



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 Inclinator
- Agency for a range of world-renowned safety product brands (supplied to the Danish market)

### 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.

### 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.

### 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



OLA400



Sensor unit

## 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

$\frac{3}{4}$ " BPST thread.

## Control Box Dimensions

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

## Control Box Rating

IP66/67