

VINGTOR VSS-V2

Sound Reception System



when communication is **critical**

FEATURES

- **Active noise cancelling and tone detection based on DSP technology**
- **Dimmer and adjustable backlight**
- **Sector indication by use of 8 LEDs**
- **Central microphone unit with 4 directional microphones for mounting on top of the wheelhouse**
- **Web interface for system operation**
- **Output for voyage data recorder**
- **Remote muting when typhoon or Public Address system is activate**
- **Override function to hear the unfiltered sound from the microphone unit**
- **Able to connect up to 4 slave panels**

DESCRIPTION

The VINGTOR Sound Reception (VSS) system is a navigation aid system required on ships with enclosed bridge. The system enables the officer in charge of the navigational watch to hear sound signals and determine their direction. The VSS-V2 is according to the Solas regulation (HSC code)

To improve operation and detection of sound signals, the VINGTOR VSS system utilizes DSP technology. The DSP (digital signal processor) provides active noise cancellation to remove background noises in order to hear external noise signals better and to remove un-wanted noise from the bridge.

The VSS system is easy to install. The system consists of one microphone unit with four integrated directional microphones for mounting on top of the wheelhouse. On the bridge you will install the VSS main panel. The bridge main panel have interface to up to four slave panels, to the Voyage Data Recorder (VDR) and a relay output for muting the typhoon and public address system

APPROVALS

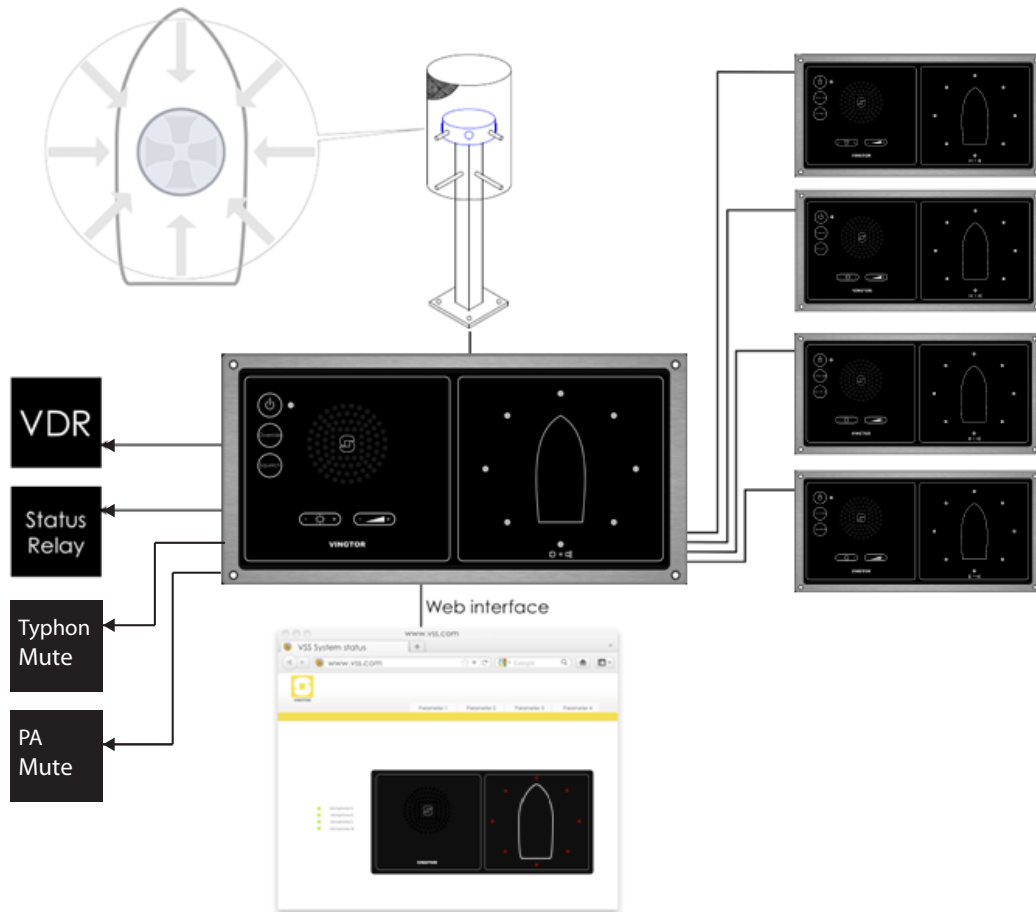
The VSS-V2 is monitored according to ISO 14859:2012 performance approval and DNV 845.50 (6/2012) type approval programme



VSS-V2 SYSTEM SPECIFICATION

VSS Master Panel - V2	
Dimensions (WxHxD)	280 x 140 x 90 mm
Mounting	Flush
Housing	Brushed aluminum with foil
IP rating	IP-22
Operation voltage	24 V DC
Audio	70 Hz to 2'100 Hz Active noise cancellation Adjustable volume Squelch to adjust the automatic threshold
LEDs	8
Buttons	Power, Override, Squelch, Dimmer, Volume
Operation voltage	24V DC +30% / -10%
Curent load Master & Mic Including 1 slavepanel	Max. 200mA Max. 270mA

VSS Slave Panel - V2	
Dimensions (WxHxD)	280 x 140 x 51 mm
Power	Internal from the master panel
Mounting	Flush
Housing	Brushed aluminum with foil
IP rating	IP-22
Operation voltage	24V DC
LEDs	8
Buttons	Override, Dimmer, Volume
VSS Microphone Unit - V2	
Housing	Stainless steel
IP rating	IP-66 / 67
Environment	-30°C to +55°C
Directional microphones	4
Power	Internal from the master panel



SYSTEM MODELS

ORDER NUMBER	TYPE	DESCRIPTION	SHIP WEIGHT
1021001100	VSS-MP	VSS Master Panel - V2	1.300 kg
1021001200	VSS-SP	VSS Slave Panel - V2	0.750 kg
1021002100	VSS-MU	VSS Microphone Unit - V2	8.200 kg