

PUBLIC ADDRESS SYSTEM

HPA-9700 series

Public Address with Talkback System is designed for general announcing with advanced technology and complies with IMO regulation III/6.5 & Res. MSC.47(66) performance standards.

This system is also specially made to keep good performance under the harsh environment of vessel at sea.

For this system, paging function through auto telephone exchanger and talk-back function are available.

Interfacing with external general emergency alarm, fire alarm, air horn and signal light column are also available.

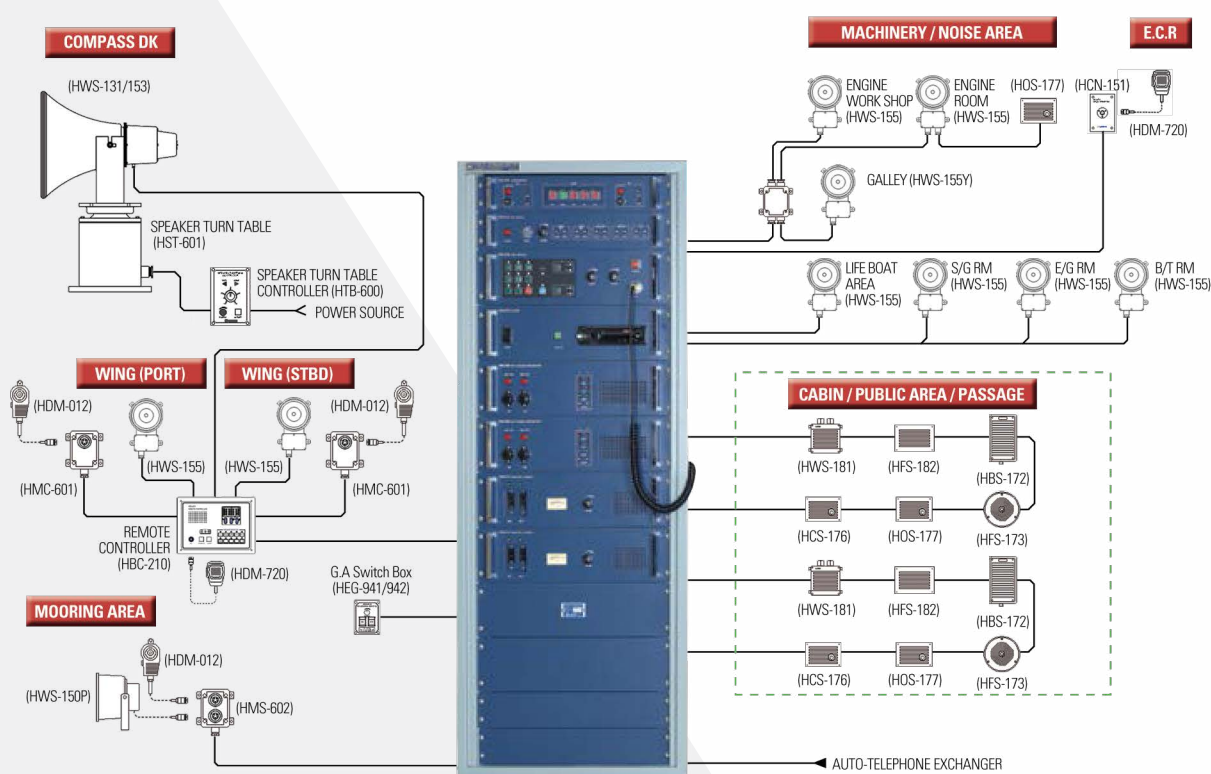
Registered in a patent for uninterrupted dual public address system by Korean Intellectual property office on 2003.

Type Approval by DNV GL, RINA and CCS

| System Feature |

- Flexible choice of output power and installation space
- Reliable and durable performance
- Simple installation and easy maintenance
- Convenient control with microprocessor and diode matrix
- Automatic main/em'cy power changeover
- Automatic main/sub amplifier changeover in dual system

| System Diagram |



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LOUD&CLEAR

| System Specification |

HPA-9700 Main Unit

- Single/Dual system
- Single/Dual rack type
- Output : 200W~2,000W
- Remote controller : Standard 6ea (Extension : 36ea)
- Master & Slave changeover/Two amp. run type
- Alarm generator : option
 - General emergency alarm
 - Fire alarm
 - CO₂ smoke alarm
 - Gas alarm
 - etc.
- GA muting
- Announcing priority : 12 class
- Auto-telephone paging call (all, group1, group2)
- Automatic main/em'cy power changeover
- Fault detector (system check)
- Operating temperature & humidity : -5°C ~ +55°C , 95%
- Frequency characteristic : 120~12000Hz within±6dB
- Distortion : less than 0.5%
- S/N Ratio : more than 55dB
- Power source : AC110/220V, 50/60Hz & DC24V
- Dimension(W x D x H mm) : 585 x 450 x 1500
(single rack/800W dual system)

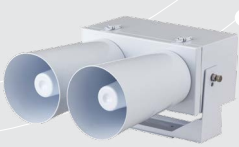


HBC-210 Remote Controller

- Call signal : 800Hz
- Microphone with volume
- Speaker selector : 9 group
- Dimmer : Speaker selector lamp brightness
- Monitor speaker with volume
- Flush or Wall mounting type
- Dimension(W x D x H mm) : 275 x 110 x 200

