2009警报器和指示器规则》；
- ③ 客户技术规格书。
- ① Part 4 of CCS~"Rules for Classification of Sea-going Steel Ships~"(2018) and its Amendments;
- ② IMO Resolution A.1021(26) CODE ON ALERTS AND INDICATORS,2009;
- ③ Technical specification for the customer.

功能描述

Function description

储藏室高温报警控制系统是采用智能温度测量报警仪、集中检测控制电路与温度传感器组成监测各储藏室的温度，温度时时监测显示、具有储藏室风机启停操作、运行指示、传感器故障、高温预报警报、高温报警的声光报警及控制输出的综合报警系统，可外接复示器。

Store High Temperature Alarm System is to adopt intelligent temperature measuring alarming device, centralized control circuit and temperature sensor monitoring the storage temperature, temperature constantly monitor display, a storeroom fan stop operation, operation instructions, sensor failure, forecast alarm in high temperature and high temperature alarm of sound and light alarm and control output integrated alarm system, external repeater.

HTA储藏室高温报警控制系统示意图 Store high temperature alarm system schematic diagram





CHAPTER 31

HT 防盗报警控制系统 Burglar alarm control system

系统组成

System composition

序号 No.	名称 Name & Specification	型号 Type	重量 Weight	防护等级 IP Rating
1.	防盗报警控制器 Burglar alarm control unit	HT-110B	13.9kg	IP22
2.	防爆防腐控制箱 Explosion-proof and anti-corrosive control box	BFZ8059	1.1kg	IP54
3.	防爆行程开关 Explosion-proof limited switch	BZX51-6	0.4kg	IP65
4.	防爆光电开关 Explosion-proof photoelectric switch	BGD DC12V	0.3kg	IP56
5.	防盗报警板(壁挂式) Burglar alarm board (Wall mounted)	SG-6BA	0.5kg	IP44

采用标准

Adopt standard

- ① 中国船级社(CCS)《钢质海船入级规范》(2018)及其修改通报第4篇;
 ② 国际海事组织(IMO) A.1021 (26)决议《2009警报器和指示器规则》;
 ③ 客户技术规格书。
- ① Part 4 of CCS~"Rules for Classification of Sea-going Steel Ships~"(2018)and its Amendments;
 ② IMO Resolution A.1021(26) CODE ON ALERTS AND INDICATORS,2009;
 ③ Technical specification for the customer.

功能描述

Function description

防盗报警控制系统采用防盗报警控制器与防爆光电开关、防爆操作柱(钥匙开关)、防爆行程开关组成，当被监视舱室有入侵者时，防盗报警控制器发出声光报警，并指示区域号，可外接复示器。

Burglar Alarm Control System is composed of anti-theft alarm controller, anti-theft photoelectric switch, explosion-proof operation column (key switch) and explosion-proof travel switch. When there are intruders in the monitored cabin, the anti-theft alarm controller gives an audible and visual alarm and indicates the area number, which can be connected to the repeater.

HT-110B防盗报警控制系统示意图 Burglar alarm control system schematic diagram





CHAPTER 32

HGWT系列 广播电视天线系统

Radio&TV antenna system

系统组成

System composition

序号 No.	名称 Name & Specification	型号 Type	重量 Weight	防护等级 IP Rating
1.	全向广播电视共用天线 Omnidirectional TV& radio antenna	HGWT-2000	3.7kg	IP56
2.	广播电视信号处理器 Broadcast TV signal processor	HGWT	3.9kg	IP22
3.	二分配器 2 Signal distributor	DXP2W	0.03kg	IP22
4.	四分配器 4 Signal distributor	DXP4W	0.03kg	IP22
5.	二分支器 2 Branch splitter	DXZ2W	0.03kg	IP22
6.	三分支器 3 Branch splitter	DXZ3W	0.03kg	IP22
7.	四分支器 4 Branch splitter	DXZ4W	0.03kg	IP22
8.	用户盒(单孔) TV Terminal box	DXTV	0.07kg	IP20
9.	用户盒(双孔) Radio&TV terminal box	DXTV-R	0.07kg	IP20
10.	75欧姆负载电阻 75OHM Resistance	DXR	-	-

功能描述

Function description

广播电视天线在船上接收当地地面数字电视信号

The radio TV antenna receive local terrestrial digital TV signals on the ship

主要技术指标

Main technical parameter

电视接收频率 TV signal receive range : 48-895MHz

广播信号 Radio signal : AM:0.3-20MHz FM:85-108MHz

广播天线增益 Radio antenna gain : 20dB

电视天线增益 TV antenna gain : 16dB

接收方向 Receive direction : 水平面内天线呈全方向性 (全向性不均度≤4)

Antenna works with omnidirection state on the horizontal space.

