

**OWNER'S MANUAL**  
Version 1.0

**Product description**

The Bilge Flood Sensor instantly informs you if the boat is taking on water. Moreover, the Bilge Flood Sensor has a built-in siren that will sound an alarm when water is detected.

**Precautions**

- Do not remove the product label as it contains important information.
- Do not paint the sensor.

**Adding the sensor to the Gateway**

**NOTE:** Make sure Gateway is turned on and configured, for more information see the Gateway owner's manual.

1. Open the ZigBoat™ App, select the Gateway in the ZB Gateways menu, wait a few seconds, and then select the menu button on the top right (fig. 1). Select "Device list" (fig. 2). Add the sensor by entering the serial number which is on the sensor's label (fig. 3). To find the serial number, remove the alarm cover and the inside plastic disc.

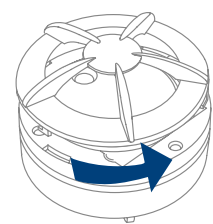


Fig. 1

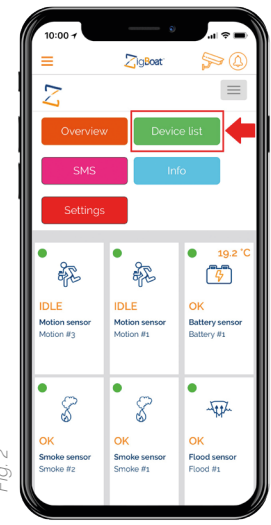


Fig. 2



2. You can change the devices name by selecting "Name" (fig. 4). Then, press the button "Add Device".

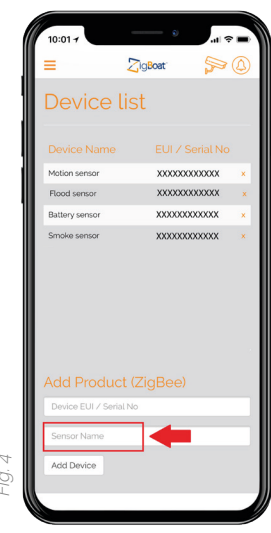
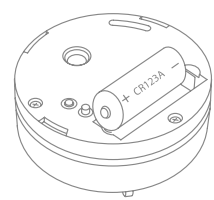
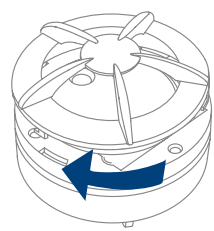


Fig. 4

3. Insert one CR123A battery observing the polarities.



4. Put the plastic disc back (it fits only one way) and close the casing by twisting it clockwise.



5. The Bilge Flood Sensor will start searching for the ZigBoat™ network to join.
6. While the Flood Sensor is searching for the ZigBoat™ network to join, the LED flashes red.



7. When the LED stops flashing, the Flood Sensor has successfully joined the ZigBoat™ network.

To check the correct configuration, select the overview tab of the ZigBoat™ App. (fig. 5)

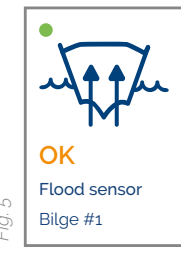


Fig. 5

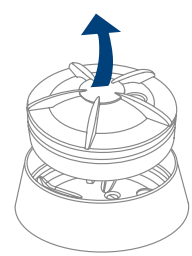
*Green dot: The sensor is working properly*

*Red dot: The sensor is not able to reach the Gateway;*

- Please check the battery status;
  - Please check that the correct serial number has been entered
  - In case of a weak or a bad signal, change the location of the ZigBoat™ Bilge Flood Sensor
- "OK": the sensor is not detecting water*
- "ALARM": The sensor has detected water and the siren will emit a steady pulse. If the gateway is connected to the internet, you will receive a push notification.*

**Placement**

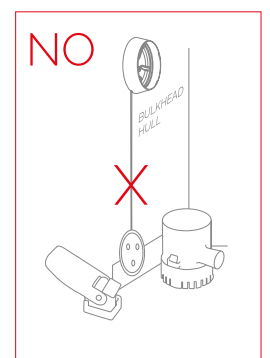
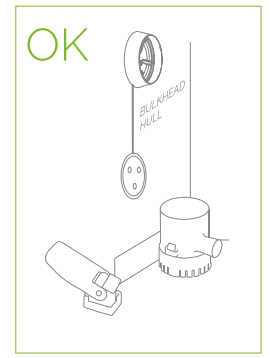
- Place the alarm indoors at a temperature between 0-50°C (32-122°F).
1. Remove the alarm from its base.



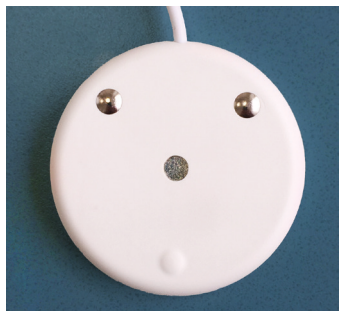
2. You can roll the cable around the clips on the backside of the sensor to set the length of the cable used. For deciding the cable length please read the below NOTE.



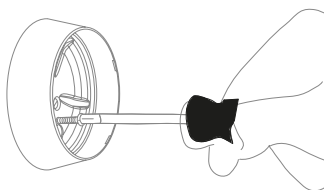
**NOTE:** Ensure that the sensor base is mounted far away from wet area and in a quiet area. Moreover, the sensor probe must be located over the highest position of the bilge pump float switch.



