



ООО "АТ-ПА"

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Marine automatic telephone system

System composition

No.	Name & specification	Type	Weight	IP Rating
1.	8-24 user auto-telephone exchanger	CK-1A	14-23kg	IP22
2.	32-96 user auto-telephone exchanger	CK-1	51-85kg	IP22
3.	64-320 user more auto-telephone exchanger	CK-1B	63-90kg	IP22
4.	Flush type auto-telephone	HAQ-1	0.9kg	IP20
5.	Wall mounted auto-telephone	HAG-1	1.2kg	IP44
6.	Antinoise auto-telephone	HAG-1T	1.12+0.7kg	IP44
7.	Weather proof auto-telephone	HAG-1F	5.04kg	IP56
8.	Desk type auto-telephone	HAT-1	0.7kg	IP22
9.	Wall mounted auto-telephone	HAG-2	0.75kg	IP22
10.	Shore line connection box	AXX-1	0.6kg	IP56
11.	Explosion proof auto-telephone	HAG-1E	2.04kg	IP66
12.	Explosion proof headset push button telephone	HAG-1E/T	2.1kg	IP66
13.	IS barrier	HA-1	1.08kg	IP44
14.	Explosion-Proof Button Telephone	HAG-2E	2.1kg	IP56
15.	Safety Barrier	HA-1	0.7kg	IP44
16.	Portable auto-telephone	HA-1X	5.7kg	IP44
17.	Hands-free phones	HAT-1	0.7kg	IP22
18.	Automatic telephone socket box	HCZ-1	0.6kg	IP56
19.	Flush type telephone terminal box	JT-2	0.04kg	IP20
20.	6/12/24 way connection box	6/12/24FX-2	1.5-3.5kg	IP22/IP44
21.	Relay box	SG-1A	0.6kg	IP44
22.	Flash light and buzzer unit	SG-3C	0.9kg	IP44
23.	Mobile phone adapter	SP-2	0.61kg	IP22

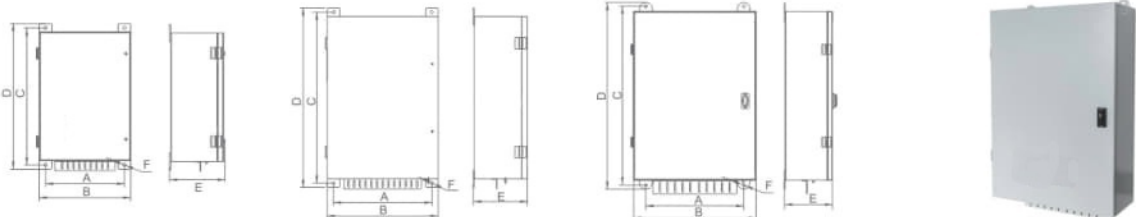
Adopt standard

- ① Chapter 1, Part Four of China Classification Society Rules for Classification of Sea-Going Steel Ships 2023 and its Change Notices;
- 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.

Functional description

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-1 8-24 , 32-56 and 64-96 ways Users auto-telephone exchanger

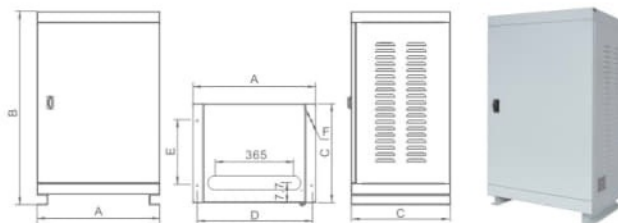
									
NO.	Type	尺寸(A/B/C/D/E/F)mm Size	Gate number	Power consumption	Power supply	Colour	Shell material	IP rating	Weight (kg)
1	CK-1A	276/320/480/510/194/11	8-24	50	AC220V±10%; DC24V±10%	White RAL7035	Q235B	IP22	14
2	CK-1	345/389/599/629/198/11	32-56	150					23
3	CK-1B	386/482/705/735/206/11	64-96	150					23
4	CK-1B	570/900/460/530/300/11	120	250					51
5	CK-1B	570/1415/300/460/530/300	128-240	300					85

CK-1B 64-320 Users auto-telephone exchanger

(Specification)

Colour: White RAL7035
 Shell material: Q235B
 Power supply: AC220V±10%, DC24V±10%
 IP rating: IP22
 Power consumption: 250W

User capacity : 64-320 ways each piece of user board containing 16 user.

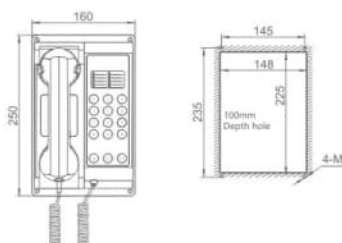


HAQ-1 Flush type auto-telephone

(Specification)

Colour: Dull black
 Shell material: ABS
 Ringing loudness: >75dB
 IP rating: IP20

Product*Dimming* is optional
 Double tone push button telephone set
 Key luminous, dimming

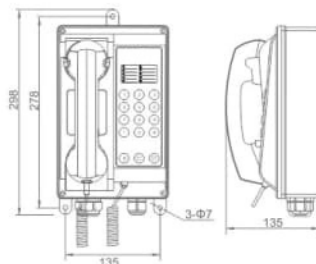


HAG-1 Wall mounted auto-telephone

(Specification)

Colour: Dull black
Shell material: ABS
Cable gland: PG25;PG16
Ringing loudness: >75dB
IP rating: IP44

Double tone push button telephone set

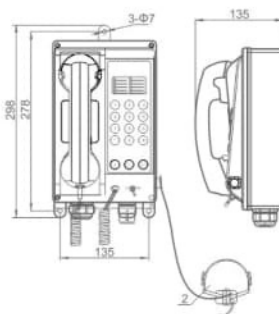


HAG-1T Antinoise auto-telephone

(Specification)

Colour: Dull black
Shell material: ABS
Cable gland: PG25;PG16
Ringing loudness: >75dB
IP rating: IP44

Double tone push button telephone set
Headphone line 1.5m there are special requirements needs to be indicated.



SP-2 Mobile phone adapters

The picture is for reference only

(Specification)

IP rating: IP22

(Technical specifications)

The air interface standards

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

Transmission

*GSM900 890-915MHz
*GSM1800 1710-1785MHz
*GSM1900 1810-1910MHz

Antenna (including)

GSM 900/1800: 3 dBi
Dipole antenna (Attached with) GSM
900/1800: 3 dBi Dual-band

Receive

935-960MHz
1805-1880MHz
1930-1990MHz
AC/DC switching power supply
component (Attached with)
Voltage: 90-240 vac Frequency: 50/60 hz

Even the head



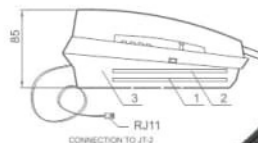
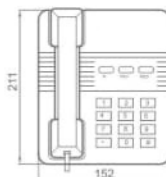
RJ-11 (TEL) interface socket, used in telephone.
USB ports used to connect to GPRS or circuit switching
digital/data transmission.
SMA antenna connector (50 ohm) or head of SMA.
DC power input socket, the power switch.