标称阻抗 Nominal impedance : 75Ω

输出电压 : DC1-12V (可调adjustable)

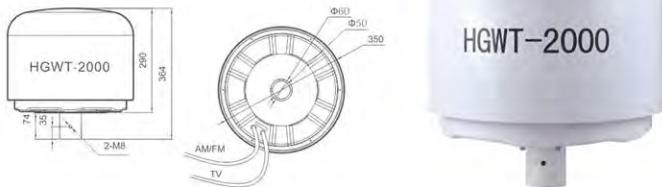
工作电流 Working current : 100-300MA

供电电源 Power supply : AC220V±10%,50Hz-60Hz

HGWT-2000 全向电视广播共用天线 Omnidirectional radio&TV share antenna

产品说明 (Specification)

颜色 Colour : 白 White
 外壳材质 Shell material : ABS
 天线增益 Antenna gain : 20dB (FM AM) 16dB (TV)
 接收频率 TV signal receive range : 48-895MHz (TV)
 广播信号 Radio signal : AM 0.3-20MHz
 FM 85-108MHz



HGWT 广播信号放大器 Fire door magnetic door stopper

产品说明 (Specification)

颜色 Colour : RAL7035
 供电电源 Power supply : AC220V±10%
 填料函 Cable gland : 3-PG16
 功耗 Power consumption : 50W



HGWT系列广播电视天线系统示意图 HGWT series broadcast & TV antenna system schematic diagram





CHAPTER 33

ZPB系列 遥控按钮

Remote control button

主要技术指标

Main technical parameter

最大工作电压 Max working voltage : AC680V

额定电流 Rated current : 5A

指示灯供电电源 Indication lamp supply voltage: 6.3V : 24V ; 110V ; 220V ; 380V

按钮使用寿命 Use life of button : <1000000次 times

注:常规式触点1常开1常闭,如需非标触点2常开或2常闭,需文字注明。带防护罩或紧急停止蘑菇头按钮适合用于一钮。

Note: Normal contact of 1 NO/1 NC. If need non standard contacts of 2NO/2NC, to be noted by letter. Fungus head button with protection cover or emergency stop to be one button only.

ZPB- □/□□□

停止带自锁 : S ; 带防护罩 : F ; 旋转开关 : X ; 蘑菇头按钮 : M ; 不锈钢 : (S)
Stop with self lock : S ; With protection cover : F ; Turn switch : X ; Fungus head button : M ; SUS

指示灯电压 : A-6.3V; B-24V; C-110V; D-220V; E-380V
Indication lamp voltage : A-6.3V ; B-24V ; C-110V ; D-220V ; E-380V

指示灯数量 : 0; 1; 2; 3
Indication lama atv : 0;1;2;3

按钮数量 : 1 ; 2; 3
Button qty : 1 ; 2 ; 3

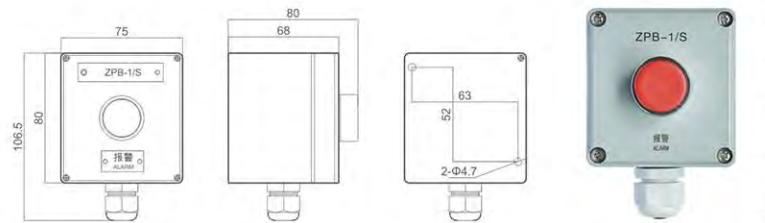
华雁按钮
HUAYAN Pushbutton

ZPB-1/S遥控按钮盒 Remote control button box

产品说明 (Specification)

颜色 Colour : 海灰色 Grey
外壳材质 Shell material : 铝材 Aluminum
填料函 Cable gland : 1-PG16

常规按钮面板“停止”或“报警”字样,如果有其他需求,则需要文字说明。
General button cover has the words "stop" or "alarm" on it. If there are other requirement, the explain is needed.



ZPB-2/1B 遥控按钮盒 Remote control button box

产品说明 (Specification)

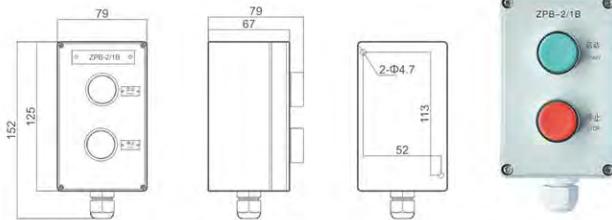
颜色 Colour : 海灰色 Grey

外壳材质 Shell material : 铝材 Aluminum

填料函 Cable Gland : 1-PG16

常规按钮面板“启动”或“停止”字样，如果有其他需求，则需要文字说明。

Regular button panel "start" or "stop" words, if there are other needs that require explanation.



