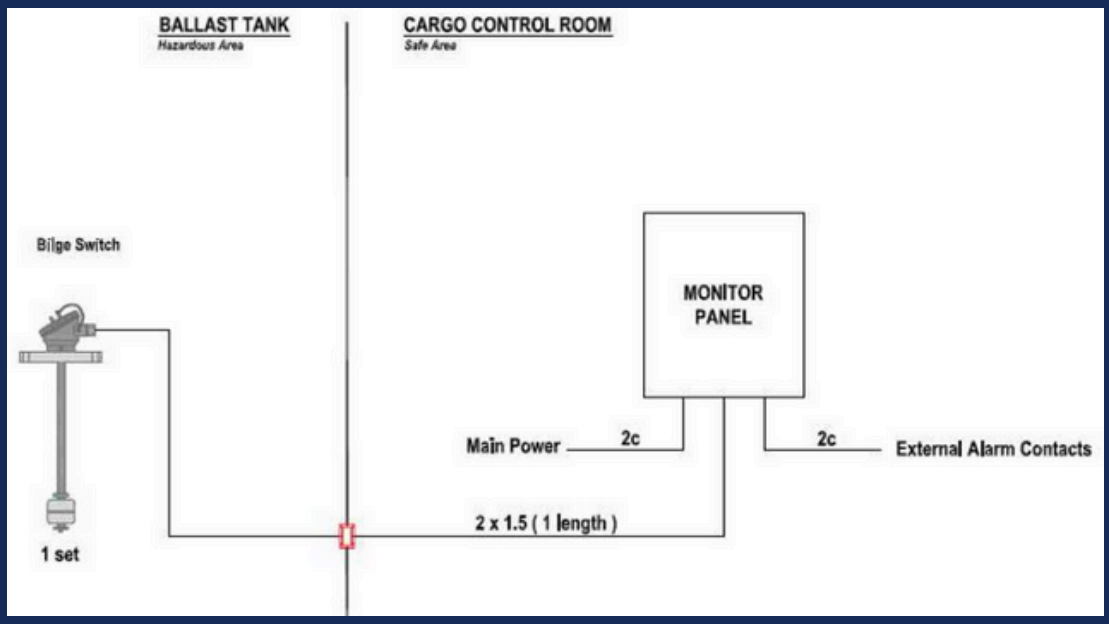
MODERN AUTOMATION &
ENGINEERING PTE LTD

BILGE HIGH LEVEL ALARM SYSTEM

Features

- High Reliability
- Self Monitoring
- Easy Installation
- Easy Maintenance
- Intrinsically Safe Design
- Approved by Major Classification Societies



In accordance to IMO Regulation, SOLAS Chapter II-2, Reg. 4.5.10.1.4 and Chapter XII-9

Principle of Operation

Bilge High Level Alarm System is designed using the proven magnetic float switch principle. Each system consists of the RFS float switch and alarming panel. Reed switches inside the stem are activated by the permanent magnetic fixed 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

BHLA is developed to comply with IMO regulations for Cargo Hold, Pump Room and Engine Room Bilge High Level Alarm. The sensors are designed to withstand the extreme environmental conditions in cargo hold, pump room and engine room. Suitable for marine and offshore installations in chemical parcel tankers, chemical tankers, oil tankers, FSO, FPSO etc. Landbased systems catered for the petrochemical, refinery and process installations are available.

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Ver.2510

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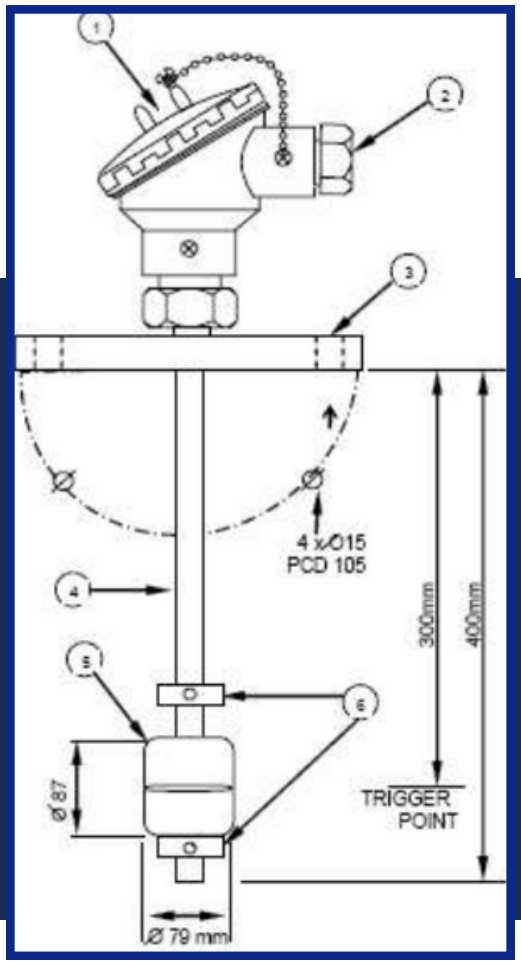
FLOAT SWITCH

No	Name of Parts	Material	Qty	Remarks
1	Terminal Box	ALU.	1	
2	Cable Gland	SUS 304	1	BSP O.D. 125mm
3	Mounting Flange	SUS 304	1	JIS 5K 50A (Standard)
4	Stem	SUS 304	1	
5	Magnetic Float	SUS 304	1	DIA 79mm
6	Float Stopper		1	



Model	BHLA
Principal	Magnetic Float and Reed Switch
Accuracy	Within ± 5mm
Alarm Display	Red LED (High) and Buzzer
Alarm Set Level	High Level
Alarm Function	When liquid level exceeds the alarm set level, HIGH level alarm lamp, common relay and Buzzer will come on.
Other Alarm	Power Fail Alarm
Alarm Output	External Relay Contact (Normally Close - NC)
Contact Form / Rating	SPST / 1.0A, 200 VDC
Enclosure	IP 67 (Level Switch)
Operating Conditions	+5 ˚C to +55 ˚C (Monitor Panel), -25 ˚C to +70 ˚C (Level Switch)
Power Source	AC 220V or AC 110V
Power Consumption	6W Max per Channel
Safety Approval	Intrinsic Safety by BASEEFA with Safety Barrier
Flange Connection	JIS 5K 50A Flange, Float - Diameter 79mm
Cable Connection	½" BSP
Material in Process	Stainless Steel SS 316 (Level Switch)
Class Approval	ClassNK

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