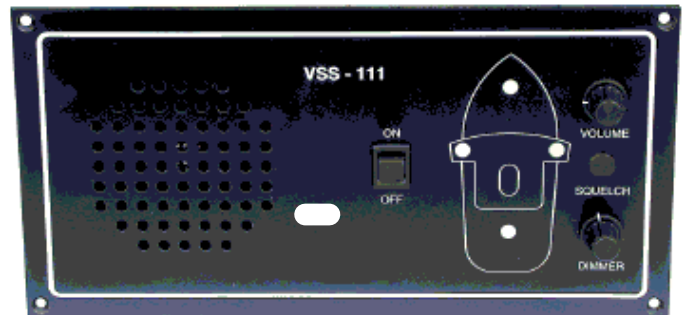


Sound Reception System

The VSS system is an acoustical electronic navigational aid that enables the officer on watch to hear sound signals from other ships or fog horns when standing inside a totally enclosed bridge space.



Features

- The system is easy to operate
- The system has input for remote muting of the amplifier circuit when the vessel's own horn is activated
- The system noise muting by squelch function
- The system has manual dimmer control
- Sector indication by use of LEDs
- The system has input for four VSS-222 microphones
- The microphones are waterproof, and for bulkhead mounting outside the wheelhouse

Description

The system is monitoring, according to requirements, frequencies between 70 and 820 Hz.

Four, VSS-222 weather proof microphones are mounted outside the wheelhouse and connected to the VSS-111 auto amplifier and load-speaker within the bridge.

By use of four microphones the VSS system will detect the direction of the incoming signal and activate the corresponding LED at the VSS-111 front panel.

The four microphones operate in pair depending on the direction of the received sound signal.

The microphone first detecting the sound will be registered and it will lock against the influence from the other microphones. This will repeat each time a signal is strong enough to trig the detector.

Standards Applied

The equipment is designed to conform to the following standards:

- IMO resolution A.694 (17)

CE Marking

The equipment conforms to the relevant EU directives.

Type Approval

The Sound Reception system is type approved by:

- Det Norske Veritas (DNV) No.A-7886
- RINA No.ELE/1083002/2
- Bureau Veritas No.10754/A0 BV

Dimensions

	Height	Width	Depth	Weight
VSS-111:	140mm	280mm	90mm	1.0kg
VSS-222:	158mm	40mm(diameter)		0.9kg

Electrical

Operating voltage: 24 VDC

Environmental Specifications

VSS-111

Material: Anodized aluminium
IP rating: IP 44
Colour: Black

VSS-222

Material: Anodized aluminium
Mounting, bracket: Stainless steel
IP rating: IP 65
Colour: Grey

Technical Specification

VSS-111

Frequency range: 70-700 Hz
S/N ration: > 60dB
THD-N: > 1%

VSS-222

Frequency response: 80-13000 Hz
Microphone element: RE50 Electro Voice dynamic
Polar pattern: Omni-directional
Impedance: 150 ohms
Connections: Cable 1.5 m

Article Numbers

Sound Reception Panel - VSS-111: 4602832
Sound Reception Microphone - VSS-222: 4600601

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