

# FALL DETECTOR FOR SWIMMING POOL

## TRITON™ Pool Alarm

TRITON™ Pool Alarm: TRIT001-US

### INSTALLATION GUIDE AND USER MANUAL

TO READ CAREFULLY AND TO KEEP FOR LATER LOOK UP

#### SYNOPSIS

<b>1</b>	<b>Introduction – Important Safety Precautions</b>	<b>2</b>
<b>2</b>	<b>Checking the package</b>	<b>3</b>
<b>3</b>	<b>Quick Start Guide</b>	<b>4</b>
<b>4</b>	<b>Operating principle</b>	<b>5</b>
<b>5</b>	<b>TRITON™ installation</b>	<b>9</b>
5.1	Placing the Batteries	10
5.2	Location choice	10
5.3	Temporary installation	11
5.4	Installation Tests	11
5.5	Final installation	12
<b>6</b>	<b>Recommendations for remote siren installation</b>	<b>13</b>
<b>7</b>	<b>TRITON™ Operating principle</b>	<b>15</b>
7.1	I want to swim	15
7.2	Automatic reset	16
7.3	Manual reset	16
7.4	Too much wind	16
7.5	Attenuated siren mode	17
7.6	Password Change mode	17
7.7	OFF mode	17
7.8	Replacing the batteries	18
7.9	I have an issue with my falling detector	18
<b>8</b>	<b>FAQ Frequently asked questions</b>	<b>20</b>
<b>9</b>	<b>Warranty and after sale services</b>	<b>23</b>
<b>10</b>	<b>Monthly Tests</b>	<b>24</b>

#### FCC REGULATION

This device complies with part 15 of the FCC Rules. Operation is subject to the following 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.

Per FCC Part 15.21, any changes or modification not expressly approved by ABTYS could void the user's authority to operate the equipment.

*Note: the manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.*

## 1 Introduction – Important Safety Precautions

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You just bought a swimming pool alarm TRITON™ and we would like to thank you for choosing our products and service.

This alarm meets requirements of ASTM standard F2208e1.

**This user guide will allow you** to install your swimming pool alarm and understand the way it works.

If you have any comments or questions, please feel free to contact your reseller, write or call us at the address below:

TRITON™ Pool Alarm Customer Care  
SafeBlue  
c/o Gestrust, 2 rue Thalberg  
Case postale 1507  
1211 Genve 1 - Switzerland

- **TRITON™ is a subsurface pool device which detects the fall of an 18+ lbs child by providing automatically sounding an alarm.**
- **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.**
- **TRITON™ isn't a rescue device: The intervention of a responsible grown-up is mandatory while the alarm rings out.**
- **Under no circumstances, your re-seller or the swimming pool alarm producer shall be liable and assume responsibility for fall or drowning of an animal or a person.**
- **Please warn all the users that the pool and its access are under electronic supervision.**

Please read carefully the safety information through out this user manual and specifically on page **xxx** of this manual.

## 2 Checking the package

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Despite the careful attention we pay to the quality of our products and their packaging, we also ask you to check its contents. The contents are:

- 1 detection unit with a black hose.
- 1 rigid tube with attachment screws.
- 1 remote alarm system.
- 4 1.5V LR20 alkaline batteries (supplied).
- 1 AC/DC Adapter (110V / 12V) for the remote system.
- 1 fixing kit (screws, washers, tapping inserts and joints) for the main unit
- 1 fixing kit (screws, tapping inserts and washers) for the remote unit.
- 1 testing sheet for validation of installation.
- 1 terms of guarantee.



Figure 1 : TRITON Pool Alarm

### 3 Quick Start Guide

#### INSTALLATION

- Insert the batteries in your fall detector. (cf. §5.1)
- Position the rigid tube.
- Put in place your detection device on the edge of your pool at the proper place being careful about the immersion depth of the tube: 8,5 in (+/- 1 in). Cut the rigid tube at the proper length if necessary. (cf. §5.2)
- Perform a fall test : Simulate somebody falling into the pool by dropping a 2.5 US gallons jerry can full of water (in order to weight 18 lbs) off the edge of the pool – the siren must sound a maximum of 20 seconds after the fall. (cf. §5.3)
- Stop the siren by entering your password (Initially 1234).
- Wait for the reset of the product in “ALARM” mode during 20mn max. (The  LED starts to blink in green).
- Immobilize the TRITON™ alongside the edge of the pool with the supplied fixation kit. Your device is now operational. (cf. §5.4)

#### UTILISATION

All the LED indicate independent states.

SIGNAGE	ACTIVATION CODE	IDENTIFICATION
 :  (blinks in green quickly) One high tone sound: PIP	11 or 22 or 33 or 44 (A double hit on any key)	« DETECTION » mode
  :  (blinks in red quickly) One low tone sound: BURP	1234 (or the password you entered)	« INACTIVE DETECTION » mode
 :  (still)	122344 1111	« PASSWORDCHANGE » mode (manual mode code followed by password change)
 :  (blinks once in green) One high tone sound: PIP	Any good entry	GOOD ENTRY
 :  (blinks once in yellow) One low tone sound: BURP	Any wrong entry	BAD ENTRY
 :  (blinks in red quickly) One low tone sound: BURP (Once every minute)	None	“LOW BATTERIES” mode Please replace the batteries as soon as possible

## 4 Operating principle

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- How TRITON™ Works?

TRITON™ detects and analyses disturbances. It was designed to detect any fall of an 18+ lbs child into your swimming-pool in the following conditions. It alerts you by triggering the powerful siren after a few seconds.

For your security and convenience, the device has three major modes:

- « DETECTION » MODE :

- TRITON™ monitors the pool and the LED  : \* blinks in green quickly.
- The siren emits a 85+ dB signal at 10 feet when triggered by the fall of a 18+ lbs body in the pool.
- The device defaults to this mode when you switch it on.

