ZigBoat™ Battery Sensor

Wireless, cloudless, uniqueness.

code: ZB201

OWNER'S MANUAL

Version 1.0

Product description

The ZigBoat™ Battery Sensor monitors the battery power bank voltage and, if it drops below a fixed threshold sends you push notifications.

Thanks to the switch you can use 12V or 24V battery power bank.

NOTE: 12V mode threshold: 11.6V (± 0.3V)

24V mode threshold: 23.1V (± 0.3V)

Precautions

• When removing sensor battery covers, remember that electrostatic discharge can damage electronic components inside.

• Always mount indoors.

• Do not remove the product label as it contains important information.

Adding the sensor to the Gateway

NOTE: Make sure the gateway is turned on and configured correctly. For more details, please see the gateway installation manual.

1. Open the Zigboat APP, select the Gateway in the ZB Gateways menu and wait a few seconds. 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).

2. To locate the serial number of the sensor, remove the front cover by pressing the tab on top.


Fig. 1

Fig. 2

S/N: XXXXXXXXXXXXX

Fig. 3
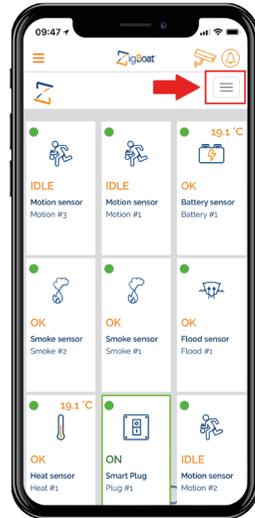
3. You can change the device name by selecting "Name" (fig. 4). Then, press the "Add Device" button.

Fig. 4

4. The Battery Sensor is set by default to 12V mode. To switch to 24V mode, please move the switch as indicated in the sticker placed in the device (fig. 5/A and 5/B).
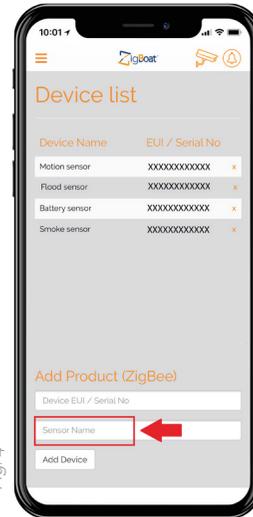
Fig.5/A

Fig.5/B
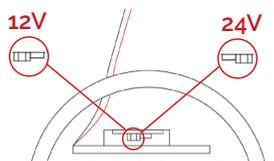
5. Insert the enclosed batteries (2xAAA) into the sensor making sure to observe the correct polarity.

6. Close the casing.

7. The ZigBoat™ Battery Sensor will now start searching for the ZigBoat™ network to join.

8. While the ZigBoat™ Battery Sensor is searching for the ZigBoat™ network to join, the red light on the sensor will flash.

9. When the red LED stops flashing, the ZigBoat™ Battery Sensor has successfully joined the ZigBoat™ network.

To check the correct configuration, select the Overview tab of the ZigBoat™ App. (fig. 6)

OK
Battery Sensor
Battery #1

Fig. 6

Green dot: The sensor is working properly

Red dot: The sensor is not able to connect to the Gateway:

• *Please check the battery status;*

• *Check to ensure the correct serial number has been entered into the APP.*

• *In case of a weak or a bad signal, relocate the battery sensor.*

"OK": The battery power bank voltage is above the fixed threshold

"LOW": The battery power bank voltage is below the fixed threshold and, if the gateway is connected to internet you will receive a push notification on the APP.

Mounting

• Place the sensor indoors at a temperature between 0-50°C.

• Connect the red wire (+) to the positive pole of the battery power bank.

• Connect the black wire (-) to the negative pole of the battery power bank.

IMPORTANT: Use one battery sensor for each battery power bank you want to monitor
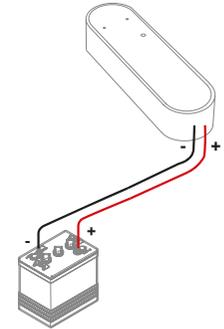
Resetting

Resetting is needed if you want to connect your ZigBoat™ Battery Sensor to another gateway or if you need to perform a factory reset to eliminate abnormal behavior.

The reset button is marked with the small ring on the front of the sensor.

STEPS FOR RESETTING

1. Open the casing of the device by pushing the fastening on top of the device to remove the front panel from the back cover.

2. Remove the batteries (2xAAA) and reinsert the batteries

3. Press and hold down the reset button for approximately 8-10 seconds. The button has to be pushed within one minute after inserting the batteries.

4. When the red light starts flashing every second, the reset process has been successfully implemented.

Every second

Modes

ACTIVATION MODE

A single green flash means that the battery power bank voltage drops below or rises above the fixed threshold..

SEARCHING GATEWAY MODE

Red LED flashes every second for a longer period, this means that the device is searching for a gateway.

LOST CONNECTION MODE

When the red LED flashes 3 times, it means that the device has failed to connect to a gateway.

LOW-BATTERY MODE

Two consecutive red LED flashes every 60 seconds, means that the battery should be replaced.

Fault finding

• If the ZigBoat™ Battery Sensor does not work, the probable cause is a faulty battery. Replace the batteries (2xAAA) if they are worn out.

• If the search for the ZigBoat™ Gateway has timed out, a short press on the 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. Open the casing of the device by pushing the tab at the top of the device to remove the front panel from the back cover.

2. Replace the batteries respecting the polarities. The ZigBoat™ Battery Sensor uses (2xAAA) batteries.

3. Close the casing.

4. Test the ZigBoat™ Battery Sensor.

Other information

The use of ZigBoat™ Battery sensor is under the responsability of the boat owner.

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.

 RoHS

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

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Warranty

Glomex guarantees the Battery Sensor (ZB201) 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: