



High Level and Overfill Alarm System



Features

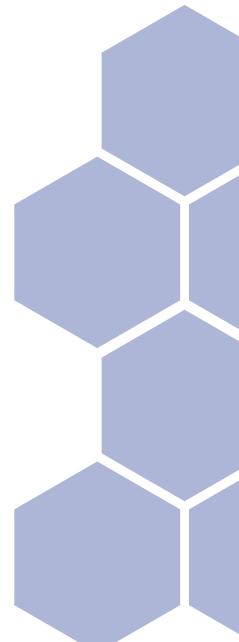
- High Reliability
- Self Monitoring
- Manual – Test Device
- Easy Setting and Installation
- Easy and Low Maintenance
- Intrinsically Safe Design
- Class NK Type Approved
- Class Approval by other major classification societies

Principle of Operation

High Level and Overfill Alarm is designed using the magnetic float switch principle which has been proven very effective. Each system consists of the RFS float switch and alarming panel. Reed switches inside the stem are activated by the permanent magnetic inside the float which rises and falls with the changes of liquid level. Once the reed switches are activated, it sends an alarm signal to the indicating unit in the control room.

Application

HLAS is developed to comply with IMO regulations for Cargo High and High High Level Alarm. The sensors are designed to withstand extreme environmental conditions on a ship's deck and in cargo tanks. It is suitable for use in marine and offshore installations in chemical parcel tankers, chemical / product tankers, oil tankers, FSO, FPSO etc. Land-based system catered for the petrochemical, refinery and process installations are available.



Remarks : Specifications are subject to change without any prior notification



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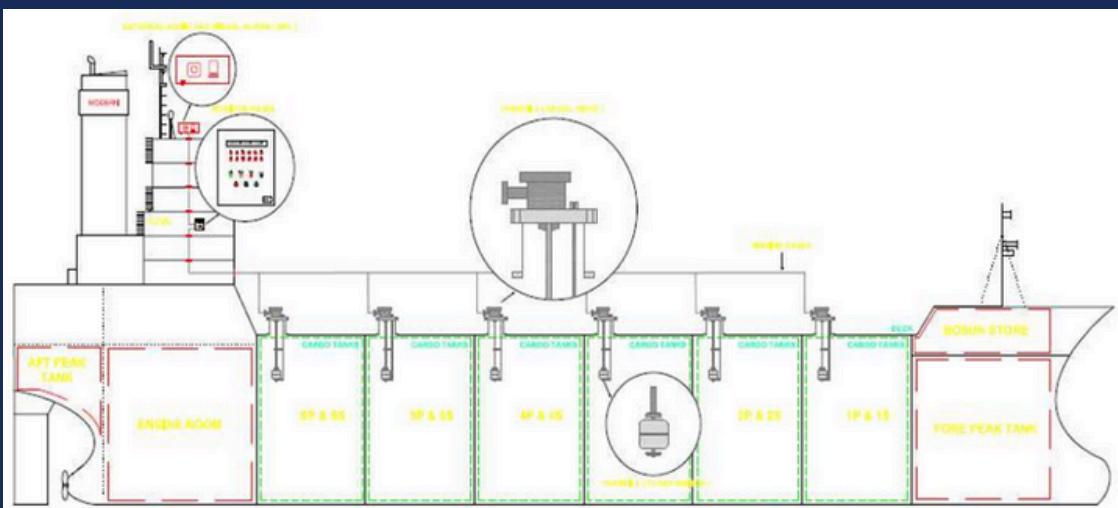
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Technical Specifications	
Power Source	AC220V or AC110V
Power Consumption	6W Max per channel
Principle	Magnetic float with reed switch
Accuracy	Within $\pm 5\text{mm}$
Specific Gravity	0.5 and above (liquid)
Alarm Display	Red Lamp (High), Amber Lamp (Overfill) and Buzzer
Alarm Level	95% and 98%
Alarm Function	When liquid level exceeds the alarm level, High / Overfill alarm lamp, buzzer and common relays will come on
Other Alarm	Power fail alarm
Alarm output	External relay contact
Enclosure	IP56 (level switch)
Operating conditions	-5 °C to 55 °C (Monitor Panel) -25 °C to +70 °C (Level Switch)
Safety Approval	Intrinsic Safety by BASEEFA
Connection size	JIS 5K 150A (tank), JIS 5K 25A (cable)
Material in Process	Stainless Steel SS 316 (Level Switch)
Class Approval	ClassNK Type Approved

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