

Installation of the Leakage Alarm System

1. Installing a Leakage Alarm System requires preparations. First step is to determine suitable positions for the detectors. Equipment, such as oil treatment facilities; heaters, filters, strainers, purifiers, clarifiers, homogenisers, pumps, tanks etc. and around main- and auxiliary engines and in funnels are the most obvious locations for detectors. Other relevant areas are applications characterized by higher oil- temperatures or pressures. In each case the number of detectors to be installed varies, depending on the size and layout of the particular application.

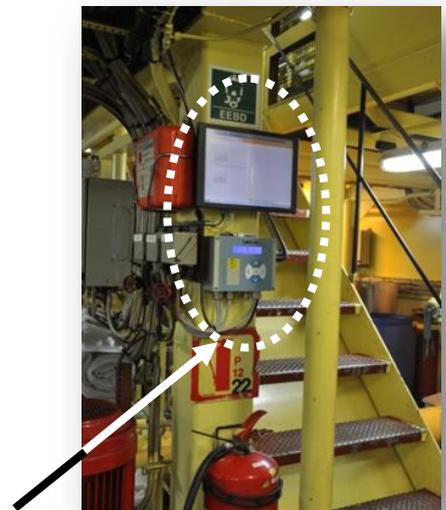


2. Next step is to verify air movements in relation to the application. Prior to installation a smoke test should be performed, with all engines, ventilation and additional machinery fully operational, to ensure that detectors are correctly positioned. In general, air will move towards ventilation extractors and turbo chargers and detectors should therefore be positioned as close to the machinery as possible. Likewise detectors should not be installed next to ventilation blowers as these will prevent mist formations and hydrocarbons from being drawn into the unit.



3. The control unit, PSU (Power Supply Unit), and monitor are all designed to be mounted within the engine room or the engine control room. The control unit should be located as close to the detectors as possible, preferably in a distance no longer than 250 m. (cable length). In the interest of crew familiarization and accessibility, be sure to mount the control unit in, or next to, high traffic areas such as engine control rooms, stairways, elevators and ladders.

The position of the control unit and monitor must be sited for optimum visibility of the display and sufficient space must be left around the components to allow the fitting of glands and cables, and to facilitate easy access



4. The detectors are designed to be mounted in the engine room and should be located as close to the relevant application as possible. In the interest of accessibility, during e.g. maintenance, be sure to mount the detector in, or next to, high traffic areas and in a reasonable height if possible.



Avoid installing detectors where:

- vibration is excessive
- extreme temperatures may be experienced
- maintenance will be difficult
- high levels of humidity and water may occur
- a risk of electromagnetic interference may occur