

Sound reception device SRD414/4

General Features

The SRD414/4 is an acoustic electronic navigational aid to enable the officer on the watch to perceive incoming sound signals inside a totally enclosed bridge in order to perform the look-out function as required according to the Colreg 1972. The device is in conformity with the rules of SOLAS Chapter V Resolution MSC.99(73), Regulation 18 and 19, the DNV NAUT-A and the ISO 14859 (2012) Standard. The system is capable of receiving sound signals from all directions in the audio band 70 Hz to 2100 Hz, reproducing incoming sound signals acoustically and visually inside the bridge. It consists of one microphone sensor unit and one master control unit incorporating optic display and loudspeaker.



Essentials

- DNV GL / MED type approval
- digital technology
- simple installation, not requiring any calibration
- muting of vessel's own signal
- effective noise suppression securing reliable system performance
- accurate direction detection of incoming signals
- clearly visible and hearable direction indication
- easy to operate
- entirely made of best non-corrosion, seawater-resistant materials
- maximum system extension with 4 slave panels
- system voltage 24 V DC



Advantages

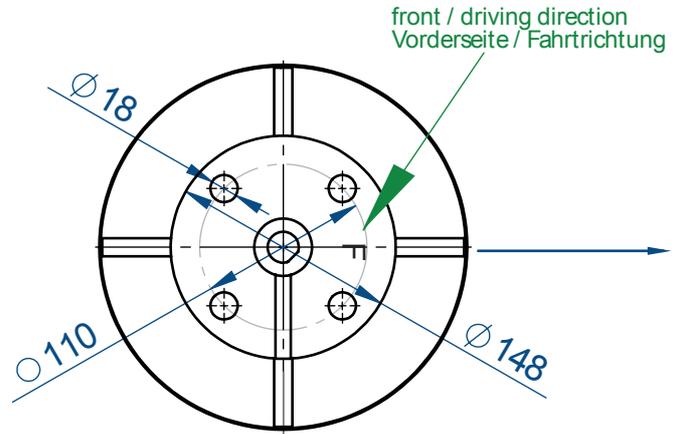
The combination of customer friendly design and highest technical standard is based on our long experience - ZÖLLNER Signal GmbH is the pioneer in sound reception technology with the first applications installed on board of seagoing vessels years before the adoption of the international rules. Through continuous improvement the system is at the latest technical stand.

Functional Characteristics

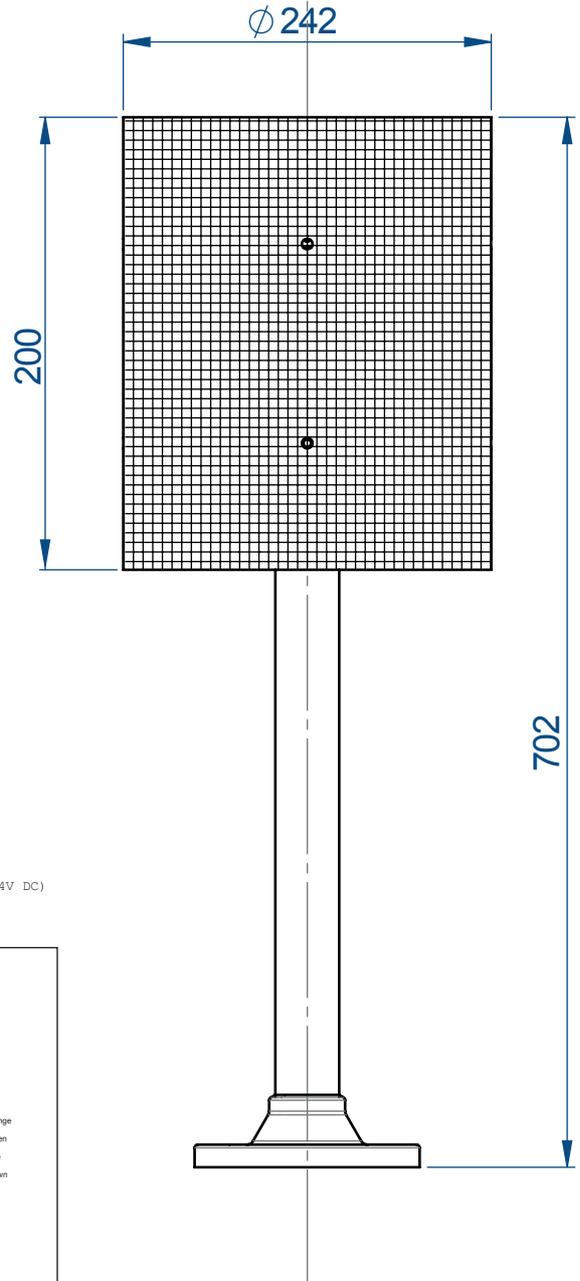
Incoming sound signals are electronically scrutinized and further processed for optic and visual reproduction on the bridge display.