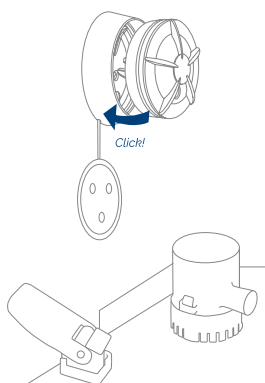
**NOTE:** Please fix the sensor probe to the bulkhead or hull by using an adhesive (not supplied), making sure that the probe has the two connectors facing not toward the bulkhead/hull.



3. Install the base on the bulkhead/hull by using screws (not supplied), or the supplied adhesive.



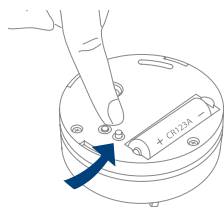
4. The alarm is attached to the base by simply pushing the alarm on the base and twisting until a click is heard.



## Testing

- Always test the Bilge flood sensor after installation or after changing the battery.
- When pressing the test button (closest to

the battery), the alarm sound should be heard.



- A network alarm test can be performed by holding down the test button for at least 6.5 seconds (count 3 sounds).

## Resetting

A reset is needed if you want to connect your Bilge Flood Sensor to another gateway or if you need to perform a factory reset to eliminate abnormal behavior.

### STEPS FOR RESETTNG

1. Remove the cover of the alarm by twisting it counter clockwise.
2. Remove the plastic disc.
3. Press and hold the LED reset button until the LED flashes continuously.



4. Release the button.
5. Resetting process is complete when the LED reset button starts to flash.

## Modes

### SEARCHING GATEWAY MODE

The red LED inside of the device is flashing every second (up to 15 minutes)

### NORMAL MODE

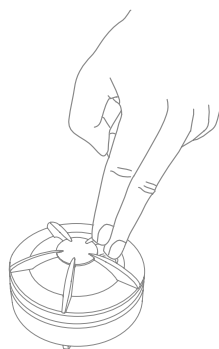
The internal LED flashes red every 45 seconds.

### ALARM MODE

The simultaneous flashing of the internal red LED and sounding of intermittent audible signal.

When water is detected, the alarm will sound for 10 minutes.

Press the top button on the sensor to silence the siren manually.



## LOW BATTERY MODE

Simultaneous audible signals and LED flashes every 45 seconds, means that the battery should be replaced.

## Fault finding

- If the Bilge Flood Sensor does not work when the LED reset button is pushed, the probable cause is a faulty battery. Replace the battery if needed.
- In case of a bad or weak signal, change the location of the Bilge Flood Sensor. Otherwise, relocate your gateway to improve the performance.
- If the search for a gateway has timed out, a short press on the LED button will restart it.

## Battery replacement

**CAUTION: RISK OF EXPLOSION IF BATTERIES ARE REPLACED BY AN INCORRECT TYPE. DISPOSE OF THE BATTERIES IN ACCORDANCE WITH INSTRUCTIONS.**

**CAUTION:** When removing cover for battery change - Electrostatic Discharge (ESD) can harm electronic components inside

1. To replace the battery, remove the cover of the Bilge Flood Sensor by twisting it counter clockwise.
2. Remove the plastic disc and replace the battery noting the polarity. The Bilge Flood Sensor uses 1xCR123 battery.
3. Put the plastic disc back and close the casing by twisting it clockwise.

## Disposal

Dispose the product and battery properly at the end of life. This is electronic waste which should be recycled.

## CE certification

The CE mark affixed to this product confirms its compliance with the European Directives which apply to the product and, in particular, its compliance with the harmonized standards and specifications.



## IN ACCORDANCE WITH THE DIRECTIVES

- Radio Equipment Directive 2014/53/EU
- EMC Directive 2014/30/EU
- RoHS Directive 2011/65/EU

## Other certifications

- ZigBee® certified.



Distributed by Glomex Srl  
via Faentina 165/G  
48124 Ravenna  
Italy

## All rights reserved.

Glomex assumes no responsibility for any errors, which may appear in this manual. Furthermore, Glomex reserves the right to alter the hardware, software, and/or specifications detailed herein at any time without notice, and Glomex does not make any commitment to update the information contained herein. All the trademarks listed herein are owned by their respective owners.

## Warranty

Glomex guarantees the ZigBoat™ (ZB101) and the Bilge Flood Sensor (ZB202) against

manufacturing defects for a period of 2 years from date of purchase.

Warranty can be in the form of repair or replacement of the unit if manufacturing defects have been found and are confirmed by Glomex or one of its affiliates. In order to validate warranty, either the original sales receipt or a copy must be provided at the time warranty is requested.

Before returning any items for warranty, please contact the Glomex Customer Service department to receive a RMA which should be completed and sent with the unit to the following address:

GLOMEX S.r.L  
Via Faentina 165/G  
48124 Ravenna (Italy)

complete with all the accessories supplied at the time of purchase for shipment.

The serial number must neither be erased nor made illegible, otherwise the warranty will be voided.



Consulta il manuale utente in italiano su:

Consultez le manuel d'utilisation en français sur:

Siehe das deutsche Benutzerhandbuch auf:

Consulte el manual de usuario en español en:

