



г. Санкт-Петербург

ООО "AT-PA"

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Batteryless telephone system

System composition

No.	Name & specification	Type	Weight	IP Rating
1.	Flush type batteryless telephone	HSQ-1	1.1kg	IP22
2.	Wall mounted batteryless telephone	HSG-1	1.3kg	IP44
3.	Single-way batteryless telephone(Flush type antinoise)	HSQ-1T	1.1+0.7kg	IP22
4.	Batteryless telephone(Antinoise)	HSG-1T	1.3+0.7kg	IP44
5.	Batteryless telephone(Weather proof)	HSG-1F	8.5 kg	IP56
6.	Single-way batteryless telephone(Weather proof antinoise)	HSG-1TF	8.5+0.7kg	IP56
7.	Selective batteryless telephone(6 way Flush type)	6HSQ-1	1.2kg	IP22
8.	Selective batteryless telephone(6 way Wall mounted)	6HSG-1	1.4kg	IP44
9.	Selective batteryless telephone(6 way Flush type antinoise)	6HSQ-1T	1.2+0.7kg	IP22
10.	Selective batteryless telephone(6 way antinoise)	6HSG-1T	1.4+0.7kg	IP44
11.	Selective batteryless telephone(6 way Weather proof)	6HSG-1F	8.5kg	IP56
12.	Selective batteryless telephone(6 way Weather proof antinoise)	6HSG-1TF	8.5+0.7kg	IP56
13.	Selective batteryless telephone(12 way Flush type)	12HSQ-1	1.2kg	IP22
14.	Selective batteryless telephone(12 way Wall mounted)	12HSG-1	1.4kg	IP44
15.	Selective batteryless telephone(12 way Flush type antinoise)	12HSQ-1T	1.2+0.7kg	IP22
16.	Selective batteryless telephone(12 way antinoise)	12HSG-1T	1.4+0.7kg	IP44
17.	Selective batteryless telephone(12 way Weather proof)	12HSG-1F	8.5kg	IP56
18.	Selective batteryless telephone(12 way Weather proof antinoise)	12HSG-1TF	8.5+0.7kg	IP56
19.	Selective batteryless telephone(16 way Flush type)	16HSQ-1	1.2kg	IP22
20.	Selective batteryless telephone(16 way Wall mounted)	16HSG-1	1.4kg	IP44
21.	Selective batteryless telephone(16 way Flush type antinoise)	16HSQ-1T	1.2+0.7kg	IP22
22.	Selective batteryless telephone(16 way antinoise)	16HSG-1T	1.4+0.7kg	IP44
23.	Selective batteryless telephone(16 way Weather proof)	16HSG-1F	8.5kg	IP56
24.	Selective batteryless telephone(16 way Weather proof antinoise)	16HSG-1TF	8.5+0.7kg	IP56

