

Midi Operator Station

General description

The Midi Operator Station (MOS) is a multipurpose operator station designed to be placed anywhere on the ship, even out on deck. It allows alarm indication, process control and power management. Operation is performed through a set of function keys and a high resolution colour graphical display. For small alarm systems it can be the only operator station. The Midi Operator Station contains a symbol library for presentation of process control equipment and uses these to display standard mimic diagrams.



Functions

The Midi Operator Station will give the operator the possibility to:

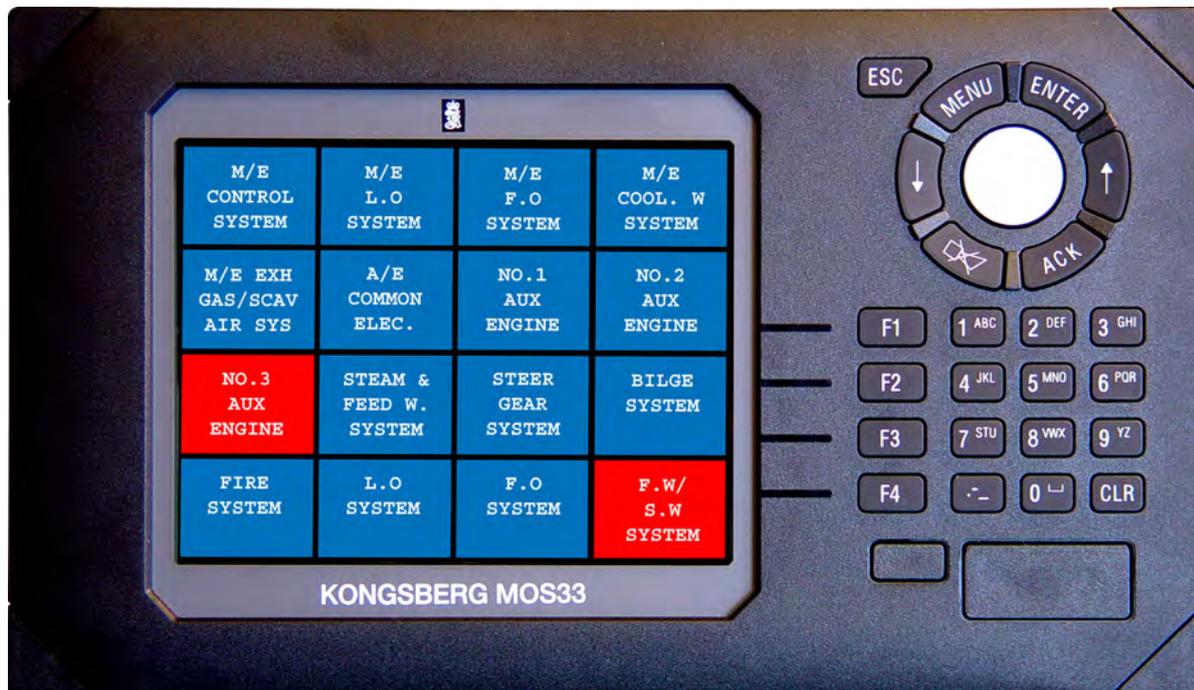
- Monitor the status of an object, all from a single input signal to a controllable object.
- Be informed of any process- or system alarm, by means of visual and audible signals.
- 2x relay output.
- Control the process by means of built-in pushbuttons and graphical feedback.
- Reconfigure the distributed database located in the DPUs, by means of numeric and alphanumeric inputs.

Keyboard

The operators interact with the display through the keyboard. The keyboard consists of the following:

- Menu and orientation keys.
- Function keys F1 – F4.
- Numeric and alphanumeric keys.
- Key for SOUND OFF.
- Key for acknowledge of alarms.





The figure illustrates the MOS with 16 alarm groups. Flashing red indicates unacknowledged alarms, while constant red indicates acknowledged alarms within the group.

Technical specifications

Power requirements

- Supply voltage: 18-32 VDC, $\pm 5\%$ ripple
- Power consumption: 10W

Environmental requirements

- Operating temperature: $-15\text{ }^{\circ}\text{C}$ to $+70\text{ }^{\circ}\text{C}$
- Storage temperature: $-25\text{ }^{\circ}\text{C}$ to $+70\text{ }^{\circ}\text{C}$
- Maximum humidity: 96% non-condensing

Display

- TFT colour, power backlight: 5.7" 320 x 240 pixels

Weight of unit

- 1.5 kg

Dimensions

- Outline: 252 x 144 x 70mm
- Cutline: 242 x 134mm

Mounting

- Bracket for table, ceiling and wall. Flush mount with removable corners.

Shock and vibration

- DNV Class B, IACS E10 (Direct mount on engines, compressors etc.)

EMC properties

- According to IACS E10, IEC 60 945

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