

# High Level and Overfill Alarm System

## for all types of liquid cargoes (incl. LPG and LNG)



**Vimex Overfill alarm systems are designed for optimal operation and trouble free service life.**

Level switch NOR 4082 has a titan float, but can also be delivered in acid-proof material. The overfill alarm is extremely durable and capable of handling most cargoes incl. LPG and LNG.

The titan float moves with the liquid cargo level to activate the reed switch. Each switch / alarm circuit is separately fitted with an intrinsically safe relay / zener barrier.

Replacement of reed switch innertube from tank top without removing the installed unit - no need of gas freeing the tank. The new design is not length-specific, since only the tip is replaced.

The spare sensors can be cut and used for different alarm levels.

- Approvals from all major classification societies
- For all kinds of liquid cargoes including LPG and LNG
- Designed for up to three levels (e.g. 95 - 98.5 - 99%)
- Easy to install and operate
- Long trouble free service life
- 2 years warranty
- Renewing sensors without gas freeing
- Ship classification society: CCS, BV, DNVGL, LR and NK.
- CENELEC standards: EN 50081-2, EN 50082-2



Vimex NOR 4082 High Level Alarm System is a PLC based monitoring system. All high level alarms are separate and individually indicated on an alarm panel with reference to each specific tank and alarm level.

Vimex NOR 4082 PLC system can be equipped for slave connection on a network with MODBUS RTU, BIT BUS or TIWAY protocol. The alarm signals are given by magnetic float operated high level alarm switches, type NOR 4082 located at each tanktop.

Cabinet materials;

- Cold rolled corrosion treated steel plate
- Final coating: Epoxy varnish
- Colour: RAL 7035 Grey or by customer defined.

Alarms:

- Multi stage level alarm
- Low flow alarm

Communication:

- Hard wired
- Serial interface RS-485 / TCP
- Fieldbus

Power supply:

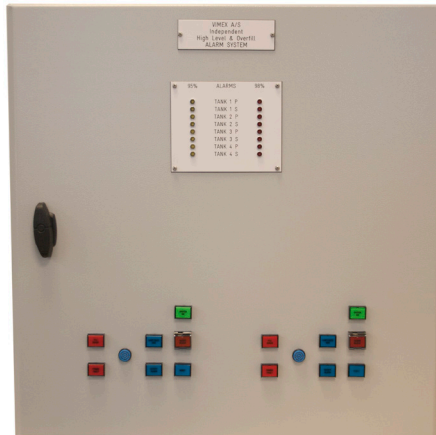
- 110/230 VAC, 50/60 Hz @ 10 A
- 600 VA (max)

Environmental specifications:

- Ambient temperature -25 °C to +70 °C
- Humidity relative up to 100 % at all relevant temperatures
- Vibration 0.7 g

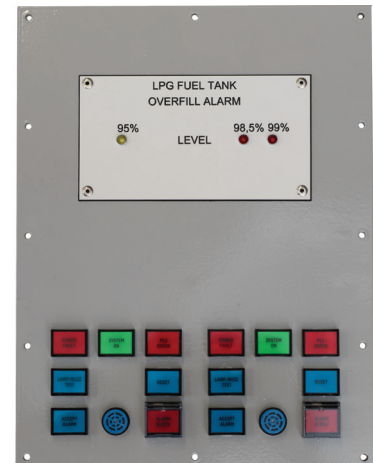
Type approval

- DNV GL



*Cabinet*

*with alarm overview on each tank*



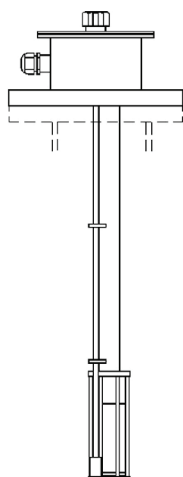
*Panel*

*with alarm overview on each tank*

### Three types of switches

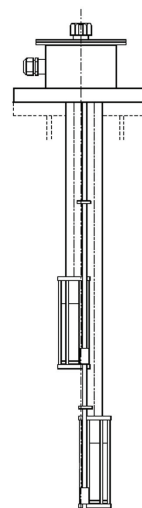
#### NOR 4082-S (single)

operating at one fixed alarm level of each tank (98% or overfill alarm).



#### NOR 4082-D (dual)

operating separately and independently at two fixed alarm levels (95% and 98% levels)



#### NOR 4082-T (triple)

operating separately and independently at three fixed alarm levels (95%, 98% and 99% levels)



*Please note that datasheet specifications are subject to change without prior notice!*