

SOUND RECEPTION SYSTEM

HSR-1400

The HSR-1400 Sound Reception System is designed for general announcing with advanced technology, and complies with the IMO Res.MSC.191(79), IMO Res A.694(17), SOLAS Reg.V/19, IEC 60945(2002), ISO 14859(2012), IEC61162 series, IEC62288-ed2(2014) performance standards.

The HSR-1400 system consists of:

- SRM-141, Main Control and Display Unit
- SRR-142, Microphone Unit
- SRD-143, Remote Display Unit (optional)

The system will receive sound signals in the audio band 70Hz-2100Hz, digitally process them to remove unwanted noise and reproduce these incoming signals acoustically inside the bridge. This system will indicate the approximate direction of the inbound signals using 8 led (light emitting diodes) on the front panel.

Type Approval by USCG and RINA
MED Module-B / D by RINA

| System Feature |

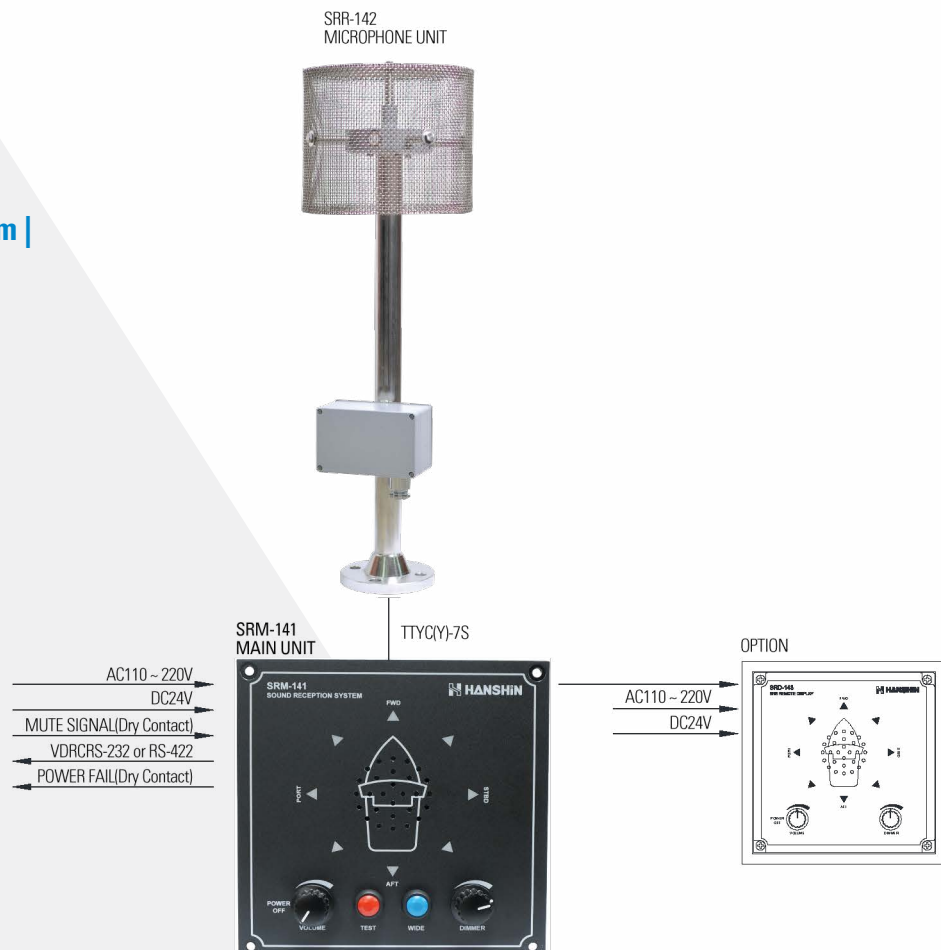
Main Control and Display Unit (SRM-141)

- Easy operation
- SRR-142 interface connection
- Built-in loudspeaker and Wide function
- 8 Direction indicator
- Loudspeaker volume control and power on/off
- Direction and activity indicator LED's dimming control
- 3 Mute circuits
- Self-test functionality
- Connection for power supply DC24V and AC110 ~ 220V
- External power fault output (dry contact) connection

Microphone Unit (SRR-142)

- Simple installation with only one microphone unit
- Condenser microphone for very good reception in the required audio band
- Digital signal processing algorithms
- Active noise rejection of in-band noise

| System Diagram |



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LOUD&CLEAR



| System Specifications |

SRM-141 Main Control and Display Unit

- Operational Voltage : AC110~220V and DC24V
- Power Consumption : 24V / 3.6W(if there is no sound), 14W(if there is a sound)
- Frequency Range : 70-820Hz
- Wide Frequency Range : 70-2100Hz
- Color/finish : Black
- Internal loudspeaker output power (max) : 5W
- Internal loudspeaker impedance (min) : > 8 Ohm
- Operating temperature & humidity : -25°C ~ +55°C, 93%
- 8-Directions, 45 Degrees, ±5 Degree deviation
- Dimension(W x D x H mm) : 175 x 163 x 175



SRR-142 Microphone Unit

- Operational Voltage: DC±12V
- Ambient noise level: 57dB(A), The whistle must come in over ambient noise.
- Protection: IP66
- Operating temperature & humidity: -25°C ~ +55°C, 93%
- Dimension : Ø255 x 804