

Description

The Watch Cabin Unit LCD Version (WCU/LCD), is a unit required to run an unmanned engine room. Its main functions are to indicate engine room alarms in the engineer on duty's cabin and in the public quarters while in bridge control.

For alarm presentation, the WCU/LCD is equipped with a Liquid Crystal Display in addition to 4 group-alarm lamps. Each WCU/LCD is capable of displaying 4 lines by 40 characters.

The information to be 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 customers specification.

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

Functions

- Alarm group indicators
- Repeat alarm indicator
- Indication of engineer on duty
- 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
- Date & time indication
- Fire alarm indicator

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
- Fire alarm buzzer and LED

Supply voltage

- 18 - 32 VDC

Power consumption

- 5 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

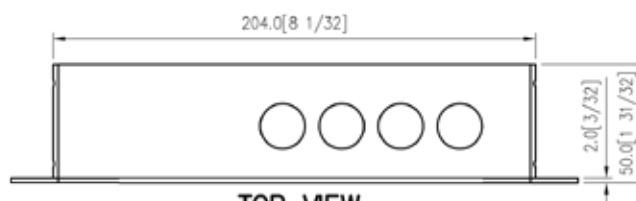
- Screws (4 pcs M4)

Dimension

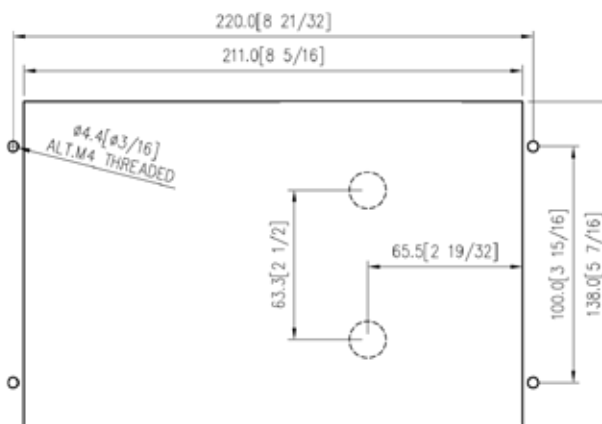
- Outline: W240 x H144 x D50 mm
- Cut out: W211 x H138 mm

Type Approval

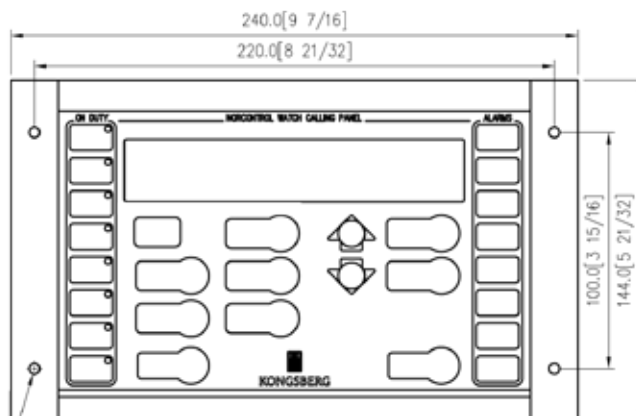
- DNV, LRS, BV, GL, RINA, NK, ABS, KR, RMR, CCS (part of K-Chief certification)



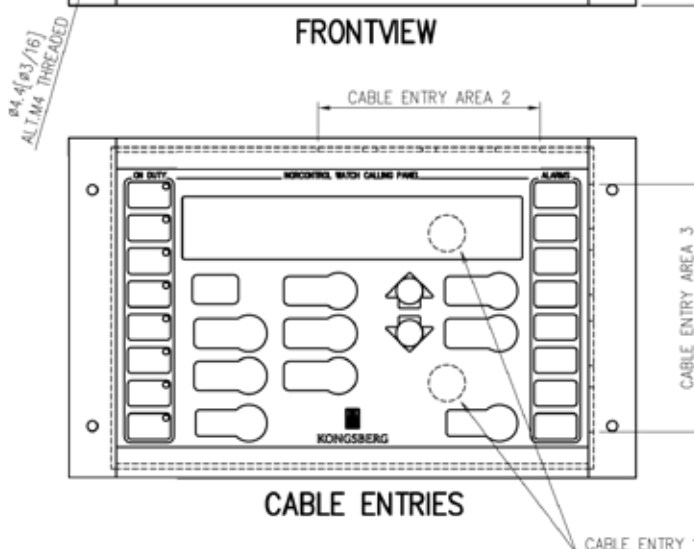
TOP VIEW



CUTOUT



FRONTVIEW



CABLE ENTRIES