ZPB-3/2D 遥控按钮盒 Remote control button box

产品说明 (Specification)

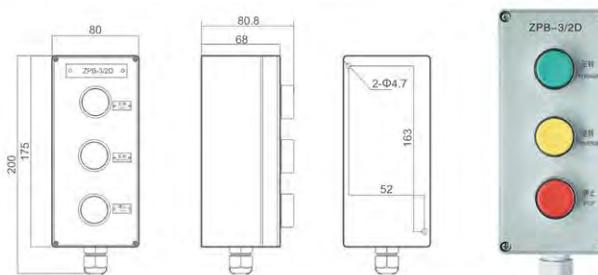
颜色 Colour : 海灰色 Grey

外壳材质 Shell material : 铝材 Aluminum

填料函 Cable gland : 1-PG16

常规按钮面板“正转”和“反转”“停止”字样，如果有其他需求，则需要文字说明。

Regular button panel "foeward" and "perverse" and "stop" words, if there are other needs that require explanation.

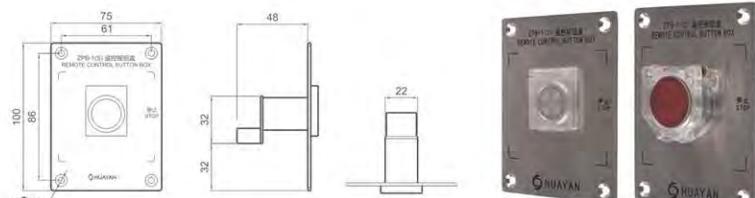


ZPB-1(S) 遥控按钮盒 Remote control button box

产品说明 (Specification)

颜色 Colour : 不锈钢本色 Natural colour

外壳材质 Shell material : 不锈钢 SUS

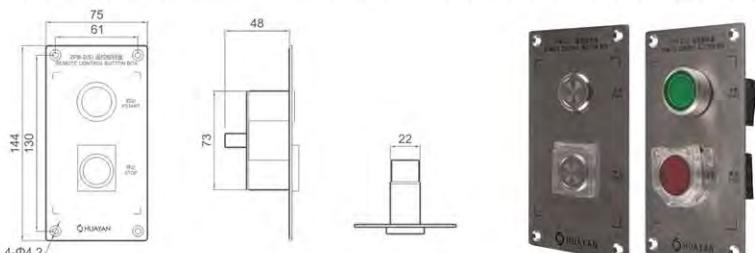


ZPB-2(S) 遥控按钮盒 Remote control button box

产品说明 (Specification)

颜色 Colour : 不锈钢本色 Natural colour

外壳材质 Shell material : 不锈钢 SUS

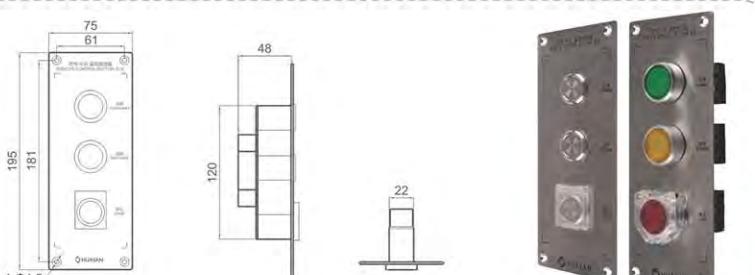


ZPB-3(S) 遥控按钮盒 Remote control button box

产品说明 (Specification)

