

EN



 **lifebuoy**™
make your pool safer

85db Horn at 10 Feet



Congratulations on the purchase of the Lifebuoy Pool Alarm System

We at Lifebuoy love pools and believe that pools can and must be safer for children and toddlers.

The system was tested in accordance with the ASTM F2208 Standard and is intended to warn of falling into the pool and when the cover is removed.

This guide is intended to review the safety instructions and manner of operating the warning system.

It is recommended to keep this guide handy for future reading.

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Important

Read this guide fully prior to use.

Lifebuoy is exclusively a safety device and is not a lifesaving product.

Under no circumstances should you relate to this product as a substitute for other means of safety, such as a lifeguard, parental supervision, fences, gates and so on.

Without detracting from the aforementioned, your attention is drawn to the fact that the product may not sound a warning in cases of gradual entry into the pool.

Ensure that the system covers the entire area of the pool and if necessary adjust the sensitivity of the system.

Do not leave objects in the pool when the system is activated.

The system warning when opening a pool cover has been tested for vinyl covers that are lightproof. The warning is based on light sensors in the pool unit and will not work properly with a solar cover or any other cover that is not sufficiently lightproof. Furthermore, this mode is not intended for use when the outside lighting is weak (for example, at night).

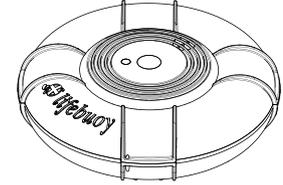
Package Contents

The package was uniquely designed to provide protection for the lifebuoy system until it is purchased. Check the integrity of the packaging prior to initial opening.

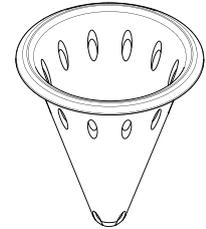
The package contains:

- User's guide including the warranty certificate.
- Pool unit¹
- Transparent balancing cone²
- Home unit³
- String to attach pool unit to pool side

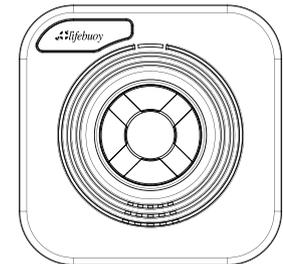
1. Pool unit



2. Transparent balancing cone



3. Home unit



Definitions and Manner of Action in Principle

The Pool Unit

- The pool unit contains an alarm serving as a warning and for indication.
- The pool unit contains a broadcasting and receiving processor that serves for communications with the home unit.
- The pool unit contains miniature sensors whose purpose is to identify activity in the pool, such as a fall into the water or opening of the cover.
- A transparent cone is connected to the pool unit and serves to stabilize the system.

The Home Unit

- The home unit contains an alarm serving as a warning and for indication.
- The home unit contains a broadcasting and receiving processor that serves for communications with the pool unit.

- The home unit contains a broadcasting and receiving processor that serves for communications with a cellular device (smartphone).
- The home unit contains a button in the shape of a life buoy, and this button serves for controlling the system. The possibilities for use of the button are described later in this guide.
- String to attach pool unit to pool side

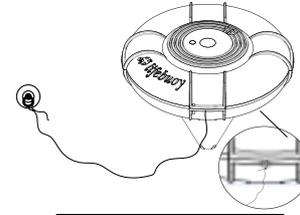
Manner of action in principal

When the system is activated, the sensors in the pool unit operate continuously in order to sense any changes in the environment of the pool. The Pool unit's processor analyses the data from the sensors.

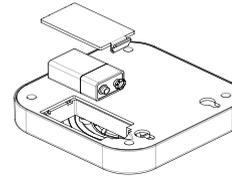
If the processing unit determines that there was a fall into the water (and/or opening of the cover) the alarm in the float sounds and a notification is sent to the home unit, which operates the Home alarm in response.