HAT-1 Auto-telephone(Desk type)

(Specification)

Colour: Cream-colored /Black
Shell material: ABS
Ringing loudness: >75dB
IP rating: IP22

Double tone push button telephone set

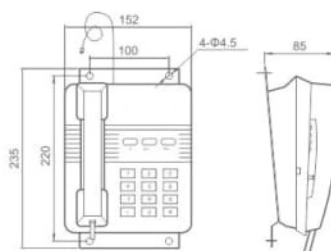


HAG-2 Auto-telephone(Wall mounted)

(Specification)

Colour: Cream-colored / Black
 Shell material: ABS
 Ringing loudness: >75dB
 IP rating: IP22

DTMF touch-tone telephone

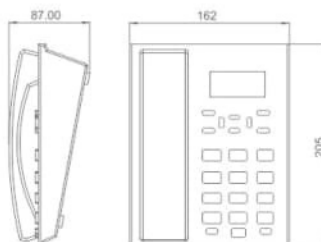


HAT-1 Desk type auto-telephone

(Specification)

Colour: White RAL7035
 Shell material: ABS
 Ringing loudness: >75dB
 IP rating: IP22

Double tone push button telephone set
 Speakerphone, caller ID

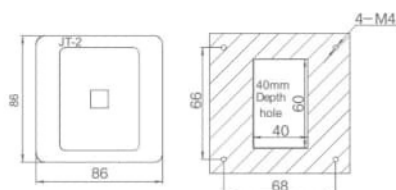


JT-2 Flush type connection box

(Specification)

Colour: White RAL7035
 Shell material: ABS
 IP rating: IP20

Used match with HAT-1 and HAT-2 automatic telephone

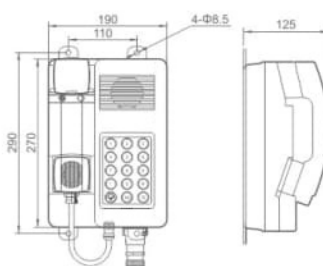


HAG-1E Explosion proof auto-telephone

(Specification)

Colour: Dull black
 Shell material: ABS
 Cable gland: 1-PG16 (Copper)
 Explosive-proof grade: Ex ib IIC T6 Gb
 Ringing loudness: >75dB
 IP rating: IP66

Double tone push button telephone set, used
 with HA-1 IS barrier

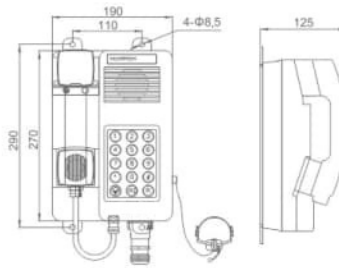


HAG-1E/T Explosion proof auto-telephone

(Specification)

Colour: Dull black
 Shell material: ABS
 Cable gland: 1-PG16 (Copper)
 Explosive-proof grade: Ex ib IIC T6 Gb
 Ringing loudness: >75dB
 IP rating: IP66

Double tone push button telephone set, used with HA-1 IS barrier
 Headphone line 1.5m there are special requirements needs to be indicated.

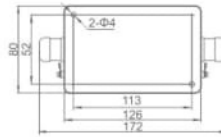


HA-1 IS barrier

(Specification)

Colour: Gray
 Shell material: Aluminium
 Cable gland: Stainless steel
 Explosive-proof grade: [Ex ib Gb] IIC
 IP rating: IP44

With explosion-proof telephone use, IS barrier should be installed in the safety zone.



HAG-2E (HA-1)

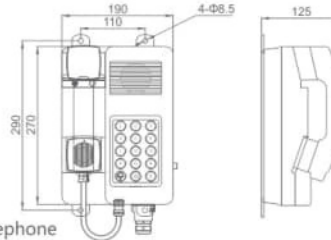
Explosion-Proof Button Telephone (HA-1 Safety Barrier)

(Specification)

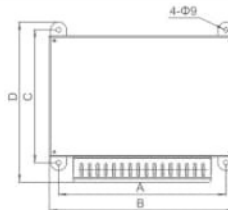
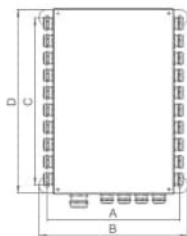
Colour: black
 Shell material: Antistatic ABS
 Cable gland: Stainless steel
 Explosive-proof Grade: II 2G Ex ib IIC T4 Gb/
 II 2G [Ex ib Gb] IIC

