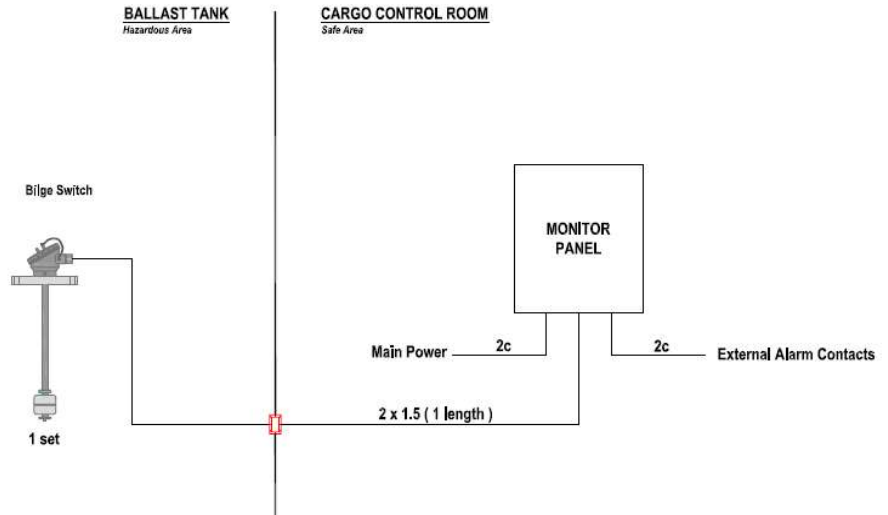


## Bilge High Level Alarm System

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

### Features

- High Reliability
- Self Monitoring
- Easy Setting & Installation
- Easy maintenance
- Intrinsically Safe Design
- Approval by major classification societies



### 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.

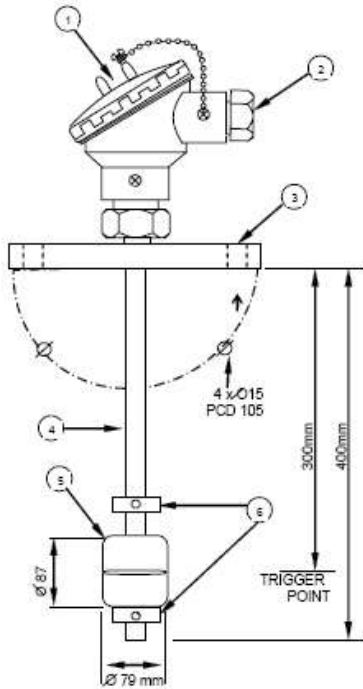
### Application

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. Land-based systems catered for the petrochemical, refinery and process installations are available.



**TECHNICAL SPECIFICATION**



**FLOAT SWITCH**

6	FLOAT STOPPER	SUS 304	1	
5	MAGNETIC FLOAT	SUS 304	1	DIA. 79 mm
4	STEM	SUS 304	1	
3	MOUNTING FLANGE	SUS 304	1	JIS 5K 50A (standard)
2	CABLE GLAND	SUS 304	1	? BSP O.D.12.5 mm
1	TERMINAL BOX	ALU.	1	
NO.	NAME OF PARTS	MATERIAL	QTY	REMARKS

**MODEL : RFS-B1-01**

Model	: BHLA
Principle	: Magnetic Float and Reed Switch
Accuracy	: Within $\pm 5$ mm
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, 200VDC
Enclosure	: IP 67 (level switch)
Operating Conditions	: + 5°C to +55°C (Monitor Panel), -25°C to +70°C (Level Switch)
Power Source	: AC220V or AC110V
Power Consumption	: 6W Max per channel
Safety Approval	: Intrinsic Safety by BASEEFA with Safety Barrier
Flange connection	: JIS 5K 50A Flange, Float - Dia. 79mm
Cable connection	: 1/2" BSP
Material in Process	: Stainless Steel SS 316 (level switch)
Class Approval	: ClassNK

<p>Manufacturer :</p> <p>MODERN Automation &amp; Engineering Pte Ltd                      Blk 4026, #01-263 Ang Mo Kio Industrial Park 1                      Singapore 569637.                      Tel : +65 6451 6313 Fax : +65 6451 5501                      E-mail : sales@modernaautomation.com.sg                      Website : www.modernaautomation.com.sg</p>	<p>Distributed by :</p>
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