Installation

1



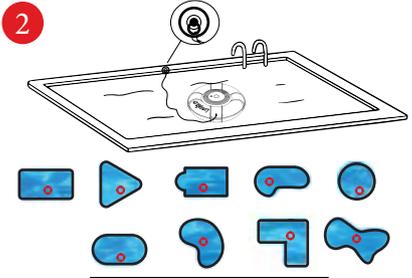
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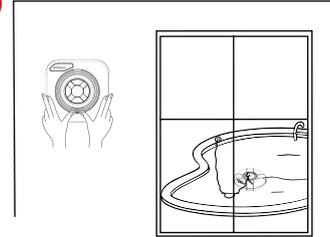
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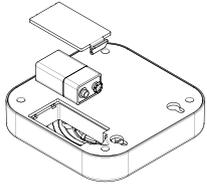
6



Locate the pool unit in the pool:

1. Check Alarm Location chapter later on this guide, to choose the best location.
2. Try to locate it so it is in the line of sight from the home unit wall.
3. Place pool unit away from pump outlet.
4. Use the provided string kit to attach pool unit.

Install the 9V battery in the home unit as shown in the illustration:



Pay attention to the proper direction of installation (polarity) of the battery. Incorrect installation could cause harm to the device and void the warranty.

Choose a location for hanging the home unit. Do not install the home unit at this stage.

Tips for selecting a location for the Home Unit:

1. Select a high location, out of the reach of children.
2. Install the unit as close as possible to the pool unit in the pool. The closer the two units are, the longer the battery will last, and the better the communications between the units will be.
3. Choose a location that is easily accessible.
4. The home unit is an indoor unit and is not intended to withstand outdoor conditions or any dampness.

Testing the selected location of the home unit.

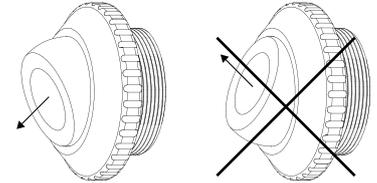
In order to ensure that the location is suitable, test the quality of communication between the units:

1. Position the home unit at the selected location.
2. Start the app.
3. Press the home unit button and check the signal strength level on Start the LifebuoyAlarm App.
4. If there is no signal, or signal strength is "poor" try to find a better location.
5. You can now shut down the Alarm using the App power button, or by long pressing the home unit button for 3 seconds.



Direction of the outlet of the pump unit.

Direct the opening of the outlet of the pump downwards as shown in the illustration:





System Modes

ON: Use this mode when you want Alarm to detect a fall into the pool. To get into ON mode (from either Standby or OFF) using the home unit, short press the home unit button. You will hear a single beep, and green led will start flashing.

Standby (Swim-mode): Use this mode when you want to enter the pool. The alarm will automatically turn back to ON 10 minutes after pool is calm again. To get into Standby mode (from ON) using the home unit, short press the home unit button . You will hear 2 beep. Both red and green led will start flashing. Another way to switch to Standby mode is by holding the vertically for several seconds, until 3 beeps are sounded.

ON Cover: Use this mode when your pool is covered, and you want alarm to detect an opening of the cover. To get into On Cover mode (from OFF) using the home unit , long press the home unit button. You will hear 4 beep. both red and green led will start flashing.

OFF: To completely shutdown the system (from either ON/Standby/ On-Cover) using the home unit, long press the home unit button. You will hear 3 beep.



Warning Alarm

In the event of a warning the alarm will sound continuously for 3 minutes from both the home unit and the Pool unit.

A steady red light will appear on the home unit.

After the alarm is sounded it will cease for 30 minutes during the course of which the system is inactive and will not sound a warning in the event of a fall into the pool and/or raising the cover.

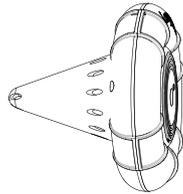
After 30 minutes of inactivity, and providing that during the last 10 minutes the system sensed no movement in the pool, the system will turn on. If the system senses movement the turning on will be delayed until the system senses no movement for 10 minutes similarly to Standby mode.

If the user turns the system off and on during the 30 minutes of inactivity, the system will return to operation immediately (the system will activate 15 seconds after operation).

Neutralization of the system during the sounding of the alarm can be

performed by means of each of the 3 ways of switching the system off:

1. Transfer to Standby mode by a short push on the home unit button.
2. Full shut down by a long push on the home unit button.
3. Transfer to Standby mode by holding the pool unit vertically for a few seconds as shown in the illustration:



Automatic Testing When Operating

In order to ensure that the system activates properly after it is operated, the system performs two self-tests when operated:

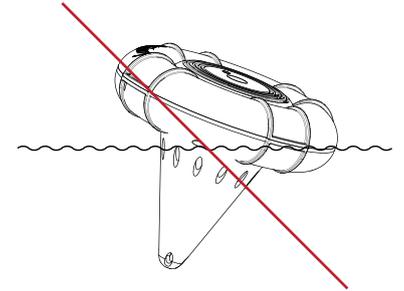
1. **Operating the system when the pool unit is not horizontal** If the pool unit is not in the pool or encounters a physical obstruction (causing it not to be horizontal) the system cannot be operated properly. When operated in this condition the pool unit and the home unit will beep every few seconds to warn that the system is not activated.

In this case the system must be shut down by pushing the home unit button (see “Shutting down the system”). Ensure that the pool unit is floating horizontally in the pool and operate once again.

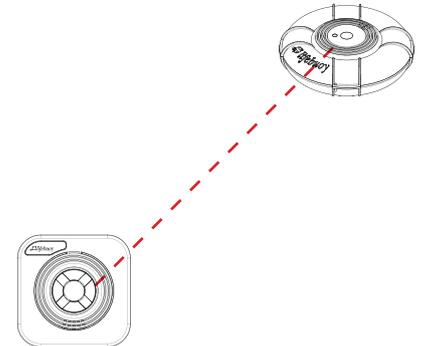
2. **Operating the system when there is no communication between the units**

When there is no communication between the units (for example when they are too far apart), the system cannot be properly activated. A few seconds after switching on the system, a loud beep will be heard and the system will switch off.

1. Operating the system when the pool unit is not horizontal



2. Operating the system when there is no communication between the units



Automatic Testing when the System is Activated

In order to ensure that the system is working properly, the system performs a number of automatic tests when operated:

Communication test

Every 15 minutes the system checks that communication is in order between the home unit and the Pool unit. If the communication test fails, green and red lights will flash on the home unit every 2 seconds.

Batteries test

There are two batteries in the system, one in the home unit and the other in the Pool unit. The system tests the levels of voltage in both batteries every hour.

- If the voltage level in the home unit drops below 7 volts, the home unit will sound a single beep every 15 minutes. If this occurs the battery in the home unit must be replaced.
- If this occurs, replace the pool unit

battery with a compatible battery. check our website for most updated instructions.

🌐 www.lifebuoyalarm.com



Testing Good Working Order

Mandatory prior to initial operation of the system

- The system is designed to warn when a person or pet weighing 9 kilograms (20 lb) or more falls into a pool that is up to 10 meters (32 ft) long.
- To test that the system is in good working order throw a water container of 9 liters (or a six-pack of mineral water in 1.5 liter bottles; 9 liters are equivalent to 20 lb) into the pool from a height of 20 centimeters (6" in), while the pool unit is positioned at the far end of the pool (up to 10 meters or 32' ft). The alarm should sound when the waves reach the pool unit.
- Turn the system off/Standby for 10 minutes to make sure water are calm again. Repeat the test from different places around the pool.
- Perform this working order test

in the following cases:

- After installation
- After changing pool unit
Location in the pool
- After sensitivity change
- After any change in Alarm system or pool environment.
- If the good working order test fails, in other words the system does not sound a warning, the sensitivity of the system can be calibrated and adjusted to the pool (see the chapter "Adjusting and calibrating the system's sensitivity").

Testing Working Order when Operating with a Pool Cover

Mandatory prior to initial operation of the system or replacement of the pool

- If there is no intention of using the system when the pool is covered, you can skip this chapter.
- The warning when the cover of the pool is opened is based on entry of light into the pool when the cover is opened.
- The warning may not work properly if the cover is not sufficiently lightproof.
- The warning is not designed to work when the light outside is weak (for example at night).
- It is recommended to use a vinyl cover or any other completely lightproof cover.
- The test must be performed in daylight.
- Cover the pool while the pool unit is in the pool.