IP rating: IP54/IP44

HA-1 Safety Barrier is Equipped with Explosion-Proof Button Telephone



6-24 FX-2 Connection box



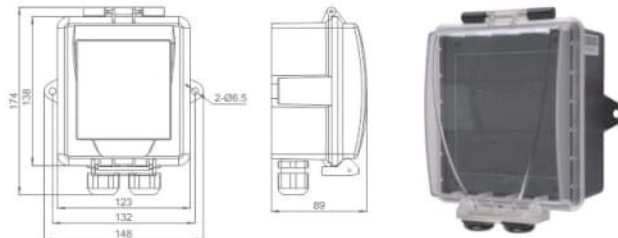
NO.	Type	(A/B/C/D/E/F)mm Size	IP rating	Colour	Shell material	Weight (kg)	
1	6FX-2	252/284/140/170/67	IP44	White RAL7035	Q235B	1.5	
2	12FX-2	246/276/310/340/93				IP22	4
3	24FX-2						4.5
4	6FX-2	252/284/140/210/67	1.5				
5	12FX-2	310/344/246/297/90	4				
6	24FX-2		4.5				
7	30FX-2	420/454/286/335/90	5.5				
8	8FX-2Q	210/150/130/57/180	2				
9	12FX-2Q		4.5				

AXX-1 Shoreline connection box

(Specification)

Colour: Dull black
Shell material: ABS
Cable gland: PG16
IP rating: IP56

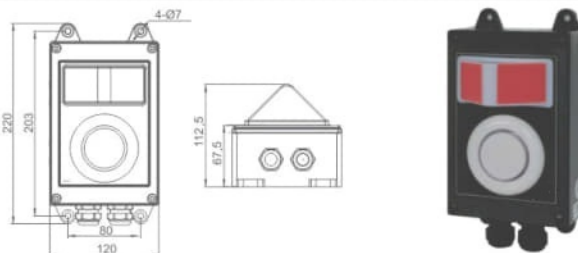
Connect auto telephone exchanger to shoreline telephone together



SG-3C Flash light and buzzer unit

(Specification)

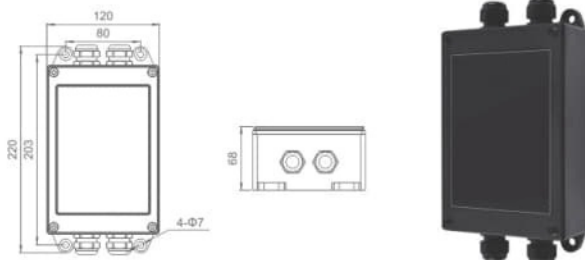
Colour: Dull black
Shell material: ABS
Cable gland: 2-M20x1.5
Power supply: AC220V $\pm$ 10% or DC24V $\pm$ 10%
IP rating: IP44
Alarm sound pressure: $\geq$ 90dB



SG-1A Relay box

(Specification)

Colour: Dull black
Shell material: ABS
Cable gland: 4-M20x1.5
Power supply: AC220V $\pm$ 10% or DC24V $\pm$ 10%
IP rating: IP44

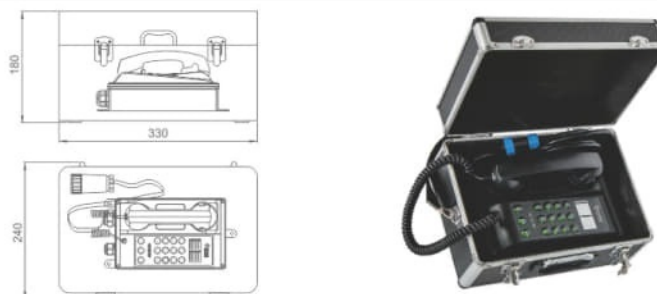


HA-1X Portable auto-telephone

(Specification)

Colour: Dull black
Shell material: ABS
Ringing loudness: $>$ 75dB
IP rating: IP44

