BROCHURE

Oil Level Alarm
OLA400

Daniamant design and manufacture all of our products in line with the relevant worldwide approvals, technical specifications, current legislation and International directives.

Our mission is to achieve World class performance through partnerships with our suppliers, customers and employees, providing products and services that enhance the safety and security of our customers.

Daniamant products cover 12 key areas:

- Lifejacket Lights
- Liferaft Lights
- Lifebuoy Lights
- Intrinsically Safe Lights
- Special Lights
- LED Flares
- Forward Looking Sonars (FLS)
- Bridge Navigational Watch Alarm System (BNWAS)
- Salinometers
- Oil Level Alarm
- Electronic Inclinometer
- Agency for a range of world-renowned safety product brands (supplied to the Danish market)

Further Information
For further information on our products, please see our website: www.daniamant.com

Function
The Oil Level Alarm OLA400 can, when installed in a boiler system's hot well, detects the occurrence of potentially critical oil. If oil is detected a visual alarm indication will be shown on the control box and further relays are available to output the alarm to any central alarm system.

OLA400

Typical Use
The most critical water contamination in a ship's boiler system is oil entering the steam or condensate from leaking tank coils or heat exchangers. The boiler could be completely destroyed due to overheating of the furnace.
The hot well can easily be equipped with OLA400 which will continually detect oil occurrence. This can ensure that oil can be detected before it enters the feedwater section.

Sensor unit

Mains Supply
85-265 VAC, 50-60 Hz, and 24 VDC (+12/-6 VDC).

Mains Current
Mains supply must be secured against overcurrent externally.
Max. 100mA for 115-230 VAC supply.
24 VDC must be secured against overcurrent externally with a fuse of maximum 250 mA.

Power Consumption
Max. 3.5 W

Build in Test-Function
Self-test on start up.

Response Time
Approx. 20 sec. (adjustable)

Alarm Level
ON/OFF

(All specifications are subject to change without notice)

Daniamant
Be safe at sea

OLA400-B02Issue 2 - D-0727

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Sensor Disconnected

Alarm indicating an incorrect connection to the sensor or defective sensor unit.

Cable Connections

Terminal 1 - 5: Sensor unit
Terminal 6 - 8: Relay contacts for ALARM RELAY 1
Terminal 9 - 11: Relay contacts for ALARM RELAY 2
Terminal 12 - 13: 24 VDC supply
Terminal 14 - 15: Mains Supply

Relay Contacts

8A / 230 VAC. Relays must be protected by external fuses.

Ambient Temperature

0 – 55 ° Celsius (Oil Level Alarm Control Box)
0 – 95 ° Celsius (Sensor Unit)

Pressure

Max. continuous operational pressure 2 bar. (Pressure safety limit 10 bar.)

Sensor Installation

¾“ BPST thread.

Control Box Dimensions

W x H x D: 222 x 125 x 60mm

Control Box Rating

IP66/67

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