- Operate the system in the covered pool mode, as described on page 9.
- Wait for 20 seconds after activation and then raise the cover to open it partially, as shown in illustration on page 11.
- A few seconds after opening the cover the system should sound a warning from both the pool unit and from the home unit.
- Shut the system down completely and repeat the test process by opening the cover from different sides of the pool.





Adjusting and Calibrating the System's Sensitivity

If the working order test fails (see chapter “Testing good working order”), it is possible to calibrate the system’s sensitivity and adjust it for the pool.

The system has multiple grades of sensitivity with grade 1 being the lowest sensitivity. The higher the number, the more sensitive the alarm would be.

The default sensitivity setting is 5. If the system did not identify the object being thrown into the pool during the test, the sensitivity of the system should be increased, for instance to raise it from 5 to 6 and try again.

Changing the sensitivity grade:

The sensitivity grade can be easily changed from the  LifebuoyAlarm mobile application.



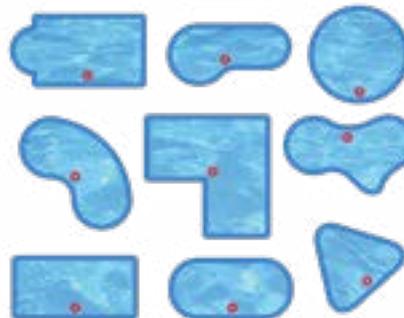
Alarm Location

Lifebuoy™ pool alarm is compatible with every type of private/residential pools up to 20’x40’ (6mx12m): in ground, above ground, covered, uncovered, spa and garden ponds.

See illustration for recommended placement. If your pool is larger than 20’x40’ (6mx12m), or if you have pool features (waterfalls, automatic cleaners, etc.), please contact:

[✉ info@lifebuoyalarm.com](mailto:info@lifebuoyalarm.com)

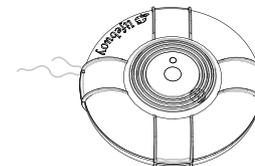
to clarify the recommended number of alarms and their locations.



Securing the Pool Unit in the Pool

At the sides of the pool unit are two holes intended for securing the unit. Securing the unit could prevent false alarms as a result of the proximity of the system to the pump outlet opening or any other local obstruction in the pool.

The location of the securing must be distanced from the source of obstruction in the pool. Attach string to one of the holes at the side of the unit as shown in the illustration:



The length of the string must be sufficient to enable the system to float freely for a distance of about 30 cm (approximately 12” inches) from the sides of the pool. Attach the nylon string to a stable part of the pool.