颜色 Colour : 不锈钢本色 Natural colour

外壳材质 Shell material : 不锈钢 SUS



CHAPTER 34

CCTV 视频监控系统 Video monitoring system



系统组成

System composition

序号 No.	名称 Name & Specification	型号 Type	重量 Weight	防护等级 IP Rating
1.	200万-500万像素红外半球摄像机 200-500 million Pixel infrared hemisphere camera	HJP-2 (3、4、5)H	0.56kg	IP67
2.	200万-500万像素星光半球摄像机 200-500 million Pixel starlight hemisphere camera	HJP-2 (3、4、5)X	0.56kg	IP67
3.	200万-500万像素红外筒型摄像机 200-500 million Pixel infrared barrel camera	HJT-2 (3、4、5)H	0.75kg	IP67
4.	200万-500万像素星光筒型摄像机 200-500 million Pixel starlight barrel camera	HJT-2 (3、4、5)X	0.75kg	IP67
5.	200万-500万像素红外球型摄像机 200-500 million Pixel infrared sphere camera	HJQ-2 (3、4、5)H	4.5kg	IP67
6.	200万-500万像素星光球型摄像机 200-500 million Pixel starlight sphere camera	HJQ-2 (3、4、5)X	4.5kg	IP67
7.	200万-500万像素不锈钢红外半球摄像机 200-500 million Pixel stainless steel infrared hemisphere camera	HJP-2 (3、4、5)HB	4.0kg	IP67
8.	200万-500万像素不锈钢星光半球摄像机 200-500 million Pixel stainless steel starlight hemisphere camera	HJP-2 (3、4、5)XB	4.0kg	IP67
9.	200万-500万像素不锈钢红外筒型摄像机 200-500 million Pixel stainless steel infrared cylinder camera	HJT-2 (3、4、5)HB	5.0kg	IP67
10.	200万-500万像素不锈钢星光筒型摄像机 200-500 million Pixel stainless steel star barrel camera	HJT-2 (3、4、5)XB	5.0kg	IP67
11.	200万-500万像素不锈钢红外球型摄像机 200-500 million Pixel stainless steel infrared ball camera	HJQ-2 (3、4、5)HB	12.0kg	IP67
12.	200万-500万像素不锈钢星光球型摄像机 200-500 million Pixel stainless steel starlight sphere camera	HJQ-2 (3、4、5)XB	12.0kg	IP67
13.	200万-500万像素防爆红外半球摄像机 200-500 million Pixel explosion-proof infrared hemisphere camera	LA-2D216AC-I	4.0kg	IP68
14.	200万-500万像素防爆红外筒型摄像机 200-500 million Pixel explosion-proof infrared barrel camera	LA-1D312AC	5.0kg	IP68
15.	200万-500万像素防爆星光筒型摄像机 200-500 million Pixel explosion-proof starlight barrel camera	LA-1D512AC	5.0kg	IP68
16.	200万-500万像素防爆红外球型摄像机 200-500 million Pixel explosion-proof infrared spherical camera	LA-3D232AC-IA	12.0kg	IP68
17.	200万-500万像素防爆星光球型摄像机 200-500 million Pixel explosion-proof starlight sphere camera	LA-3D242AC-XA	12.0kg	IP68
18.	8路硬盘录像机 8 way hard VCR	HJY-081	1.0kg	IP20
19.	16路硬盘录像机 16 way hard VCR	HJY-164	5.0kg	IP20
20.	32路硬盘录像机 32 way hard VCR	HJY-328	8.0kg	IP20
21.	64路硬盘录像机 64 way hard VCR	HJY-6416	12.5kg	IP20
22.	128路硬盘录像机 128 way hard VCR	HJY-12824	23.0kg	IP20
23.	256路硬盘录像机 256 way hard VCR	HJY-25624	23.0kg	IP20
24.	17寸工程级显示器 17 Inch engineering grade LCD	HJX-T(Q)17A	3.2kg	IP20
25.	19寸工程级显示器 19 Inch engineering grade LCD	HJX-T(Q)19A	3.2kg	IP20

系统组成

System composition

序号 No.	名称 Name & Specification	型号 Type	重量 Weight	防护等级 IP Rating
26.	22寸工程级显示器 22 Inch engineering grade monitor	HJX-T(Q)23A	4.2kg	IP20
27.	17寸工业级显示器 17 Inch Industrial-grade monitor	HJX-Q(T)	4.6kg	IP65
28.	19寸工业级显示器 19 Inch Industrial-grade monitor	HJX-Q(T)	4.6kg	IP65
29.	21.5寸工业级显示器 21.5 Inch Industrial-grade monitor	HJX-Q(T)	5.3kg	IP65

功能描述

Function description

视频监控系统是一套集视频采集、存储、回放调阅为一体的安全防范系统；为保障船舶安全，适应新形势下航运发展的需要。

监控功能特点如下：

- 1.实时监控功能：针对船舶的甲板、通道、机舱等地方进行前端摄像机布点监控，对船舶内部各进出通道的往来人员的日常情况进行有效的监测。
- 2.录像存储和回放功能：前端摄像机通过把前端的图像信号通过编码采集为数字信号，通过网络传输到存储设备进行远程管理，支持重要部位实时图像集中显示和切换，支持录像资料远程检索和回放。

Video monitoring system is a set of security system which is integrated video collection, storage, playback and reading to ensure the safety of ships and meet the needs of shipping development under the new situation.

Monitoring function characteristics are as following:

Real-time monitoring function: position the front-end camera on the deck, passageway and engine room of the ship, and effectively monitor the daily situation of the personnel in and out of the passageway of the ship.