System composition

No.	Name & specification	Type	Weight	IP Rating
25.	Selective batteryless telephone(24 way Flush type)	24HSQ-1	1.2kg	IP22
26.	Selective batteryless telephone(24 way Wall mounted)	24HSG-1	1.4kg	IP44
27.	Selective batteryless telephone(24 way Flush type antinoise)	24HSQ-1T	1.2+0.7kg	IP22
28.	Selective batteryless telephone(24 way antinoise)	24HSG-1T	1.4+0.7kg	IP44
29.	Selective batteryless telephone(24 way Weather proof)	24HSG-1F	10kg	IP56
30.	Selective batteryless telephone(24 way Weather proof antinoise)	24HSG-1TF	10+0.7kg	IP56
31.	Wall mounted explosion proof batteryless telephone	HS-2E	3.2kg	IP22/IP44
32.	Selective explosion proof batteryless telephone(6 Way)	6HS-2E	3.3kg	IP22/IP44
33.	Selective explosion proof batteryless telephone(12way)	12HS-2E	3.4kg	IP22/IP44
34.	Selective explosion proof batteryless telephone(16way)	16HS-2E	3.6kg	IP22/IP44
35.	Selective explosion proof batteryless telephone(24way)	24HS-2E	3.8kg	IP22/IP44
36.	IS barrier	AQ-2	0.7kg	IP44
37.	IS barrier	6AQ-2	0.9kg	IP44
38.	IS barrier	12AQ-2	1.8kg	IP44
39.	IS barrier	24AQ-2	2.1kg	IP44
40.	Portable batteryless telephone	HS-1X	2.7kg	IP44/2
41.	Portable batteryless telephone(6 way)	6HS-1X	3.0kg	IP44/2
42.	Portable batteryless telephone(12 way)	12HS-1X	3.0kg	IP44/2
43.	Portable batteryless telephone(16 way)	16HS-1X	3.0kg	IP44/2
44.	Portable batteryless telephone(24 way)	24HS-1X	3.0kg	IP44/2
45.	6-way junction box	6HJ-1	3.3/3.5kg	IP22/IP44
46.	12-way junction box	12HJ-1	6.1/6.6kg	IP22/IP44
47.	16-way junction box	16HJ-1	7.3/7.8kg	IP22/IP44
48.	24-way junction box	24HJ-1	9.7/10.5kg	IP22/IP44
49.	Relay box	SG-1A	0.7kg	IP44
50.	Flash light and buzzer unit	SG-3C	0.9kg	IP44
51.	Batteryless telephone socket box	CZ-1	0.5kg	IP44
52.	6-way Selective batteryless telephone socket box	6CZ-1	0.8kg	IP44
53.	12-way Selective batteryless telephone socket box	12CZ-1	0.8kg	IP44

Functional description

- ① Batteryless telephone in 24V power supply can make repeater call.
- ② No power repeater: acoustic force telephone without external power supply, only by the unit's hand 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 takes a pair of passive contact (2A) output to the engine room alarm lamp system.

Main technical parameter

The environment noise: $\leq 80\text{dB}$;

Head send receiver: $\leq 110\text{dB}$

Reception volume: $\geq 85\text{dB}$

Power supply: $\text{DC}24\text{V} \pm 10\%$

Power: 10W

HSQ-1 6/12/16/24HSQ-1 Flush type batteryless telephone

(Specification)

Colour: Dull black

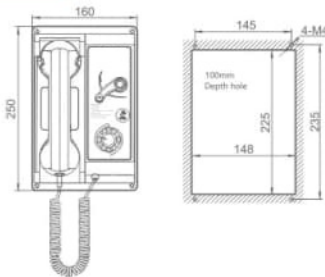
Shell material: ABS

Power supply: $\text{DC}24\text{V} \pm 10\%$

IP rating: IP22

Product "Dimming" is optional

The installation size of the selective batteryless telephone is the same as batteryless telephone
Dimming optional



HSG-1 6/12/16/24HSG-1 Wall mounted batteryless telephone

(Specification)

Colour: Dull black

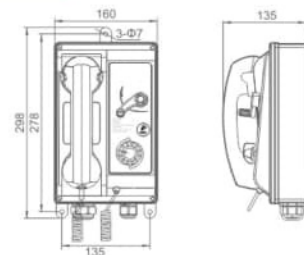
Shell material: ABS

Cable gland: 1-PG25; 1-PG16

Power supply: $\text{DC}24\text{V} \pm 10\%$

IP rating: IP44

The installation size of the selective batteryless telephone is the same as batteryless telephone



HSG-1T 6/12/16/24HSG-1T Antinoise resistant batteryless telephone

(Specification)

Colour: Dull black

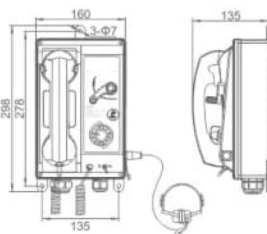
Shell material: ABS

Cable gland: 2-PG25; 1-PG16

Power supply: $\text{DC}24\text{V} \pm 10\%$

IP rating: IP44

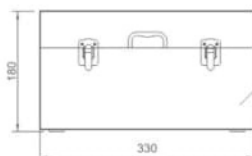
Conventional headphones cable 3m, special requirements to be indicated.



HS-1X 6/12/16/24HS-1X

(Specification)

Colour: Dull black
Shell material: ABS
Power supply: DC24V±10%
IP rating: IP44

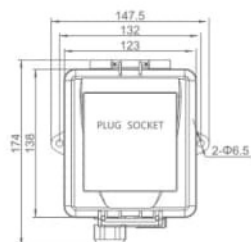


CZ-1 Portable batteryless telephone plug socket

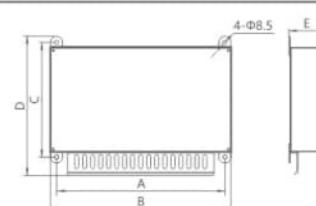
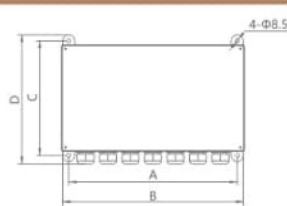
(Specification)

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

Application for portable batteryless telephone



6/12/16/24HJ-1 Junction box



NO.	Type	(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

NO.	Type	(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

(Specification)

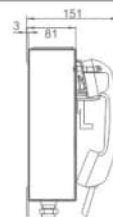
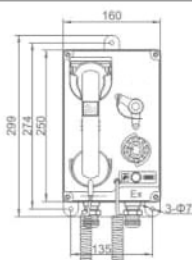
Colour: White RAL7035
Shell material: Q235B
IP rating: IP44/IP22

Application for batteryless telephone system

HS-2E Explosionproof batteryless telephone (Wall mounted)

(Specification)

Capacity: 1User/6 User/12 User
Colour: Surface dull black
Shell material: Aluminum
Cable gland: PG25;PG16 (Stainless steel)
Power supply: DC24V±10%
IP rating: IP22
Explosive-proof grade: Exib II CT4 Gb

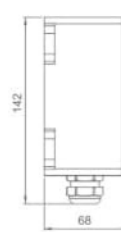
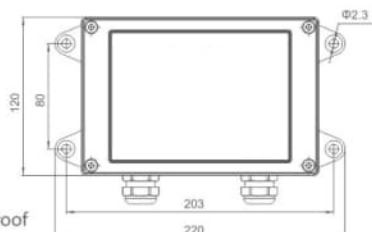


AQ-2 IS Barrier

(Specification)

Colour: Dull black
Shell material: ABS
Power supply: DC24V±10%
IP rating: IP44
Explosive-proof grade: Ex ib II CT4
Max power supply: 17V

To be installed in safety area, connection to exproof batteryless telephone.



12HSG-2E (AQ-2) Explosion-Proof Batteryless Telephone (AQ-2 Safety Barrier)

(Specification)

Colour: Matte black

Shell material: Aluminium

Cable gland: Stainless steel

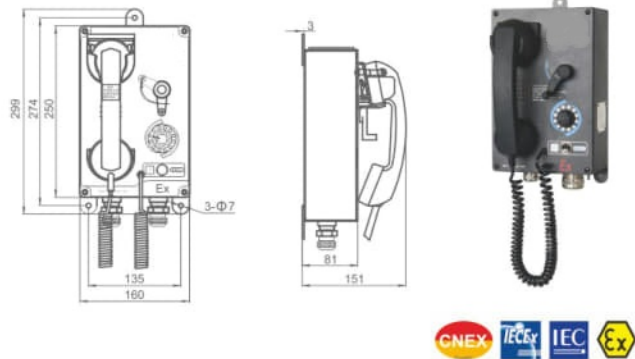
Explosive-proof Grade:  II 2G Ex ib IIC T4 Gb/