- « INACTIVE DETECTION » MODE :

- TRITON™ doesn't monitor the pool and the LED  : \* blinks in red quickly.
- The alarm won't trigger even if something or someone falls into the pool
- Select this mode using the password (initially 1234) to deactivate the siren before using the pool.
- The device defaults to this mode when you insert the batteries

○ **Warning:** the device leaves this mode 1 minute and 30 seconds after the pool becomes totally still. Then, it goes back to "DETECTION" mode. (Be patient, because this can take more than 10 minutes to happen).

**NEVER LEAVE THE POOL UNATTENDED IN THIS MODE.**

- In case of high winds, the device can't monitor the pool and could switch automatically to « INACTIVE DETECTION » mode.

- « REACTIVATION DETECTION » MODE :

- TRITON™ monitors partially the pool and the LED  : \* \* blinks alternately in red and in green quickly.
- The alarm can trigger if something or someone falls into the pool, but the performances required by ASTM standard F2208e1 are not guaranteed.
- This mode occurs when a manual activation of the system is required (cf. above) but that the pool is still agitated, just after swimming for instance or just after something or someone fell into the pool.
- The system will switch automatically to DETECTION MODE after the pool becomes totally motionless.
- The device defaults to this mode when you insert the batteries.

**NEVER LEAVE THE POOL UNATTENDED IN THIS MODE.**

- « OFF » MODE :

- TRITON™ won't monitor the pool. All the LEDs are OFF.
- None of the accidental falls will be detected.
- You can switch to this mode to change the batteries or to maintain the pool.

○ **Warning:** there is no automatic switching into « DETECTION » mode.

**NEVER LEAVE THE POOL UNATTENDED IN THIS MODE.**

To reduce your reaction time, TRITON™ includes a remote alarm system with a radio receiver which can be set up near your living room (or other convenient location). This will also sound a siren in case of fall in the pool. (Cf. §6)



Figure 2: TRITON Overview and command control

TRITON™ signage :

**IMAGE 1**

MODE	SIGNAGE MAIN DEVICE	EXPLANATIONS
DETECTION	LED  :  (blinks in green quickly)	<ul style="list-style-type: none"> <li>- Monitoring mode.</li> <li>- The siren emits a 85+ dB signal at 10 feet when triggered by the fall of a 18+ lbs body in the pool.</li> </ul> <p>To switch to this mode :</p> <ul style="list-style-type: none"> <li>- From the "INACTIVE DETECTION" mode: type any key twice. (or wait for the automatic reactivation, it could take up to 10mn)</li> <li>- From the "OFF" mode: type any key.</li> </ul>
INACTIVE DETECTION	LED  :  (blinks in red quickly)	<ul style="list-style-type: none"> <li>- Mode which allows swimming.</li> <li>- The siren won't trigger ON while you are swimming.</li> <li>- TRITON™ could switch automatically to this mode if it detects too much wind, and therefore monitoring can not be guaranteed.</li> </ul> <p><b>NEVER LEAVE THE POOL UNATTENDED IN THIS MODE.</b></p> <p>To switch to this mode :</p> <ul style="list-style-type: none"> <li>- From the "INACTIVE DETECTION" mode: type the password (initially 1234).</li> </ul>
REACTIVATION	LED  :  (blinks in red / green quickly)	<ul style="list-style-type: none"> <li>- The siren CAN emits a 85+ dB signal at 10 feet when triggered by the fall of a body in the pool.</li> <li>- TRITON™ will switch automatically to this mode if "DETECTION MODE" is activated so that it detects too much movement in the pool.</li> </ul> <p><b>NEVER LEAVE THE POOL UNATTENDED IN THIS MODE.</b></p> <p>To switch to this mode :</p> <ul style="list-style-type: none"> <li>- From the "INACTIVE DETECTION" mode: type twice on any key</li> </ul>
PASSWORD CHANGE	LED  :  (still)	<ul style="list-style-type: none"> <li>- Mode which allows you to change the password.</li> <li>- You have to enter the old password once, then, enter the new one twice.</li> </ul> <p>In case of a good password entry, the LED  will blink in yellow during one second for each try.</p> <p>To switch to this mode : type 122344 (manual mode code) + 1111 (password change code)</p>

- Default Signage

Default	Signage
LOW BATTERIES	<p>LED  :             (blinks in red quickly)            +            One low tone sound once in a minute (BURP)</p>
HARDER DEFAULTS (the device requires maintenance)	<p>LED  :             LED  :             LED  :             (all the LEDs are blinking in three different colors)</p>

## 5 TRITON™ installation

### INSTALLATION PRECAUTIONS

- Check that the sirens are audible from inside your house.
- Your falling detector should be installed during a clear day and on a still pool.
- The alarm system should be installed in a place where the water depth is at least 12 in.
- The probe (rigid tube + flexible hose) should potentially be cut to have an immersion depth of 8.5 in (+/-1 in). It's advised to install a water level regulator. Please ask advice at your local seller.
- Please make sure that your pool water is clear and clean before installing your new device.
- Few cleaning robots (for instance "diving" ones) are incompatible with falling detector systems.
- The proper performance of TRITON™ is not correctly achieved if used in parallel with tarpaulins.
- **WARNING:** TRITON™ is kitted up with a powerful siren (more than 100dB). Please be careful and pay attention to your auditory system during the installation in case of triggering.

