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At Mac N Hom Marine Equipments (P) Ltd., we are focused on range of products that meet the ever increasing demands of Marine based customers in terms of sophistication and diversification. We have brought to market innovative products, one after another to provide only the highest quality goods and services for your requirements and offer customised solutions and challenging applications quickly and cost effectively.

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BILGE WATER & SMOKE ALARM UNIT (Model :-MM-BS-1X1)

DESCRIPTION

Bilge Water & Smoke Alarm unit is designed to detect water and smoke. The primary purpose of this controller is to detect water that can be in boat bilges as well as smoke that may appear in the boat engine room. In case of detection, an LED will indicate light and alarm will give sound. The unit can also be used for various safety applications that are in need of water and smoke detection, where it should not be present.



Fig.1: Front view of Alarm Unit

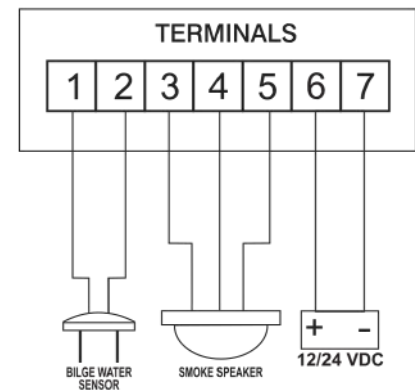


Fig.2 : Terminal Connections on Back Side of Alarm Unit

Terminal Details

TERMINAL NUMBER	DESCRIPTION	
1	LEVEL SENSOR	INPUT
2		COM
3	SMOKE SENSOR	VCC
4		GND
5		LOAD
6	12 - 24 VDC	VCC
7		GND

The main features of the equipment's are:

- ❖ Easy to install- no expertise required.
- ❖ The controller operates on 12V/24V DC power source.
- ❖ Easy to operate.
- ❖ High accuracy.
- ❖ Compact and Portable

SPECIFICATION

Model number	: MM-BS-1X1
Power supply	: 12 to 24 VDC
Ready	: LED indication (ready)/ Buzzer on/off
Input	: By Bilge Water sensor (1no) : By Smoke sensor (1 no)
Reset	: To reset the smoke sensor
Test	: Push switch to test unit buzzer ready
Output	: By LED status display
(a) On Water level	: LED glows with alarm
(b) On Smoke detection	: LED glows with alarm
Operating temperature	: 5-50 °C
Panel dimension (w x h x d)	: 144 x 72 x 90 mm
Application	: For detection of water and smoke in boats (Bilge Area & Engine Room)

OPERATING PROCEDURE

UNIT READY-Switch on the switch, the READY led glows- to test sound functioning, press TEST push switch, sounds till push.

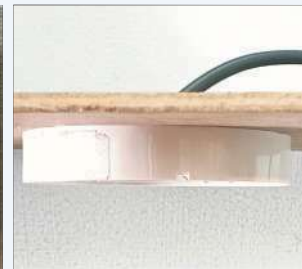
Bilge water alarm

When water is sensed by sensor the Bilge LED glows and Buzzer sounds, the buzzer is reset by switch to OFF. Once water in bilge is in SAFE level, below the sensor level, the buzzer and bilge LED does not glow. For Unit ready-Switch on the Ready switch, the READY led glows- (to test sound functioning, press TEST push switch, sounds till push). Unit is now again ready.



Smoke Alarm-

Once the Smoke is sensed, the yellow smoke LED glows with sound. Reset sound by switching OFF and Reset smoke LED glow by pressing the push switch. Once the smoke is out, For Unit ready again-Switch on the Ready switch, the READY led glows- (to test sound functioning, press TEST push switch, sounds till push). Unit is now again ready.



INSTALLATION

Bilge & smoke UNIT – Install the unit on a level surface having clear eyesight of the operator, to enable to see the Bilge & Smoke Unit indication and hear the Alert sound.

Bilge sensor - Decide the safe level of the water. Fix the sensor having two fixing holes above the water level in Horizontal position. Ensure the cables are routed through the cable ducts

Smoke sensor - Decide the region where smoke shall come during Fire. Fix the sensor having base first in horizontal position & then the top cover in. Ensure the cables are routed through the cable ducts



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FLAX Mfd. by:
Automation Flax Automation Pvt. Ltd.,
Marine

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PACKAGE CONTENT- CHECK LIST

- | | |
|--|--------------------------|
| BILGE & SMOKE Controller Unit | <input type="checkbox"/> |
| BILGE WATER SENSOR (1 No)
WITH 20 MTR Cable | <input type="checkbox"/> |
| SMOKE SENSOR (1 No)
WITH 20 MTR Cable | <input type="checkbox"/> |

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