 II 2G [Ex ib Gb] IIC

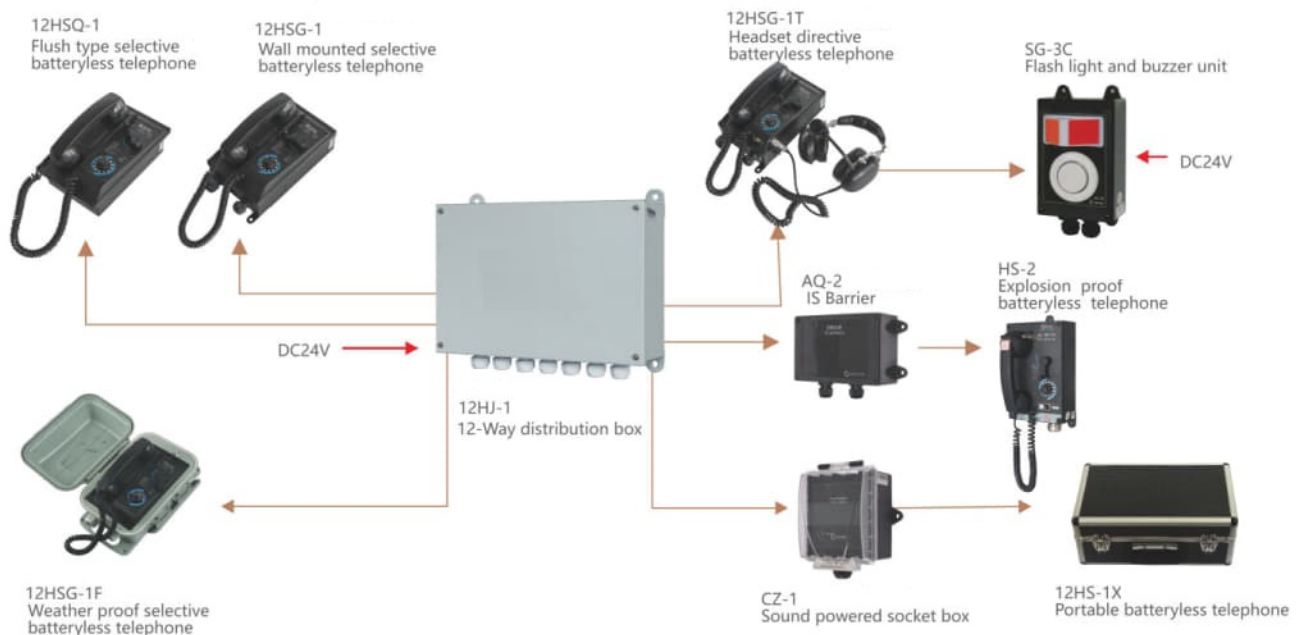
IP rating: IP44

AQ-2 Safety Barrier is Equipped with Explosion-Proof Batteryless Telephone

Straight-Through	H5Q-2E, H5G-2E, H5G-2ET
6-Set	6H5Q-2E, 6H5G-2E, 6H5G-2ET
12-Set	12H5Q-2E, 12H5G-2E, 12H5G-2ET
16-Set	16H5Q-2E, 16H5G-2E, 16H5G-2ET
24-Set	24H5Q-2E, 24H5G-2E, 24H5G-2ET