Installation

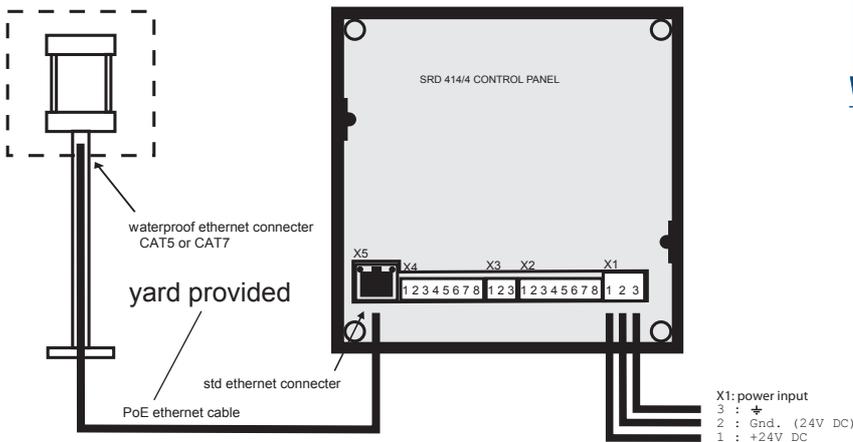
The microphone sensor unit is to be installed in such a way that it is as far away from noise sources in the ship as is reasonably practicable and wind induced noise and mechanical vibrations are reasonably reduced. The display is to be installed so that it is visible at least from the conning position and that incoming sound signals are audible at all positions inside the bridge.



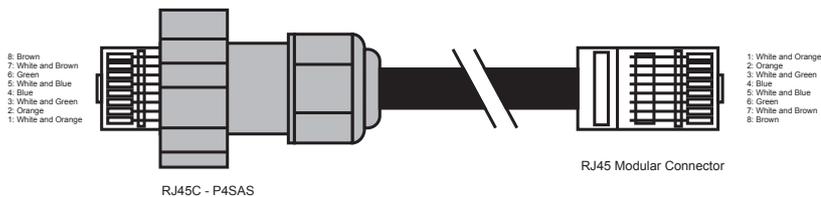
Einbauöffnung: 138 x 138mm Einbautiefe: ca. 160mm
 Hole for Installation: 138 x 138mm Plug in depth: ca. 160mm
 IEC 60945, 4.4.b) protected from the weather



connection example



standard ethernet cable wiring pattern (T568B)



not included in scope of supply

- Kompassschutzabstand/ Safe distance to the :
- Magnet-Regelkompass / Standard magnetic compass (Bedieneinheit / panel) 2.30m
 - Magnet-Steuerkompass / Steering magnetic compass (Bedieneinheit / panel) 1.40m
 - Magnet-Regelkompass / Standard magnetic compass (Mikrofoneinheit / Micro mast) 0.60m
 - Magnet-Steuerkompass / Steering magnetic compass (Mikrofoneinheit / Micro mast) 0.40m