#### Necessary tools for the installation:

- 1 cross-shaping screwdriver.
- 1 tape measure.
- 1 2.5 US gal. jerry can.
- 1 6ft rope
- 1 Ø 0,31 in (8mm) concrete drill and the associate driller
- 1 hacksaw
- 1 pen

The installation of your falling detector happens in 6 steps:

- 5.1 – Replacing the Batteries
- 5.2 -- location choice
- 5.3 -- Temporary installation
- 5.4 -- Installation tests
- 5.5 -- Final installation
- 5.6 -- Validation tests

**DURING THE INSTALLATION OF YOUR FALLING DETECTOR, A RESPONSIBLE ADULT/GROWN UP **MUST** KEEP WATCHING OVER THE POOL.**

## 5.1 Placing the Batteries

CAUTION! The flexible hose and the main unit are fitted together, please handle with care.

- Remove the cover. **IMAGE 1**
- Return the cover and look at the batteries location.
- Insert the 4 LR20 batteries in their proper slot, respecting their polarities. **IMAGE 2**
- You can see the LED  : \* (blinks in green). Your device is in "DETECTION" mode.
- Put back the cover on the base and hold down - without screwing down the screws - while inserting the black hose in the rigid tube. **IMAGE 3 et 4**

## 5.2 Location choice

Before starting to install your device, please ensure choosing the most suitable location, by following the guidelines thereby:

-- Avoid setting up your device on the edge of your pool before checking the proper position which will allow the best monitoring place.

-- When choosing the proper detection place for the device, you should ensure that the siren is audible from the inside of your house.

Your falling detector should be **placed in the middle of the largest length** on a brink (recommended position for rectangular shaped pool). If your pool doesn't fit any of the configurations below, **please ask for advice at your reseller**.

Check that the access to the command keyboard is convenient and easy.



Please take the necessary precautions to ensure that the TRITON™ is at more than a meter away from the filtration system (pushback noses, sluice gate, skimmer, and vacuum cleaner plug), waterfall or any equipment which can locally move the pool.

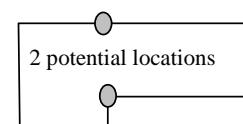
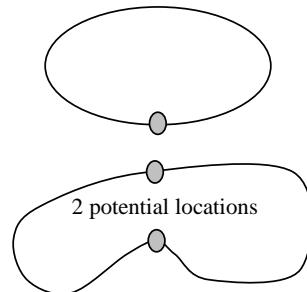
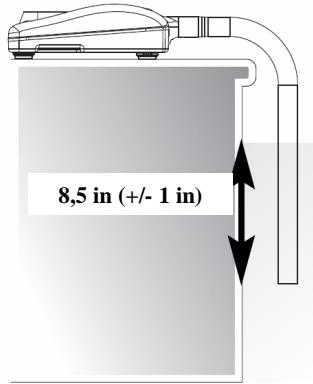
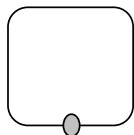
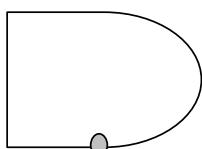
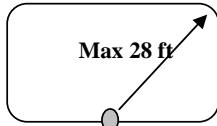


Your falling detector can be used on pools measuring 20x40 feet (6 x 12 m) maximum, and it should not be at more than 28 feet (8.5m) from all the potential falling points.



For a swimming-pool with bigger dimensions or with a particular shape, please ask for advices at your reseller.

EXAMPLES:



 : Recommended location for your central detecting unit

**IMAGE 1** : Appareil sans sonde rigide avec main + tournevis

Commentaire : En  
Français ????

**IMAGE 2** : Couvercle retroussé – Visi zone bloc pile – 2 piles en place – Une 3<sup>ème</sup> dans la main en approche

**IMAGE 3** : Couvercle remis en place – sonde rigide en approche sur tuyau noir souple

**IMAGE 4** : Sonde rigide mise en place avec main pour illustrer appareil fini

### 5.3 Temporary installation

- Put the 3 stabilizing foams under the unit. **IMAGE 1**
- Position the device at the chosen location paying attention to the minimum distance of 0.2 in between the probe and the edge. **IMAGE 2**
- Check the immersion depth. If your probe is 8.5+ in. deep, cut it carefully using a hacksaw (rigid tube and black hose at the same time) to get the proper immersion depth (If the water level of the swimming pool is voluntarily decreased, adapted probe extensions are available at your reseller store).
- Your device is in "INACTIVE DETECTION" mode: you shall push twice on any key to switch him to "DETECTION" mode.

**IMAGE 1** : Vue de dessous appareil avec MEP mousses

**IMAGE 2** : Illustration distance 5mm sonde/bord margelle |

Commentaire : Français ?

### 5.4 Installation Tests

- Please check that the pool is calm. If you have upriver swimming system, stop it.
- Prepare a 2.5 US gal. Jerry can with enough water to weight 18 lbs (8kg) and tie a 6 feet rope to get it back after the falling tests.

NOTE: If desired, you have the opportunity to perform your tests in attenuated siren mode (facultative). In this mode, the siren is attenuated and stops by itself after 5 seconds. See chapter 7.5 page X for more details.

- For these tests, TRITON™ should be in "DETECTION" mode (the LED  : \* (blinks in green)). If this is not the case, please type the "DETECTION" code (press any key twice).
- If despite these actions, the LED  doesn't blink in green, it means that the pool is too commoved. You should wait for your pool to stabilize before performing your tests.

- Fall test

Check that your device is in « DETECTION » mode. (The LED  : \* blinks in green)

- Choose the furthest position from your falling detector. **IMAGE 3**
- Simulate a body fall by making fall the 18 lbs jerry can from the top of the swimming pool's edge.
  - o The siren must ring out in less than 20 seconds after the fall.
  - o Enter your password to stop the siren.

Wait for the automatic reset of the falling detector. (The LED  : \* blinks back in green)

- Choose a position 3 feet away from your falling detector. **IMAGE 4**
- Simulate the body fall by making fall the 18 lbs jerry can from the top of the swimming pool's edge.
  - o The siren must ring out in less than 20 seconds after the fall.
  - o Enter your password to stop the siren.

The test is achieved.

**IMAGE 3** : Vue test chute point le + éloigné (coin opposé piscine rect.)

During these tests, after any fall, it is necessary to wait for the automatic reset of the TRITON™ before making another one. Depending on the wind and quietness of the pool, this reactivation could take more than 10mn.

If one of those tests fails:

- Consult the chapter 8.

- Contact your local reseller
- Contact our technical support : [tech\\_support@safeblue.com](mailto:tech_support@safeblue.com)

All those tests have been validated; you can proceed the final installation of your device.

## 5.5 Final installation

Remove the rigid tube a few centimeters to free the cover. [IMAGE 1](#)

- Remove the cover of your falling detector.
- Locate the 3 holes deep down the base.
- Place the base on the brink in order for the rigid tube to be at more than 5mm from the edge. [IMAGE 2](#)
- Using something like a fibre tip pen, make 3 dots through the 3 holes to locate them and drill them in your brink.
- Remove the base from the brink. [IMAGE 3](#)
- Drill the 3 holes with the Ø 0.3 drill and put in the tapping inserts. [IMAGE 4 et 5](#)
- Position the 3 white stabilization foams under the base in their designed locations. [IMAGE 6](#)
- Locate and settle the base with the 3 washers and screws (the 3 washers should be installed inside the case). [IMAGE 7](#)
- Put in place the 4 little black joints on the base and screw securely. [IMAGE 8](#)

**WARNING: The joints and foams installation should, like the fixation, be performed with care to guarantee the waterproofness and the good operating state of your device.**

- Check that the 2 main black joints are correctly positioned in their location on the base.
- Put back in place the cover and screw down the 4 screws. (Don't use an electric screwdriver).
- Put in place the 4 protection caps. [IMAGE 9](#)
- Put back the rigid tube and screw-down the small screw. [IMAGE 10](#)
- Check one more time the good operating state of the device:

- Switch on "INACTIVE DETECTION" mode by typing the password (initially 1234).

(The LED  : \*blinks in red and you'll hear a BURP)

- o Wait for the automatic reset (The LED  : \*blinks back in green)
- o Make a fall test from the furthest point
- o If the fall is detected within 20 seconds, your installation is complete.

- Wait for the automatic reset of the TRITON™ before leaving the pool side.
- Fill in the validation test form and send it to the following address :

TRITON™ Customer Care  
SafeBlue  
c/o Gestrust, 2 rue Thalberg  
Case postale 1507  
1211 Genève 1 - Switzerland

[IMAGE 1](#) : Tube retiré de 2 à 3 cm avec main  
[IMAGE 2](#) : Illustrer les 5mm  
[IMAGE 3](#) : Repère position trous margelle  
[IMAGE 4](#) : Perçage margelle  
[IMAGE 5](#) : MEP chevilles  
[IMAGE 6](#) : Mise en place mousses

[IMAGE 7](#) : Fixation base sur margelle  
[IMAGE 8](#) : MEP petit joints  
[IMAGE 9](#) : MEP capuchons  
[IMAGE 10](#) : Fixation vis sur tube coudé

## 6 Recommendations for remote siren installation

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To install and use your remote siren, you will need the following elements and tools:

- 1 remote siren (the red and white case)
- 1 power supply 110V/12V, 450mA
- 1 fixation kit (bag including 2 screws and tapping inserts)
- 1 cross-shaping screwdriver.
- 1 Ø 0.25 in (6mm) concrete drill and the associate driller.

### IMAGE 1

The remote siren shall be installed 70 feet max. away from TRITON™. This is not an outdoor siren and so should be installed in premises away from bad weather.

#### - **Operating principle**

- The remote siren is remotely driven by the TRITON™ via radio frequencies.
- If a fall is detected by TRITON™ in the pool, the TRITON™ siren and the remote siren will trigger simultaneously.
- It is impossible to stop the sirens from the remote device. It is imperative to go to the pool, check what triggered the sirens, act if necessary and stop the sirens by typing the password. (initially: 1234)
- Like the TRITON™ main device, if you don't stop the siren by typing the password after a trigger, the remote siren will stop automatically after 3 minutes.

#### - **Synchronization**

To enable a link between the TRITON™ and the remote siren, you should synchronize the two devices.

- a) Choose a location for your remote device
  - 70 feet away (max) from the TRITON™
  - Near an electrical plug.
- b) Plug the power supply to the remote siren. IMAGE 2
- c) Plug the power supply on the electrical plug, a PIP sound, and your remote device is installed. IMAGE 3
- d) Launch the synchronization mode of the remote system by pressing the black button on the side of the red and white case.
- e) Switch on MANUAL mode by typing the manual code 112344 on your TRITON™. (The LED  blinks in yellow). IMAGE 4
- f) Launch the synchronization of the TRITON™ by pressing the synchronization code 3333 ((the LED  blinks in green). The remote siren should beep.
- g) Stop the synchronization mode of the remote system by pressing the black button on the side of the red and white case.
- h) Switch your TRITON™ to DETECTION mode by typing your password (initially 1234). Both systems should beep.
- i) Perform a falling test in your pool to validate your radio link. Stop both sirens by typing the password (initially 1234).
- You can synchronize one or more TRITON™ with one or more sirens. In that case you should repeat on each TRITON™ the e) and f) steps followed by pressing the black button on each remote siren(s).
- You can reset the remote siren by pressing lengthily on the black button (3 seconds). You will have to restart the whole synchronization process.

#### - **Installation**

- Once the location has been chosen and validated, drill 2 holes with the Ø 0.25 in. drill one on top of the other at 3.5in. of distance. To ease the radio link, it is recommended to place the siren as high as possible on your wall. (pay attention to the power supply wire). **IMAGE 5**
- Insert the 2 tapping inserts in the 2 new holes.
- Screw down the 2 screws through the siren in the tapping inserts.

**IMAGE 1** : Images des composants de la sirène **IMAGE 2** : Connexion prise jack à la sirène **IMAGE 3** : Connexion adaptateur sur secteur **IMAGE 4** : Appui bouton noir **IMAGE 5** : Fixation murale

## 7 TRITON™ Operating principle

### PRÉCAUTIONS D'UTILISATION

- TRITON™ can NOT be a substitute for parents' watchfulness and/or responsible grown-ups, which remain the most reliable method of 5- years old children safety.
- The intervention of a responsible grown-up is mandatory while the alarm rings out.
- A few unfavorable meteorological conditions (strong wind, storms ...) plus the use of a few powerful cleaning tools could cause inopportune triggers.
- Your alarm system is inoperative if the water in the probe is frozen or if the swimming pool surface is frozen. It is hard to know when the water starts to freeze in the pipe. In case of doubt, please check the proper operating state of your falling detector.
- For the external cleaning of your device, please avoid using high pressure unit, abrasive brush and/or any tool that can stripe or impair your falling detector.
- The proper performance of TRITON™ is not correctly achieved if used in parallel with tarpaulins.
- To guarantee the good operating state of your device, please maintain the water clear and clean. (Notably, to avoid the formation of algae in the probe).
- In case of restart of your falling detector after an extended stop, please proceed the tests explained in § 5.4. In case of issue, please contact immediately your local seller.
- Regarding the maintenance of the device after the first installation, only replacing the batteries is allowed.
- Check regularly, the proper performance of your falling detector by running monthly control tests appearing at the end of this manual. (See §11).
- A few cleaning robots (for instance "diving" ones) are incompatible with falling detector systems.
- The person setting up the device should be aware that another person should monitor the pool.
- A person's watchfulness and/or a responsible grown-up are necessary between the end of the swim and the automatic reset of the alarm system.

### 7.1 I want to swim

- Your falling detector watches out (i.e. : « DETECTION » mode activated (The LED  : \*blinks in green)
- Type your password (initially 1234). (Inactive detection mode activated: The LED  : \*blinks in red and a low tone sound (BURP) is heard)
- You can swim.

After the swim, the pool won't be monitored until the automatic reset which will occur while the pool is quiet. Typically, the reset occurs after 10 mn approximately.

**DURING THIS PERIOD, A RESPONSIBLE ADULT/GROWN UP MUST KEEP WATCHING OVER THE POOL.**

## 7.2 Automatic reset

- Your falling detector keeps on checking the agitation state of the pool. As soon as the pool is sufficiently quiet, after a swim or a strong perturbation (strong wind, upriver swimming system ...) **your falling detector switches automatically to REACTIVATION mode** (the LED  : \*blinks in green / red). The fall detector is active but downgraded.
- As soon as the pool is fully quiet, your falling detector switches automatically to "DETECTION" mode (the LED  : \*blinks in green). This could take more than 10 minutes.

Your pool is now secured.

**WARNING: It is possible that the device changes to DETECTION mode if you are in the pool without making any disturbances.**

## 7.3 Manual reset

After a swim, you can signal to your falling detector that your pool is let unused, in order for it to restart the monitoring faster.

You are in one of the 3 cases below:

**Commoved pool: Case 1**

**Lightly commoved pool: Case 2**

**Quiet pool: Case 3**

Press twice on any key while leaving the pool.

Case 1: Your falling detector measures that your pool is too commoved. In that case, your device understands your request by responding with a high tone sound (PIP) but can't restart immediately the monitoring. The LED  : \*blinks in red. It will progressively start the monitoring as the pool becomes quiet.

**DURING THIS PERIOD, A RESPONSIBLE ADULT/GROWN UP MUST KEEP WATCHING OVER THE POOL.**

Case 2: Your falling detector measures that your pool is lightly commoved. In that case, your device understands your request by responding with a high tone sound (PIP) and restarts monitoring but can't guarantee the detection of a 8kg fall. The LED  : \*blinks once in red followed by a green blink and so on. It will progressively start the monitoring as the pool becomes quiet.

**DURING THIS PERIOD, A RESPONSIBLE ADULT/GROWN UP MUST KEEP WATCHING OVER THE POOL.**

Case 3: Your falling detector considers that your pool is quiet. It restarts the monitoring by switching the LED  : \*in green and validating the choice with a high tone sound (pip).

**YOUR POOL IS SECURED.**

## 7.4 Too much wind

In some cases, while the meteorological conditions are too unfavorable (strong wind, heavy rain, thunderstorms ...), your falling detector is susceptible to stop its monitoring. The LED  : \*blinks in red.

**DURING THESE BAD CONDITIONS, YOU SHOULD IMPERATIVELY INCREASE YOUR WATCHFULNESS**

WARNING: TRITON™ performances are not guaranteed beyond the wind level specified in the ASTM standard F2208-02<sup>e1</sup>.

## 7.5 Attenuated siren mode

In this (facultative) mode, your siren is sounding shortly and with a low power to enable you doing your installation and monthly tests without annoying the neighborhood.

- The test mode lasts for 5mn.
- Entering and going out of test mode will be validated by a high tone sound (PIP) and a low tone sound (BURP), respectively.

To enter the test mode, please enter the manual mode code (122344: the LED  blinks slowly in yellow and a high tone sound is heard (PIP)) then enter the test code (1133) : the test mode will be validated by the LED  blinking once in green and a high tone sound (PIP).

While the device goes out of the test mode, the siren makes a low tone sound (burp).

## 7.6 Password Change mode

In this mode, you can change the password that enables you to switch from "DETECTION" mode to "INACTIVE DETECTION" mode.

To change the password:

- Enter the manual mode code (122344): the LED  blinks slowly in yellow and a high tone sound is heard (PIP).
- Enter the password change code (1111): the mode will be validated by the LED  blinking once in green and a high tone sound (PIP).
- Enter your new password. The new password will be validated by the LED  blinking once in green and a high tone sound (PIP).

In case of bad entry or any entry which contains wrong key combinations (any password starting with a double key (11xx, 22xx, 33xx, 44xx) or 1223 and 3444, already used for the OFF and MANUAL code) The bad entry will be cancelled and indicated by the LED  blinking once in yellow and a low tone sound (BURP).

After a good or wrong password entry, the device goes out of the "password change" mode.

## 7.7 OFF mode

While the TRITON™ is OFF, all the LEDs are turned OFF.

**While TRITON is OFF, a human or another safety system should keep watch of the pool, if in use by children!**

To stop the device, enter the 3444 code followed by your password (1234 initially). TRITON™ validates by the LED  blinking once in green and a high tone sound (PIP) will be heard.

### ***IMAGE 2 idem P4***

- To reactivate TRTION™ :
  - Press any key twice (for instance 11 or 22 ...)
  - TRITON™ will validate by the LED  blinking once in green, a high tone sound (PIP), will be heard and the LED  blinks in red quickly.

- Wait for an automatic reset (the LED  :  switches in green and you hear a high tone sound (PIP)) or type any key twice again. (Same signals as for the automatic reset).

**Please ensure that TRITON™ is activated and monitoring out the pool before leaving it.  
Otherwise, the highest WATCHFULNESS of a responsible grown-up is mandatory.**

## 7.8 Replacing the batteries

When batteries are low, TRITON™ will warn you by:

- The LED  :  blinks in red quickly.
- One low tone sound (BURP) beeps once in a minute.

In that case, replace immediately and as soon as possible the 4 alkaline batteries C (1.5V) by 4 new batteries of the same type. Check the expiration date of the new batteries.

To preserve nature, please dispose appropriately of the used batteries by taking them to your local reseller or placing them in appropriate battery bins.

We advise you to change the batteries before every new summer season.

To replace the batteries, please follow the following instructions:

- Switch off the TRITON™ (see §7.6 upper)
- Remove with care the 4 caps with the help of a flat screwdriver.
- Unscrew the 4 screws and remove the cover.
- Remove the used batteries.
- Place the new batteries in their location respecting their polarities. **IMAGE 2**
- You will hear a validation signal. TRITON™ is in INACTIVE DETECTION mode.
- Put back the cover in place, screw down the 4 screws.
- Put back the rigid tube in position and screw back its screw on top of the tube. **IMAGE 3**
- It's imperative to put back the protection caps on top of the screw wells.

Proceed with a few falling tests to validate the performance of your falling detector.

**IMAGE 1** : Retirer tude qques cm **IMAGE 2** : MEP piles neuves **IMAGE 3** : Fixation tube rigide avec vis

## 7.9 I have an issue with my falling detector

### 7.9.1 All the LEDs are blinking

LED  : 

LED  : 

LED  : 

All the LEDs are blinking in three different colors.

TRITON™ warns you that it has a hard operating issue.

TRITON™ needs to be returned to our after-sale service.

Please send back your device, with your address and a copy of proof of purchase, to the following address:

**TRITON™ Pool Alarm Customer Care**  
SafeBlue  
c/o Gestrust, 2 rue Thalberg  
Case postale 1507  
1211 Genève 1 - Switzerland

### 7.9.2 I can not find the origin of the problem

The LEDs of your device are not blinking like described above and you cannot find the origin of the problem.

In this case, please contact our after-sale service by phone, mail or email:

■ E-mail : [infoconso@safeblue.com](mailto:infoconso@safeblue.com)

■ Address :

**TRITON™ Pool Alarm Customer Care**

SafeBlue

c/o Gestrust, 2 rue Thalberg

Case postale 1507

1211 Genève 1 - Switzerland

To enable us to give you a quick answer, please give us a short description of the problem. Please send our technicians, your address and a quick drawing of your swimming-pool with its dimensions (length, width, depth, special shapes if needed) plus the positions of the filtration system (pushback noses, sluice gate, skimmer, vacuum cleaner plug) or anything you may have that can create perturbations like an upriver swimming system. To finish, add to the drawing the position of your falling detector on the edge of your pool.

All this information will help our technicians to understand the issue with your device and to solve it quickly.

## 8 FAQ Frequently asked questions

### During the installation

QI2. When a 18+ lbs (8kg) body falls in the pool during the tests, my siren triggers after 20 s or doesn't trigger, why?

RI2.1. Your pool has dimensions bigger than 20 x 40 feet or a really special shape. One detector isn't sufficient. Ask advice at your local reseller.

RI2.2. Your falling detector isn't installed in the recommended location. The fall is realized beyond the 28 feet detection radius. Please move it to the recommended location. See §5.2

RI2.3. If none of these conditions seem to be the source of the problem, please ask advice at your local reseller or contact our after sale service: [tech\\_support@safefblue.com](mailto:tech_support@safefblue.com)

### During the utilization

QU1. The siren triggers in an inopportune way.

RU1.1. The meteorological conditions are too unfavorable (strong wind, thunderstorms...) and disturb the functions of the device.

RU1.2. Your cleaning robot isn't compatible with your falling detector. It creates an event assimilated or identical to a child fall. Please ask advices to your local reseller.

RU1.3. If none of those conditions seems to be the dysfunction origin, please ask advices to your local reseller or contact or after sale service: [tech\\_support@safefblue.com](mailto:tech_support@safefblue.com)

### GENERAL SECURITY TIPS

This alarm system can not substitute for parents' watchfulness and/or responsible grown-up, which remains the essential factor for 5- years' old children safety. It substitutes neither to horse sense nor to individual responsibility.



### WARNING

**Improper installation, testing, maintenance or operation of this product can make the alarm fail to sound, increasing the risk of drowning.** Follow all instructions in this document to reduce this risk.

### IMPORTANT SAFETY INFORMATION ABOUT YOUR POOL ALARM

**Even when correctly installed, maintained, tested, and operated, this alarm cannot completely prevent drowning:**

- **In some situations, the alarm will not sound when a child enters the pool.**
  - If a child enters the pool slowly or gradually, without disturbing the water much, the alarm may not detect it.
  - The alarm may not detect very small child (under 18 lbs) entering the pool.
  - When weather (e.g., wind) or other factors disturb the water, the alarm automatically reduces sensitivity or becomes INACTIVE DETECTION, to prevent excessive false alarms. When this happens, a child may enter the pool without the alarm sounding.
  - When the alarm is INACTIVE DETECTION to allow swimming, it will not sound if a child enters the pool or if a child is drowning.
  - After swimming with the alarm in INACTIVE DETECTION mode, the alarm will not sound if a child enters the water until the device switches in DETECTION mode. Depending on the time the water lasts to calm down, the reactivation may take more than 10 minutes (depending on weather conditions).



- The alarm will not operate if the water in the probe is frozen or the surface of the pool is frozen.
- If the alarm is in off mode, the alarm will not sound.
- If the alarm is in attenuated mode, the alarm sound will be quieter than usual and may not be heard.
- The proper performance of TRITON™ is not correctly achieved if used in parallel with tarpaulins.
- **The alarm does not rescue children from the water.** When the alarm sounds, a rescuer must respond immediately – a child rescued in less than 1 minute has a good chance of survival, but the odds of surviving rapidly decline the longer the child is immersed. To increase the chance of rescuing a child who enters the pool, a responsible adult capable of rescuing a child must be present, able to hear the alarm, and ready to respond immediately. Even an immediate response when the alarm sounds does not guarantee survival; the only sure way to prevent drowning is to keep children out of the pool.
- **The alarm does not prevent children from entering the pool.** Use adult supervision and barriers, such as fences, enclosures, or pool covers, to keep children from entering the pool.
- **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. This device may not detect children entering the water gradually.
- **Check local requirements to determine the safety measures that are required in your jurisdiction.** Consider using multiple layers of protection, in addition to adult supervision and this pool alarm, DO keep children away from the pool or alert adults to their presence. For more information, contact the Association of Pool and Spa Professionals ([www.TheAPSP.org](http://www.TheAPSP.org)).



- **This alarm does not replace responsible adult supervision.**
- **Whenever children are in an area where they have access to the pool:**
  - Assign an adult to be in charge of watching the children. This person must stay close to the children and actively look at what the children are doing at all times. Make sure that the adult is aware of his responsibility and that if he leaves, he must ask another adult to take over.
  - Make sure the adult, in charge of watching the children, is able to swim in order to rescue the victim and is able to call for emergency assistance. The adult should understand how the alarm works and know not to rely on the alarm in place of actively watching the children.
  - If there are many children nearby the pool, it may be necessary to assign multiple adults to watch them.
  - When the alarm is INACTIVE DETECTION to allow swimming, it will not sound if a child enters the pool or if a child is drowning, so adult supervision is particularly important.
- **When children are not in an area where they have access to the pool:**
  - Make sure that adults understand that they must keep children away from the pool, even with the alarm in place.
  - Make sure any adult who uses the pool understands how to operate the alarm, and that they must monitor the pool after swimming until the alarm returns to DETECTION mode.

#### GENERAL SWIMMING POOL SAFETY TIPS

- Teach children how to swim as early as possible. Never leave a child who can not swim yet unattended close to the pool. Consider putting Personal Flotation Devices (PFDs) on children who can not swim properly.
- Learn first aid and CPR.
- Prohibit diving and jumping when small children are in the pool. Prohibit running and playing around the pool.

- Don't leave pool toys and floats in the pool or around. These may attract young children to the water.
- Always keep the pool water clear and clean.
- Keep a telephone and list of emergency numbers accessible near the pool to call for help in case of emergency, or to answer the phone without leaving children unattended.
- Keep rescue equipment, including a life ring and shepherd's hook, near the pool.
- Wet the back of the neck, arms and legs before entering cold water in order to accustom the skin to the water temperature and reduce the risk of a "cold shock" response.

#### **How to rescue a child from the pool**

1. Extend a long object, such as a pole, shepherd's hook or towel, and pull in the child, or throw the child a floating object.
2. If the child is not responsive, grab a float and jump into the water. Turn the child face up, bring him or her to shallow water or pool steps, and lift the child up onto dry ground.
3. Yell for help and have someone call emergency services. If no one else is nearby, rescue the child first, begin CPR for one minute, and then call emergency services.
4. Roll the child onto his or her back while supporting the head and neck. Begin CPR if you are trained. If you are not trained in CPR, follow the instructions from the emergency personnel.
5. Replace wet clothes with warm blankets.

## 9 Warranty and after sale services

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### **WARRANTY COVER**

ABTYS shall provide the purchaser of this product (TRITON™) with the services presented below. ABTYS, the manufacturer warrants TRITON™ against any defects in materials and workmanship for a period of 2 years from the date of first purchase:

- Alarm system & siren-2 year parts and labor; and any consumables (e.g. batteries, dehydrating sachets, magnets, etc.) included in the original TRITON™ - 90 days free replacement.

**Warranty replacement or repair will not extend the 2 years period of warranty.**

**If TRITON™ proves to malfunction due to a defect in materials or workmanship during the guarantee period, ABTYS shall either replace or repair the device (during the immobilization period be sure to increase active monitoring of your pool). IN NO EVENT OR CIRCUMSTANCES shall ABTYS be held responsible for any other costs, charges, expenses, losses or damages (indirect or otherwise), of any kind whatsoever.**

**ABTYS reserves the right to replace the repairable parts with new or as-new parts.**

As a pre-condition to any warranty, you must: (i) install the alarm system in compliance with the applicable product documentation; (ii) successfully perform any installation tests required in the applicable product documentation; (iii) conduct regular maintenance and tests of the alarm system as set forth in the applicable product documentation.

This warranty constitutes ABTYS's entire responsibility with regard to the products and services supplied pursuant to this guarantee

This warranty shall be null and void in the event of any transfer of ownership of the alarm system.

### **WARRANTY EXCLUSIONS**

The warranty does not apply to products on which the original identification marks have been removed or modified and does not apply to and does not cover loss or damage for any defects or failures resulting from an accident, shock, negligence or misuse; a failure or defect in the electrical supply; in an external electrical circuit; lightning; the use of parts not supplied by ABTYS and unauthorized repaired work; prolonged immersion having degraded components; any unusual physical or electrical constraint; modification, adjustment, repair, maintenance or installation of a part by any other party than ABTYS approved subcontractors and retailers or due to any other cause which, at ABTYS's discretion, does not result from a defect in materials and workmanship .

The warranty does not apply to normal discoloration, fading, or minor deteriorations of exterior surfaces resulting from exposure to the elements, except if it affects performances.

### **WARRANTY DISCLAIMERS**

EXCEPT FOR THE WARRANTIES SET FORTH ABOVE, MG INTERNATIONAL HEREBY DISCLAIMS ANY AND ALL REPRESENTATIONS AND WARRANTIES OF ANY KIND, EXPRESSED OR IMPLIED, WHETHER ARISING FROM A COURSE OF DEALING OR USAGE OF TRADE, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NON-INFRINGEMENT.

**Proper installation, use and maintenance are the responsibility of the user. ABTYS shall not be liable and assumes no responsibility, and users renounce to any right of action against ABTYS, for any damages arising out of any breach of warranty and for any loss, injury or damage to persons or property, including but not limited to accidental, consequential, special damages, financial loss, all damages due to weather and acts of god, and for the death of any person arising from the purchase, use of the alarm system or inability to use the alarm, operation or maintenance of the TRITON.**

TRITON™ IS NOT A REPLACEMENT FOR COMMON SENSE OR INDIVIDUAL RESPONSIBILITY. SWIM ALERT'S PURPOSE IS NOT TO BE A REPLACEMENT FOR RESPONSIBILITY AND VIGILANCE BY A PARENT AND/OR RESPONSIBLE PERSON, WHICH REMAIN THE VITAL FACTOR IN PROTECTING CHILDREN AND DEPENDANT PERSONS.

*No clause in this guarantee affects the user's statutory rights.*

## 10 Monthly Tests

To control the good performance of your TRITON™, it is mandatory to proceed monthly control tests (see page X) and write down the results on the form below:

**In case of dysfunction, warn your local reseller without waiting and take the necessary decisions regarding your pool access and it security.**

Reseller destination .....  
Device ID number .....  
Purchase date.....

1. Test achieved the .....	2. Test achieved the .....
Passed <input type="checkbox"/> - failed <input type="checkbox"/>	passed <input type="checkbox"/> - failed <input type="checkbox"/>
3. Test achieved the .....	4. Test achieved the .....
Passed <input type="checkbox"/> - failed <input type="checkbox"/>	passed <input type="checkbox"/> - failed <input type="checkbox"/>
5. Test achieved the .....	6. Test achieved the .....
Passed <input type="checkbox"/> - failed <input type="checkbox"/>	passed <input type="checkbox"/> - failed <input type="checkbox"/>
7. Test achieved the .....	8. Test achieved the .....
Passed <input type="checkbox"/> - failed <input type="checkbox"/>	passed <input type="checkbox"/> - failed <input type="checkbox"/>
9. Test achieved the .....	10. Test achieved the .....
Passed <input type="checkbox"/> - failed <input type="checkbox"/>	passed <input type="checkbox"/> - failed <input type="checkbox"/>
11. Test achieved the .....	12. Test achieved the .....
Passed <input type="checkbox"/> - failed <input type="checkbox"/>	passed <input type="checkbox"/> - failed <input type="checkbox"/>
13. Test achieved the .....	14. Test achieved the .....
Passed <input type="checkbox"/> - failed <input type="checkbox"/>	passed <input type="checkbox"/> - failed <input type="checkbox"/>
15. Test achieved the .....	16. Test achieved the .....
Passed <input type="checkbox"/> - failed <input type="checkbox"/>	passed <input type="checkbox"/> - failed <input type="checkbox"/>
17. Test achieved the .....	18. Test achieved the .....
Passed <input type="checkbox"/> - failed <input type="checkbox"/>	passed <input type="checkbox"/> - failed <input type="checkbox"/>
19. Test achieved the .....	20. Test achieved the .....
Passed <input type="checkbox"/> - failed <input type="checkbox"/>	passed <input type="checkbox"/> - failed <input type="checkbox"/>
21. Test achieved the .....	22. Test achieved the .....
Passed <input type="checkbox"/> - failed <input type="checkbox"/>	passed <input type="checkbox"/> - failed <input type="checkbox"/>
23. Test achieved the .....	24. Test achieved the .....
Passed <input type="checkbox"/> - failed <input type="checkbox"/>	passed <input type="checkbox"/> - failed <input type="checkbox"/>

<p><b>Product reference:</b> <b>TRITON™ Pool Alarm – TRIT001-US</b></p> <p><b>Manufacturer:</b> SafeBlue c/o Gestrust, 2 rue Thalberg Case postale 1507 1211 Geneve 1 - Switzerland</p>
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