Video storage and playback function: the front-end camera collects the image signal of the front-end through coding and transfers it to the storage device for remote management. It supports the centralized display and switching of real-time images of important parts and remote retrieval and playback of video data.

CCTV视频监控系统示意图

Schematic diagram of unified communication system wiring



CHAPTER 35

视频会议系统

Video conference system



系统组成

System composition

序号 No.	名称 Name & Specification	型号 Type	重量 Weight	防护等级 IP Rating
1..	MCU多点处理单元 MCU multipoint processing unit	YGN-A8	8.0kg	IP20
2..	分体高清终端 Split hd terminal	YGN-X2	1.2kg	IP20
3..	视频会议摄像机 The video conference camera	YGN-812U	0.8kg	IP20
4..	全向麦克风 Omnidirectional microphone	YGN-60	0.8kg	IP20
5..	视频会议一体机 Video conference all in one PC	YGN-G3	1.0kg	IP20
6..	液晶电视机 LED	YGN-L50	12.0kg	IP20
7..	会议音响 Meeting audio	YGN-B100	1.0kg	IP20
8..	会议功放 Conference amplifier	YGN-C100	3.0kg	IP20
9..	会议调音台 Meeting mixer	YGN-D10	2.0kg	IP20
10..	会议麦克风 Conference microphone	YGN-H10	4.0kg	IP20

功能描述

Function description

视频会议系统，包括软件视频会议系统和硬件视频会议系统，是指两个或两个以上不同地方的个人或群体。通过现有的各种电信通讯传输媒体，将人物的静态、动态图像、语音、文字、图片等多种资料分送到各个用户的计算机上，使得在地理上分散的用户可以聚在一起，通过图形、声音等多种方式交流信息，增加双方对内容的理解能力。目前视频会议逐步向着多网协作、高清化、开发化的方向发展着。

Video conference system, including video conferencing system software and hardware video conference system, refers to two or more than two different parts of the individual or group, through the existing various telecommunications transmission media, the character of the static, dynamic images, voice, text, images and other data distributed to each user's computer, in geographically dispersed users can copolymerization, the ways to exchange information, such as graphics, sounds, increase our understanding of the content. At present, video conference is developing towards multi-network cooperation, high-level and development.

视频会议系统示意图 Schematic diagram of video conference system





CHAPTER 36

船舶局域网系统 Ship LAN system

系统组成

System composition

序号 No.	名称 Name & Specification	型号 Type	防护等级 IP Rating
1.	服务器机柜 Server rack	定制 (Customized)	IP20
2.	核心交换机 Core exchanger	H3C LS-S5500V2-24P-SI	IP20
3.	硬件防火墙 Hardware firewall	H3C F100-C-G2	IP20
4.	无线AP Wireless APPOE	H3C Mini A20	IP20
5.	千兆交换机 POE gigabit exchanger	H3C S5024PV2-EI-PWR	IP20
6.	无线控制器 Wireless Controller	H3C Mini M20	IP20
7.	高性能服务器 High-performance server	LenovoX3650 M5	IP20
8.	应用服务器 Application server	LenovoX3250 M6	IP20
9.	信号采集单元 Signal collection unit	定制 (Customized)	IP54
10.	串口服务器 Serial server	MOXA nport5650-8-dt	IP54

功能描述

Function description

网络基础设备实现本船海事业务网、日常保障网的网络接入和综合管理。包括网络交换机和服务器，采用核心层一接入层的二层网络架构，日常保障网主要承载船员的日常保障网业务，如电子邮件等全船网络采用冗余链路设计，网络基础设施设有防火墙、安全隔离、入侵检测、漏洞扫描、防病毒、抗DOS攻击、安全控制设备、安全取证机、安全终端等系统为基础，通过入侵检测、身份认证和访问控制、安全评估、安全审计等现代网络安全技术。

The basic network equipment realizes the network access and comprehensive management of the ship's maritime service network and daily security network. Including network switch and server, using the core layer, access layer 2 network architecture, daily safety net is mainly for the crew's safety net business daily, such as E-mail, ship's network USES the redundancy link design, network infrastructure is equipped with a firewall, security isolation, intrusion detection, vulnerability scanning, antivirus, anti DOS attacks, machine of safety control equipment, safety, security terminal system as the foundation, through the intrusion detection, authentication and access control, safety evaluation, safety audit and other modern network security technology.