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ACCESSORIES

MODEL	HWS-133	HWS-153	HWS-131	HWS-155 / 155A2
WATER TIGHT SPEAKER				
MOUNTING TYPE	WALL	WALL	WALL	WALL
OUTPUT	200W / 300W / 400W / 600W	75W / 100W / 150W	30W / 50W	5W / 10W / 15W / 20W
IP GRADE	IP56	IP56	IP56	IP56
DIMENSION (WxDxH mm)	385 x 260 x 450	Ø390 x 488	Ø320 x 350	168 x 148 x 296
MATERIAL	ALUMINUM, SUS	ALUMINUM, STEEL	ALUMINUM, STEEL	POLYETHYLENE

MODEL	HWS-150PB	HWS-155AV / AV2 / BV2	HWS-181	HWS-182
WATER TIGHT SPEAKER				
MOUNTING TYPE	PORTABLE	WALL	WALL	FLUSH
OUTPUT	10W	5W / 10W	1W / 2W / 5W	1W / 2W
IP GRADE	IP56	IP56	IP56	IP56
DIMENSION (WxDxH mm)	181 x 151 x 199	170 x 148 x 296	180 x 75 x 179	195 x 105 x 135
MATERIAL	POLYETHYLENE	POLYETHYLENE	ABS	ABS

MODEL	HFS-173	HBS-172	HCS-176	HOS-177
CABIN & PASSAGE SPEAKER(N.W.T)				
MOUNTING TYPE	CEILING	BOTH SIDE	CEILING	ONESIDE WALL
OUTPUT	1W / 2W / 5W	2W / 5W	1W / 2W / 5W	2W / 5W
IP GRADE	IP20	IP20	IP20	IP20
DIMENSION (WxDxH mm)	Ø175 x 98	210 x 85 x 125	195 x 69 x 135	195 x 68 x 135
MATERIAL	POLYETHYLENE	ABS	ABS	ABS

MODEL	HES-020	HES-050
Ex. TYPE SPEAKER		
MOUNTING TYPE	WALL	WALL
OUTPUT	20W	50W
TYPE OF PROTECTION	Ex d IIC T6	Ex d IIC T6
IP GRADE	IP56	IP56
DIMENSION (WxDxH mm)	158 x 240 x 224	404 x 494 x 382
MATERIAL	ALUMINUM	ALUMINUM

MODEL	MFD-178
METAL FIRE DOME	
MOUNTING TYPE	CEILING
DESCRIPTION	for HFS-173
TEST STANDARDS	IMO Res. MSC. 307(88):2010
FIRE RESISTANCE	B0 CLASS
DIMENSION	Ø168 x 116
MATERIAL	STEEL 1.2T

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ACCESSORIES

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MODEL	HMC-601	HMC-601A / B	HMS-602A / B	HJB-902 / 903 / 904
WATER TIGHT JUNCTION BOX				
MOUNTING TYPE	FLUSH	WALL	WALL	WALL
IN USE	MICROPHONE	MICROPHONE	MICROPHONE	-
IP GRADE	IP56	IP56	IP56	IP56
DIMENSION (WxDxH mm)	120 x 46 x 160	155 x 112 x 190	157 x 112 x 190	155 x 80 x 230
MATERIAL	UNSATURATED POLYESTER	UNSATURATED POLYESTER	UNSATURATED POLYESTER	UNSATURATED POLYESTER

MODEL	HEG-941D	HEG-941F	HEG-941W	HEG-942F	HEG-942W
G.E.A SWITCH BOX (N.W.T)					
MOUNTING TYPE	FLUSH	FLUSH	WALL	FLUSH	WALL
DESCRIPTION	AUTO / MANUAL	AUTO / MANUAL	AUTO / MANUAL	AUTO	AUTO
DIMMER	0	X	X	X	X
IP GRADE	IP20	IP20	IP20	IP20	IP20
DIMENSION (WxDxH mm)	80 x 90 x 120	80 x 73 x 120	80 x 60 x 120	80 x 87 x 120	80 x 60 x 120
MATERIAL	STEEL	STEEL	ABS	STEEL	ABS

MODEL	HEG-941W	HEG-942W	MODEL	HCN-151	HCN-251
G.E.A SWITCH BOX (W.T)			MICROPHONE JUNCTION BOX		
MOUNTING TYPE	WALL	WALL	MOUNTING TYPE	FLUSH	FLUSH
DESCRIPTION	AUTO / MANUAL	AUTO	IN USE	MICROPHONE	MICROPHONE
DIMMER	X	X	IP GRADE	IP20	IP20
IP GRADE	IP66	IP66	DIMENSION (WxDxH mm)	80x 79 x 120	80 x 72 x 120
DIMENSION (WxDxH mm)	185 x 90 x 177	185 x 90 x 177	MATERIAL	STEEL	STEEL
MATERIAL	ABS	ABS, POLYESTER			

MODEL	HDM-012	HDM-720
MICROPHONE		
MOUNTING TYPE	HANDY	HANDY
CABLE CORD	0.75m / 5m / 10m / 15m / 20m / 25m / 30m	
IP GRADE	IP66	IP20
DIMENSION (WxDxH mm)	65 x 47 x 145	58 x 32 x 94
MATERIAL	ABS	ABS