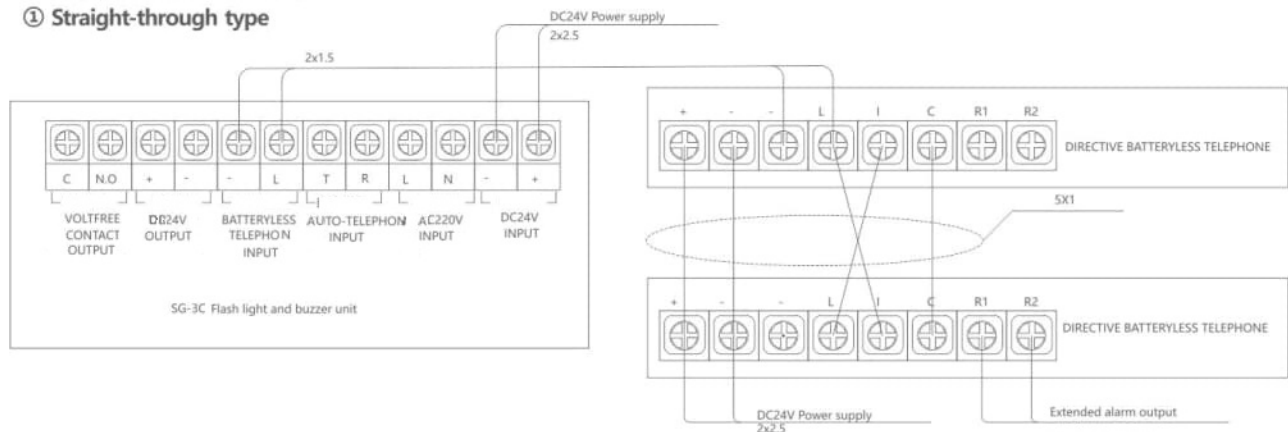


HS Series selective type system schematic diagram

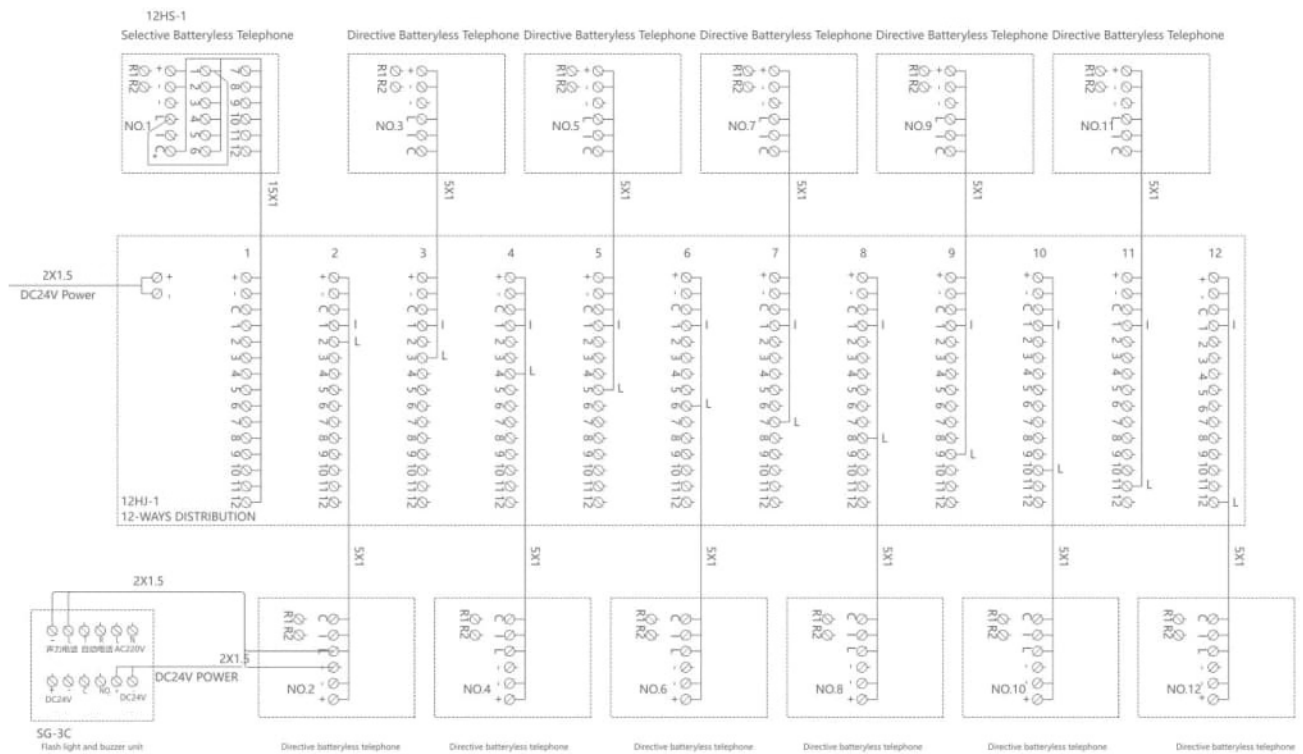


HS Series batteryless telephone system wiring schematic drawing

① Straight-through type



② Command type



③ Selective type