功能描述

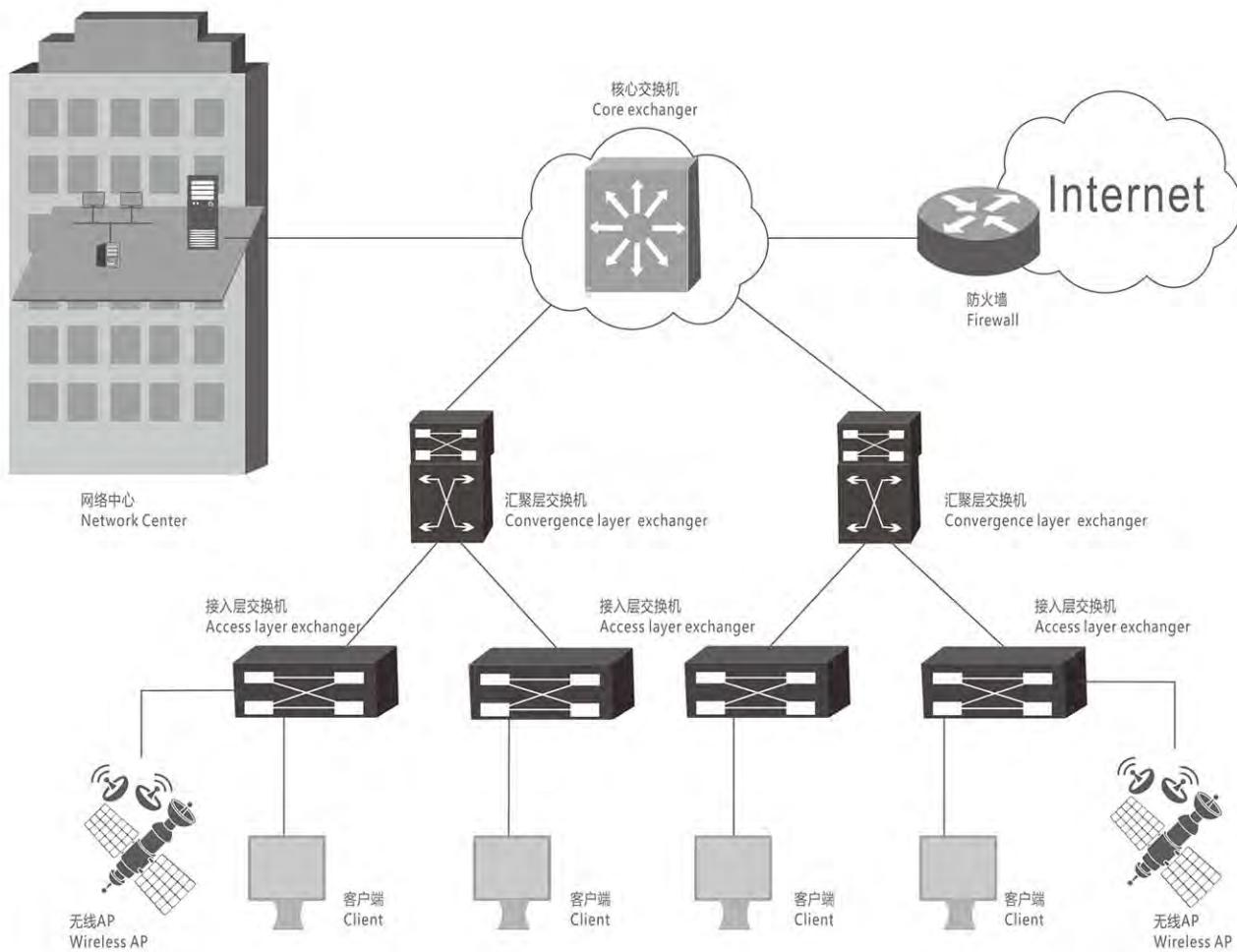
Function description

主要功能 Main Functions:

共享文件 共享硬件 共享数据库
 Shared files Shared hardware Shared database

信息传递 保存信息 保护信息
 Information transmission Save information To protect the information

CCTV视频监控系统示意图 CCTV system wiring schematic diagram





CHAPTER 37

综合调度指挥系统

Integrated dispatching command system

系统组成

System composition

序号 No.	名称 Name & Specification	型号 Type	重量 Weight	防护等级 IP Rating
1.	综合通信系统主机 Integrated communication main unit	CAT-YN6	140kg	IP20
2.	综合通信系统终端 Integrated communication terminal	CAT-8000T	10kg	IP20
3.	综合通信系统终端 Integrated communication terminal	CAT-80001T	15kg	IP20

综合通信技术是指通过在IP网络上无缝集成语音、视频、即时通信、数据等四种主要通信方式的系统架构，为用户提供一个功能丰富，操作简单的通信环境。简单的说统一通信就是将电话、MAIL, IM、视频会议集成到一个终端上，用户通过轻松的点击鼠标就可以找到对方。

Unified communication technology refers to the system architecture that seamlessly integrates voice, video, instant messaging, data and other four main communication modes over IP networks, providing users with a rich and easy-to-operate communication environment. Simply speaking, unified communication is the integration of telephone, MAIL, IM, video conferencing into a terminal, users can easily find each other by clicking the mouse.

