

## VSS-V2

### SOUND RECEPTION SYSTEM

#### 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/foghorn is activated**
- **Override function to hear the unfiltered sound from the microphone unit**
- **Able to connect up to 4 slave panels**

#### DESCRIPTION

The Sound Reception (VSS) system is a navigation aid system required on ships with enclosed bridges. The system enables the officer in charge of the navigational watch to hear sound signals and determine their direction. The system Comply with following Regulations / Standards: Annex A.1, item No.A.1/4.58 and Annex B, Module B in the directive. SOLAS 74 as amended, Regulation V/18, V19 & X/3, IMO Res.A.694(17), 2000 HSC Code, IMO Res. MCS. 86 (70) & 191 (79)

To improve operation and detection of sound signals, the 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 unwanted 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. The VSS main panel is installed on the bridge. The bridge main panel interfaces with up to four slave panels, the Voyage Data Recorder (VDR) and a relay output for muting the typhoon/foghorn.



#### TYPE APPROVED:

THE VSS-V2 SYSTEMS IS TESTED ACCORDING TO IEC60945 AND TYPE APPROVED BY DNV-GL,CCS,LR,RINA,RMRS,BR, ABS



Lloyd's Register

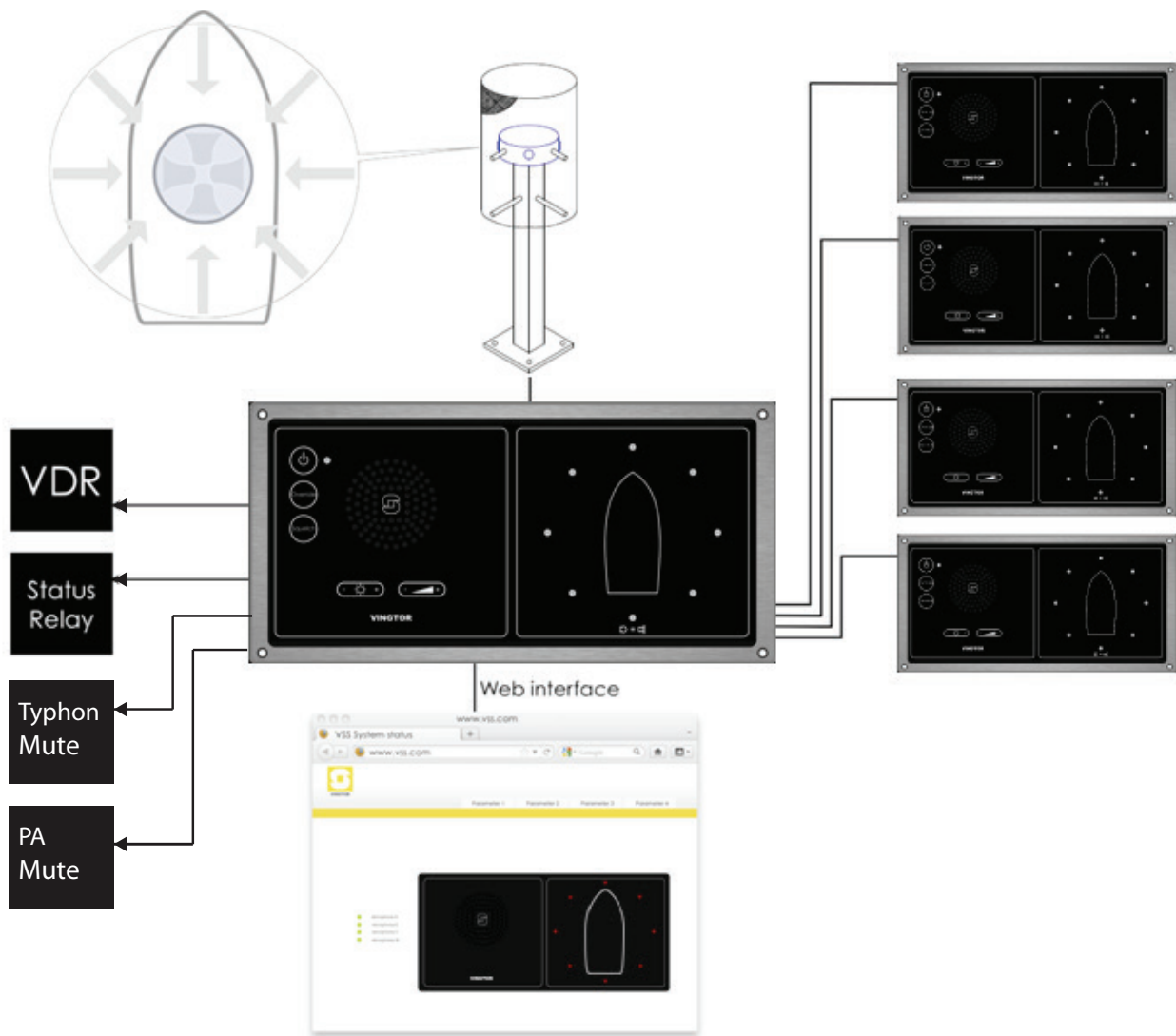


DNV-GL

CERTIFICATE NO: MED-B-9492 ECTYPE EXAMINATION CERTIFICATE

CERTIFICATE NO: MED-D-2016 QS - CERTIFICATE OF ASSESSMENT - EC





## SYSTEM UNITS

ORDER NUMBER	DESCRIPTION
1021001100	VSS-MP VSS Master Panel - V2
1021001200	VSS-SP VSS Slave Panel - V2
1021002100	VSS-MU VSS Microphone Unit - V2
2990000032	CPM-SNT-120-5 Power supply 100-240VAC/24VDC 5A
2990000041	PROMAX-120-24 Power supply 100-240VAC/24VDC 5A