



Functions

- Alarm group indicators.
- Repeat alarm indicator.
- Indicating and accepting the transfer of machine watch responsibility to/from the bridge.
- Call the on-duty engineer at his quarters at any time.
- Self-check function with “system failure” indication
- Buzzer, sound off and test function.
- Alarm Summary
- Date & Time indication
- Option: Points Summary (max. 30 configurable tags)

Description

The Kongsberg Maritime Watch Bridge Unit LCD Version (WBU/LCD), is a unit required to run an unmanned engine room. Its main functions are to indicate engine room alarms on the bridge, to indicate and accept the transfer of machine watch responsibility to and from the bridge.

For alarm presentation, the WBU/LCD is equipped with a Liquid Crystal Display in addition to 4 group-alarm lamps.

Each WBU/LCD is capable of displaying 4 lines by 40 characters. The information displayed is arranged into selectable pages: Alarm Summary, Points Summary and Date & Time.

The system will automatically switch to Alarm Summary at an alarm event. The alarms can be grouped according to the customer's specification.

A separate section of the panel is used for selecting and accepting the machinery watch responsibility (Bridge, ECR, On-duty Engineer) and for direct calling of the duty engineer on watch.

The WBU communicates with the main computer unit in the K-Chief alarm system using a high speed communication network (CAN). A redundant solution with automatic changeover to another main computer unit in case of failure can be provided.

Features

- One combined bridge alarm and watch calling panel
- 1 LCD display
- 4 group alarm lamps
- 1 common machinery alarm lamp
- 1 repeat common machinery alarm lamp
- 1 system failure lamp
- 1 buzzer
- 1 buzzer sound off button
- “Acknowledged from cabin” indication
- 2 lamps for attended/unattended engine room indication and selection
- 8 engineer on-duty lamps
- 1 “call engineer on duty” button

Supply voltage

- 18 - 32 VDC

Power consumption

- 6 W

Operating temperature

- -15°C to +70°C

Storage temperature

- -30°C to +80°C

Max. rel. humidity

- 97% no-condensation

IP Code

- IP 22

ENV properties

- IACS E10
- IEC 60945

Vibration

- 1 G

Weight of unit

- 1.4 kg

Mounting

- Screws (4 pcs M4)

Dimension

- Outline: W240 x H144 x D50 mm
- Cut out: W211 x H138 mm

Type Approval

- DNV, LRS, BV, GL, RINA, NK, ABS, KR, RMR, CCS (part of K-Chief certification)