概 述

Summary

综合通信系统与船舶综合内通（船用广播系统、船用程控交换系统）、IP电话、卫星电话、船用电台、便携式VHF对讲机等多种语音系统和船舶设备终端间实现互联互通，采集编队船舶和任务现场的音频信息，并向各类终端发送语音指令和广播通知，实现语音的融合通信和统一指挥调度，实现指挥中心对语音终端的点对点指挥、语音终端的跨平台点对点通信、语音会商指挥等。

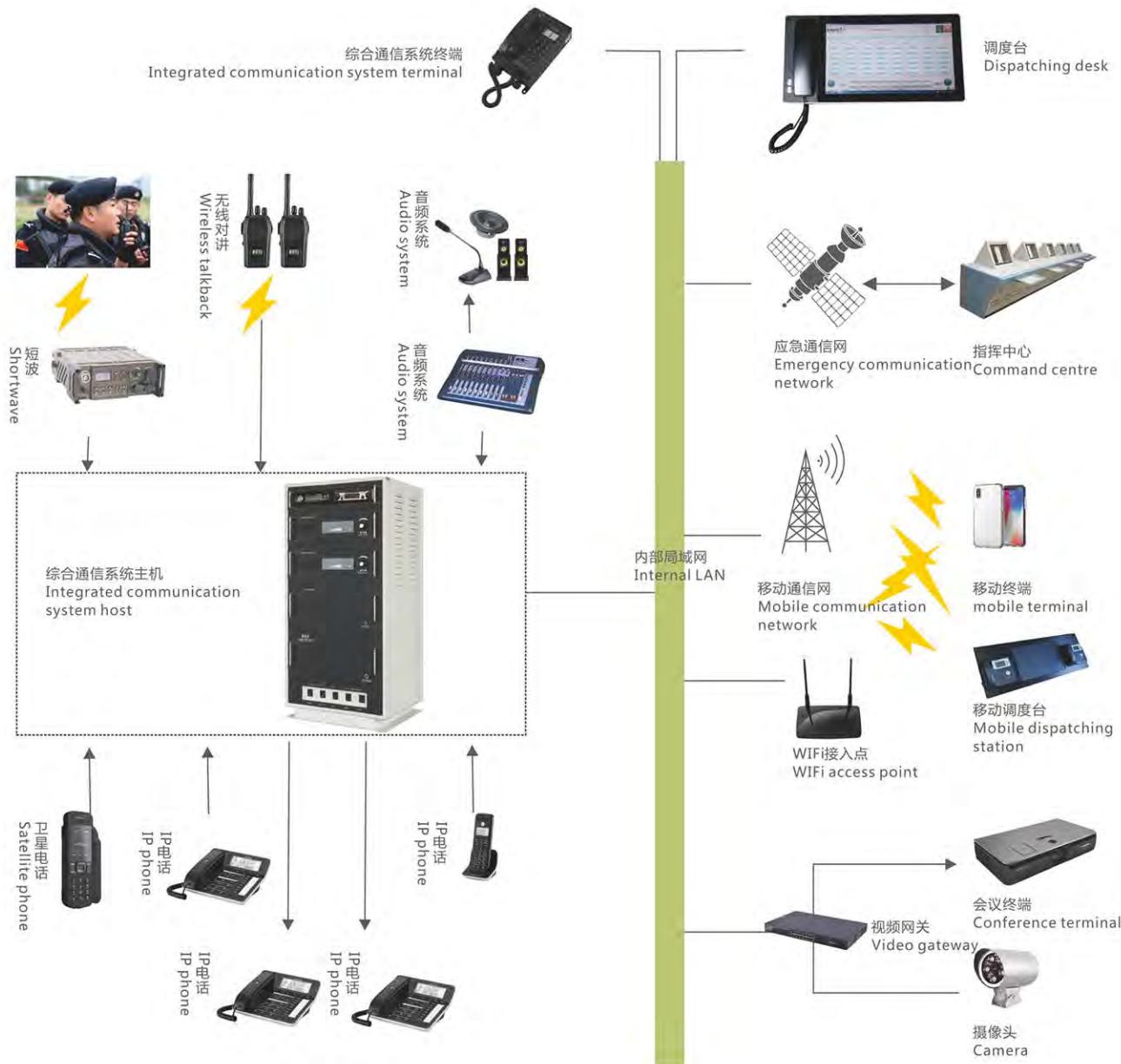
Integrated communication system and ship's integrated flux (Marine broadcast system, Marine SPC switching system), IP telephone, satellite phones, Marine radio, portable VHF radios and other phonetic systems and Marine equipment between the terminal to realize the connectivity, the scene of the formation of ship and tasks of audio information collected, and all kinds of terminal to send voice commands and broadcast announcement, realize the fusion of voice communications and unified scheduling command, realize the command center for point-to-point voice terminal command, voice terminal cross—platform point-to-point communication, voice in consultation with the command, etc.

功能描述

Function description

- | | |
|--|--|
| ① 智能调度台配置一体式触摸电容屏，内嵌手柄；
② 融合船舶内部通信及语音调度；
③ 融合电台语音通信；
④ 融合船舶视频监控；
⑤ 支持语音视频联动。 | ① Intelligent dispatch station is equipped with integrated touch capacitor screen and built-in handle;
② Integrated internal communication and voice dispatch ;
③ Integrated radio voice communication;
④ Fusion vessel video monitoring;
⑤ Support voice video linkage. |
|--|--|

综合调度指挥系统接线示意图 Integrated dispatching command system wiring schematic diagram



Hua yan service network

华雁服务网络

Singapore-新加坡

AMI Maritime Pte Ltd
Add:33 Ubi Ave 3, #07-53 Vertex (Tower A),
Singapore 408868
T: +65 6476 6057
F: +65 6476 6058
M: +65 9457 6535
www.amimaritime.com
Contact Person: Mr Kenny ZHU
kenny @ amimaritime. Com

RIQ PTE LTD.
Add.:Block 3007, Ubi Road 1, #02-440,
Singapore 408701
Tel: +65 6741 3723 Fax: +65 6741 3746
Email: raytham@riq.com.sg
Tel: +65 6741 3723 Fax: +65 6741 3746
Attn: Raymond Tham

Malaysia-马来西亚

ACG MARINE CONTROLS SDN. BHD.
Add :Lot 3013,Ground Floor, Wisma Chuan Gek,
Lorong 10 Krokop 98007, Miri, Sarawak, Malaysia
Email : acg @ streamyx.com
Tel:+6085-435903 Fax: +6 085-425903
Mobil:+6 019-815 0959
Attn:Wee Chip Tang

U.A.E- (阿联酋)

V-TECH Marine Services LLC
Add : P O Box: 13756, Ajman, U.A.E
Tel: +971 6 743 0402 Fax:+971 6 743 1135
Contact Person : Dinesh Email : dinesh@vtech.ae

Korea-韩国

FSS Fire&Safety Solution
Add:(618-808) Room 204, B1dg.110, T-Plex,
Daejeo 2 Dong, Kangseogu, Busan, Korea
Tel: +82-51-796-2522
Mobile: +82-10-5790-4129
Fax: +82-51-796-2523
Contact Person:Jacob Choi
Email:fss@fssbp.com

China-中国

Hangzhou Huayan Digital Electron Co., Ltd.
Add:N0.318,Hongfa Road Xiaoshan Hangzhou,
China/311201
Tel: 0086-571-82697636
Fax: 0086-571-82696613
www.hzhuayan.com
Email:hy1993@hzhuayan.com

Cyprus-塞浦路斯

Tototheo Group.
Add: 89 Omonia Avenue, 3048 Limassol, Cyprus
Switchboard +357 25 56 91 55
www.tototheo.com.cy
Contact Person: Mr Socrates Theodossiou
socrates@tototheo.com.cy

各办事处联系方式

山东办 Shandong office : 13456929997
上海办 Shanghai office : 13701981021
江苏办 Jiangsu office : 15268820888
大连办 Dalian office : 18329112195
武汉办 Wuhan office : 13335887393
舟山办 Zhoushan office : 13305719377
福建办 Fujian office : 13305818867
广州办 Guangzhou office : 18329116603

塞浦路斯

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中国

韩国

马来西亚

新加坡

杭州华雁数码电子有限公司

HANGZHOU HUAYAN DIGITAL ELECTRON CO.,LTD.

地址(ADD) : 杭州萧山经济技术开发区桥南区鸿发路318号
NO.318,Hongfa Road,QiaonanArea Xiaoshan economic
& technology development Zone Hangzhou
邮箱(E-mail) : hyl993@hzhuayan.com
销售部(SalesDepartment) : +86-571-82697636 / 82695169
外贸部(ForeignTradeDept) : +86-571-82697963
售后服务(AnerServiceDept) : +86-571-82695161
传真(FAX) : +86-571-82696613

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