Double tone push button telephone set



HCZ-1 Portable telephone socket

(Specification)

Colour: Dull black
Shell material: ABS
Cable gland: PG16
IP rating: IP56

Use with portable automatic telephone

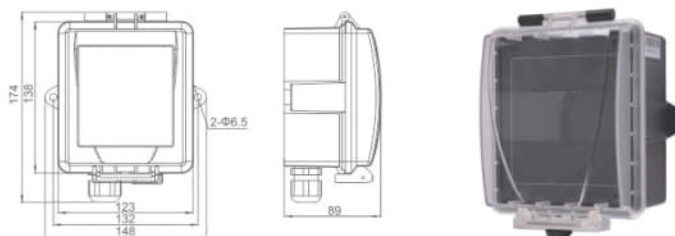
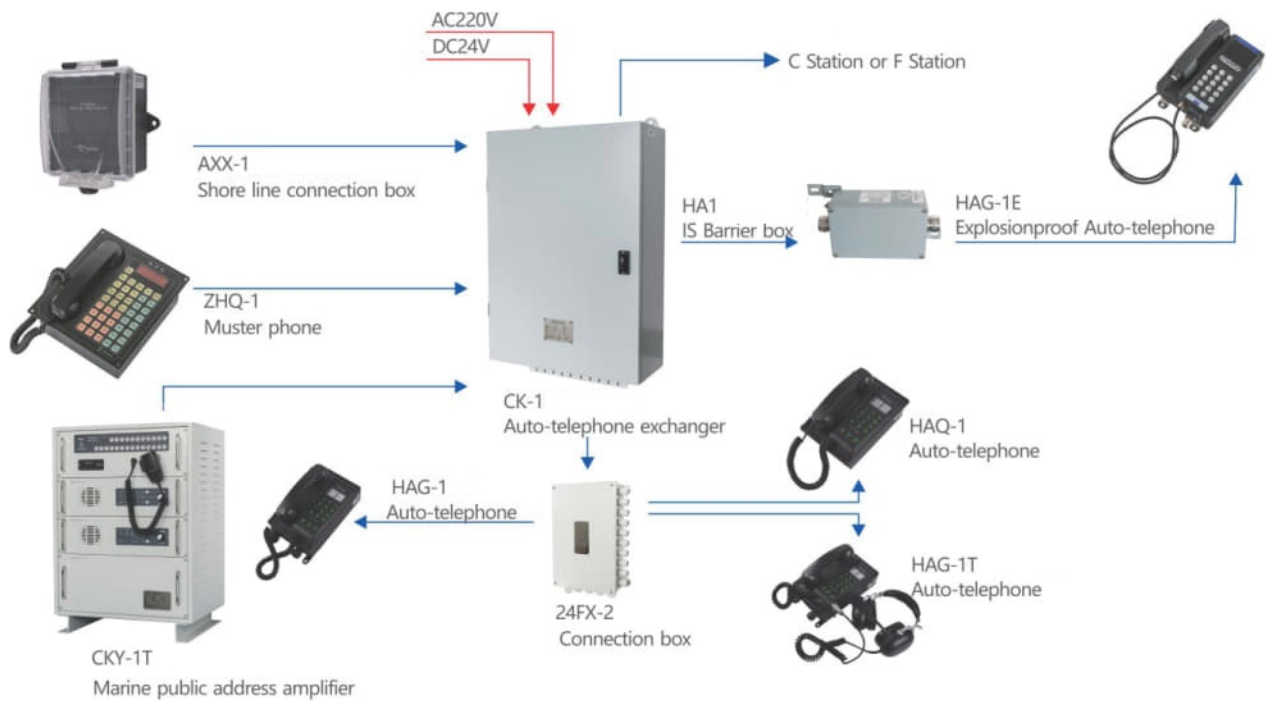


Diagram of CK marine automatic telephone system



CK Marine programmed telephone system wiring diagram