Page	Name of mode	Initial mode	Entry into mode	Indication sound and voice
9	Switching on (Without a cover)	Switched off; no sound; no lights; The system is horizontal in the pool	Short push on the home unit button	◀ ● ◀ ● Home – Short single beep; green flashing every 2 seconds Pool Unit– Short single beep; green flashing every 20 seconds
9	Switching on (With a cover)	Switched off; no sound; no lights; The system is horizontal in the pool	Long push on the home unit button	◀◀◀◀ ● ◀◀◀◀ Home Unit– 4 Beeps; green flashing every 6 seconds Pool Unit– 4 Beeps
13	Switching on (With/without a cover)	Switched off; no sound; no lights; The system is <u>not horizontal</u> or is out of the pool	Short/long push on the home unit button	◀ ◀ Home Unit– Beep increasing in intensity every few seconds for 3 minutes Pool Unit– Beep every 10 seconds for 3 minutes
13	Switching on (With/without a cover)	Switched off; no sound; no lights; <u>No communication</u> between the units	Short/long push on the home unit button	◀ ● ◀ – Home Unit– Single beep, after a few seconds without communication, the system will beep loudly and shut down Pool Unit– Without indication of sound or lights
10	Standby (From the Home Unit)	The system is operational (in the mode of with/without a cover) or during an active alarm	Short push on the home unit button	◀◀ ● ● Home Unit– 2 Beeps accompanied by red and green flashing lights, the system will go over to Standby mode, red and green lights will flash every 2 seconds Pool Unit– 2 Beeps
10	Complete shut down	The system is operational (in the mode of with/without a cover) or during an active alarm or on Standby	Long push on the home unit button	◀◀ ◀◀◀ ● ◀◀◀ Home Unit– 3 Beeps accompanied by a single red flash Pool Unit– 3 Beeps
10	Standby (From the Pool Unit)	The system is operational (in the mode of with/without a cover) or during an active alarm	Hold the pool unit vertical for 3 seconds	◀◀ ● ● Home Unit– Double beep, the system enters Standby and the red and green lights will flash every 2 seconds Pool Unit– Double beep
12	Alarm	The system is operational (in the mode of with/without a cover)	The system identified a fall into the pool and /or raising the cover	◀◀ ◀ ● ◀ Home Unit– Loud alarm for 3 minutes, accompanied by continuous red light Pool Unit– Loud beeps for 3 minutes
14	Communication test	The system is operational (in the mode of with/without a cover)	Automatic communication test fails	● ● – Home Unit– Green and red lights flash every 6 seconds Pool Unit– Without indication of sound or lights
14	Batteries test	The system is operational (in the mode of with/without a cover)	Battery is low (home unit or pool unit)	◀ – Home Unit– One or two beeps every 15 minutes, respectively Pool Unit– Without indication of sound or lights



Safety and Compliance Information



European Community

This equipment complies with:

- Low Voltage Directive (LVD) 2014/35/EU
- Electromagnetic Compatibility (EMC) Directive, 2014/30/EU
- Radio Equipment Directive (RED), 2014/53/EU

ASTM

MODELLBPABUOY1/LBPACNTL1 Meets requirements of ASTM Safety Specification F2208.

Important: “This device is not intended to replace any other safety consideration; that is, adult supervision, lifeguards, fences, gates, pool covers, locks, and so forth, and some devices may not detect gradual entry“.

FCC (Federal Communications Commission) - The United States of America

FCCID (home unit model LBPACNTL1):
2AOXNLBPACNTL

FCCID (Pool unit model LBPABUOY1):
2AOXNLBPABUOY

*To view the Regulatory ID (such as FCC ID) for this device, on the phone, go to [Settings](#) > [About](#) (LifebuoyAlarm App), or visit www.lifebuoyalarm.com

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio

communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Important: Changes or modifications to this equipment not expressly approved by the party responsible for compliance (Lifebuoy Ltd.) could void the user's authority to operate the equipment.

WARNING! To comply with FCC RF exposure compliance requirements, the device (home unit) should be located at a distance of at least 20 cm from all persons during normal operation. The antennas used for this product must not be co-located or operated in conjunction with any other antenna or transmitter.

Warranty

The Lifebuoy Company Ltd is hereby responsible for the proper working order of the aforementioned device according to the following conditions:

The warranty for the device is valid for a period of 12 months.

This warranty is valid only if signed by an authorized distributor of the company. We undertake to provide repair service and parts, at no cost, for parts that appear to us to be faulty and which in our exclusive opinion were damaged under proper conditions of use according to the operating instructions accompanying the device.

This warranty does not cover damage caused by falling, breaking, force majeure or negligence.

This warranty is voided if any unauthorized person repairs or attempts to repair the device, except for an authorized technician on

behalf of the company, or as a result of incorrect usage, as explained in the instruction manual.

This warranty does not confer any rights or requirements that are not included in this warranty.

The customer is required to bring the device to and from the service laboratory, at his responsibility and at his expense.

This warranty does not cover any damage caused by faulty maintenance. The warranty is only valid upon presentation of the purchase invoice. Read the operating instructions carefully and keep them for future reference.



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Mobile App

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Date of purchase

Serial no.

Invoice no.

Stamp and signature
of the seller



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