WATER IMMERSION DETECTOR ALARM SYSTEM
FOR SWIMMING POOLS
Remote control Kit DSP70-A1

PRELIMINARY VERSION

User and Installation Notice

To read attentively and to conserve for further consultation (version 8.3)

The alarm system **OCEAPROTECT** conforms with the NF P 90-307

This alarm system replaces neither the common sense nor the individual liability.
Its purpose is not to replace the vigilance of the parents and/or the responsible adults, which remains the main factor of protection of children under five years old.

WARNING

A WRONG POSITIONING OR A NON CONFORM INSTALLATION MAY CAUSE DYSFUNCTIONS OF THE ALARM SYSTEM

PLEASE READ CAREFULLY THIS NOTICE BEFORE PUTTING THE SYSTEM INTO SERVICE

1- The contents of this booklet may be subject to changes without any prior notice.

2- Due to printing restrictions the symbols displayed in this manual can differ from the ones in the product.

3- The contents of this booklet cannot be reproduced without the authorization of the manufacturer.

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1 Components of the kit :

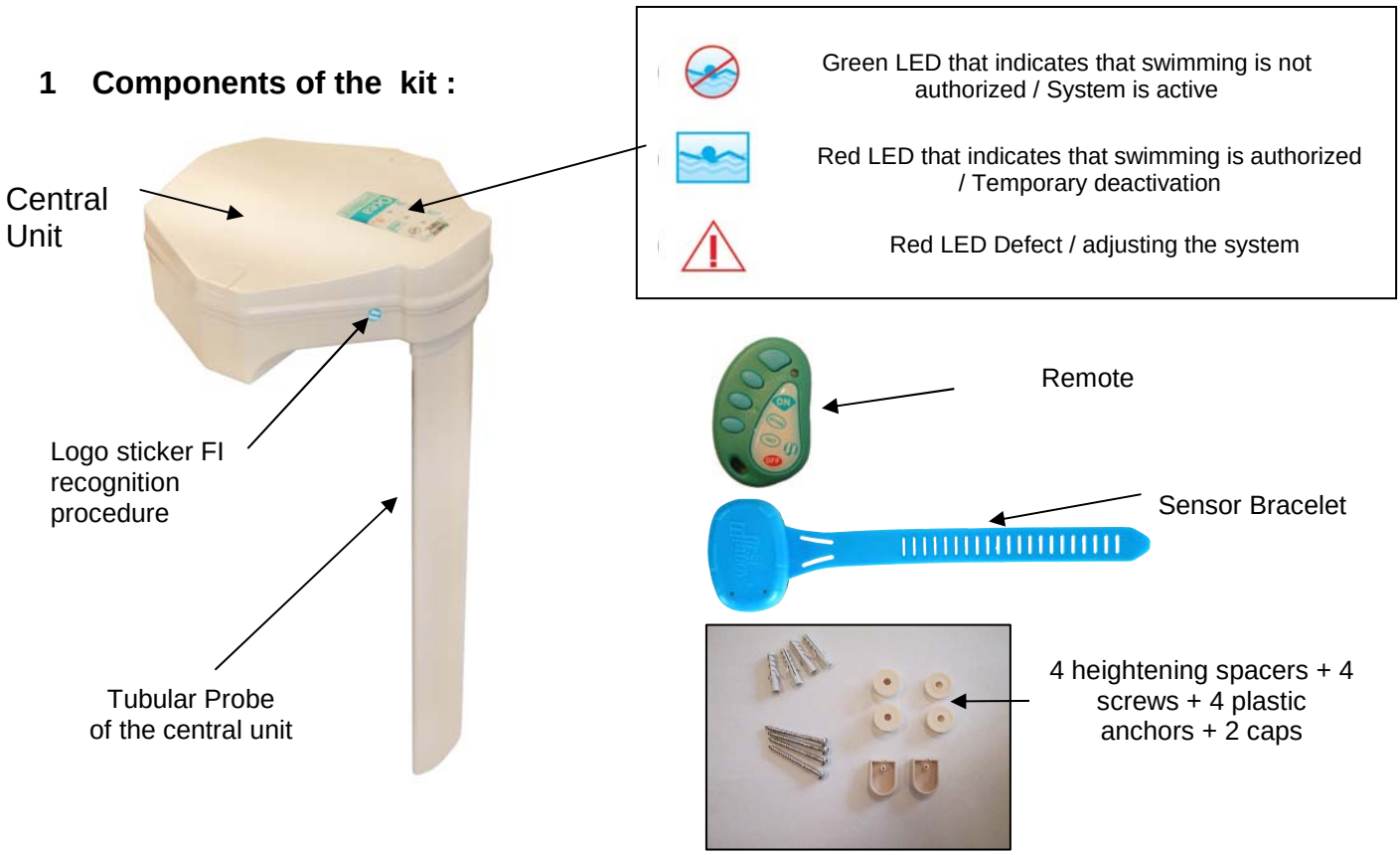

Figure 1 : Composition of the Kit

First of all, it is advisable to check that the product is complete and that you have all the following items :

- The remote Control 4 buttons
- The Sensor bracelet
- The Central unit
- A bag containing 1 kit of screws: 4 screws diameter 4mm, 4 plastic anchors and 4 heightening spacers (2 different thickness)
- The warranty and the operation sheet to return back to us
- The user and installation Notice
- The Certificate of Conformity LNE
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2 FUNCTIONAL DESCRIPTION OF THE OCEAPROTECT SYSTEM

Oceaprotect is an alarm system that has been certified to be in conformity with the standard NF P 90-307 by the LNE (National Laboratory for tests). This alarm system detects the fall or the immersion of a child into the pool.

2.1 Central Alarm Unit :

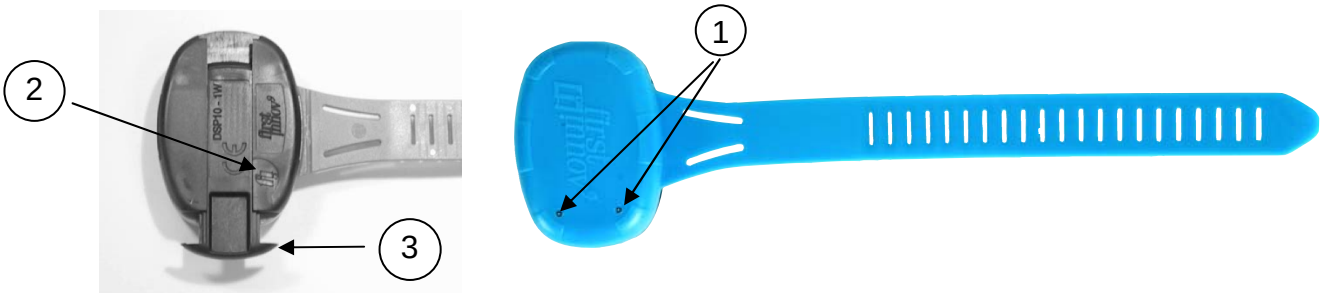
The central alarm unit is equipped with an immersed probe that detects the movement of the water created by the fall of a body of more than 6 Kg into the pool. This central unit also integrates a siren of more than 105B which is activated in case of a fall into the pool or the immersion of the sensor bracelet in the water. The power indicators LED indicates the operation state of the system (activated, deactivated, in test mode and failure signals). The logo sticker FI indicates the recognition zone (see paragraph about adding new components 3.4).

The four fixation points allow a secure installation of the central unit in order to guarantee a good positioning.
Several central units can be placed in the same pool and be linked to each other by radio in order to go off simultaneously. They can also be connected to the same remote siren (the deported siren is optional).

2.2 Sensor Bracelet

The sensor bracelet is placed around the child's wrist. If this latter falls into the water, the bracelet detects the presence of water thanks to its two electrodes (1) and transmits the information instantaneously by radio waves to the central unit that triggers the siren even when the system is temporarily disarmed

Each bracelet is equipped with a mechanical security clasp (3) which makes its accidental or involuntary removal difficult for a child. The alarm system can deal with up to 15 bracelets. The logo sticker FI (2) indicates the recognition zone used when adding new components (see paragraph 7 Adding new components).



1 : Water-sensitive detectors electrodes
2 : Logo sticker FI, adding new components
3 : Bracelet locking Security clasp

Figure 2 : Sensor bracelet

2.3 Remote

The remote enables you to arm and temporary disarm the alarm system from a distance.

4 : Activation button : To activate the alarm system, push the button (4) , the central unit emits a series of beeps and the green LED starts blinking. If the water is not stabilized enough, or if the alarm went off less than 8 minutes,
It would be necessary to wait, or let the system rearm itself automatically.

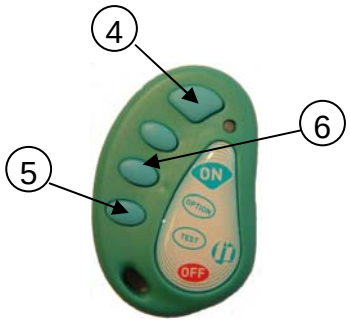


Figure 3 : Remote

5 :Temporary deactivation button on the remote : To deactivate the system push on the button (4) while pushing the button (5) (button 4 and 5 simultaneously).
The button (6) will put the system out of operation (see § 4.3)

The alarm system Oceaprotect can also contain the complementary safety items as follows : a wireless door sensor completely waterproof, a wireless remote siren and a wireless keyboard. These elements are also common accessories with the following ranges: Biprotect, Dualprotect and Blueprotect.

3 INSTALLATION

NB : It is preferable to use a professional for the installation and maintenance of the alarm system.
Your central unit Oceaprotect must be installed in such way that it can not be moved with bare hands (without appropriate tools).
Use an adapted drill with a 6mm diameter bit, a Phillips and a flat blade screwdrivers
Do not carry out the drilling, for your installation, right away.

Figure 4 : Tools needed for the installation

3.1 Positioning the central Unit

WARNING

If you do not place your immersion alarm system in the appropriate location, this one will not function in an optimal way.
Please refer to the drawings below and find the closest configuration to your pool.
If the configuration of your pool is too complex, please seek the advice of a professional.

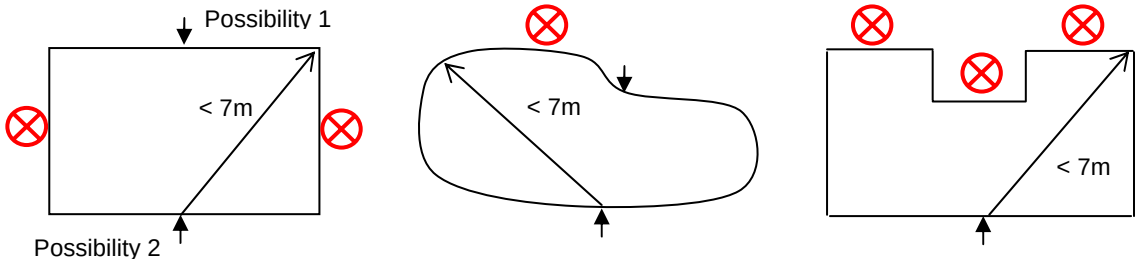
3.1.1 Positioning the system according to the shape and size of the pool

The following conditions must always be observed :

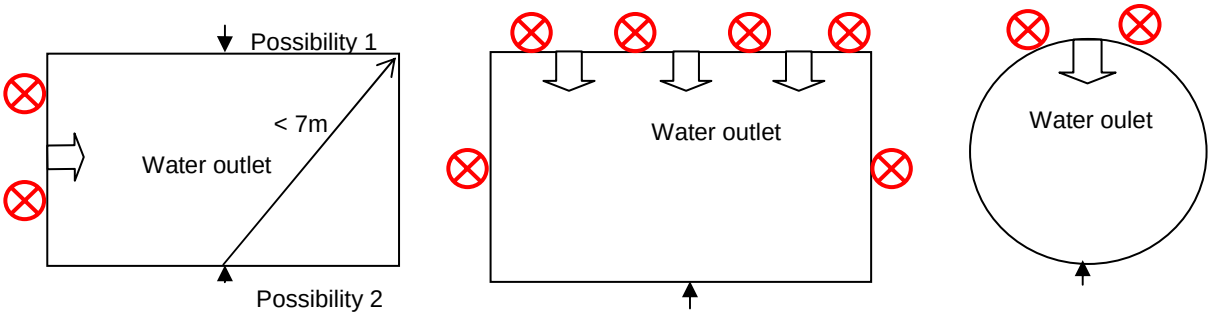
- The central must be located at less than 7 m from the further possible point of fall in order to reduce the time of release of the alarm that has to be <12s
- Do not place it too close to an obstacle (such as Skimmer, water outlet, cascade…), the distance between the central and the obstacle must be superior to 2m. If a compromise has to be made, you must privilege the distance from the water outlet.
- The robots must be set in order not to repetitively hit the tubular probe (Some diving type automatic pool cleaners are incompatible with the Oceaprotect immersion detection system). Regarding robots equipped with a floating hose, the pool's inlet where the robot is connected to, must be placed in the opposite location from the central unit.
- The water outlet must be directed in such way as to minimize the waves provoked in the surface by starting the filtration process.

The Oceaprotect central must be placed in the middle of the longest side of your pool and must have a direct sight on all the possible points of fall of your pool.

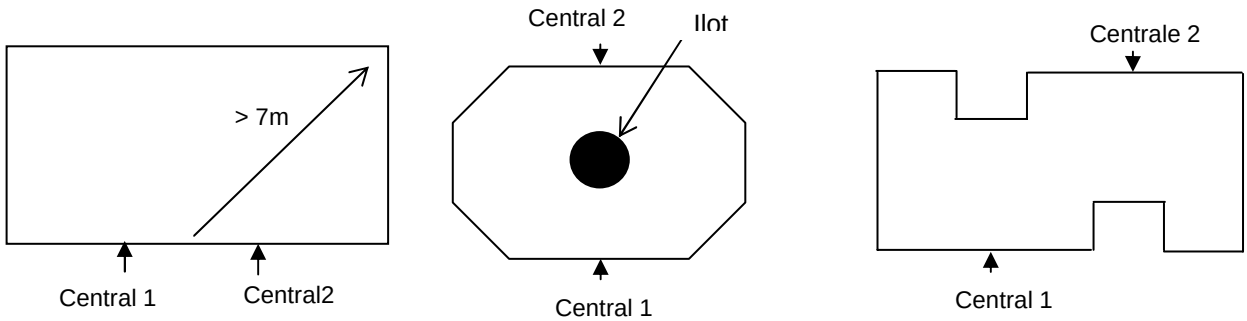
The drawings below show examples of good and wrong positioning of the central unit.



Cases of installation of a single central unit



Positioning according to the water outlet



Cases where a second central unit is necessary

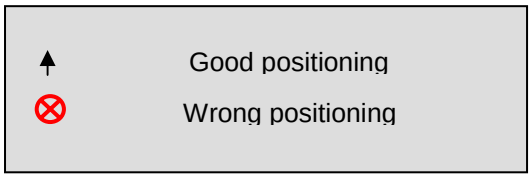


Figure 5 : Positioning the centrals

3.2 Preparation of the tubular probe member

Place the immersion central unit at the edge of the pool where you have planned to install it.

To ensure proper function, the tubular probe must be immersed into the water at 14 cm deep ± 2cm. If needed, the tubular probe will have to be sawed in order to be shortened. In this case, after selecting the place where the cut must be made, take off the central from the water and saw it.

If the specified limits for the immersion of the tubular probe are not observed, the stability and the sensitivity of the system could not be guaranteed.

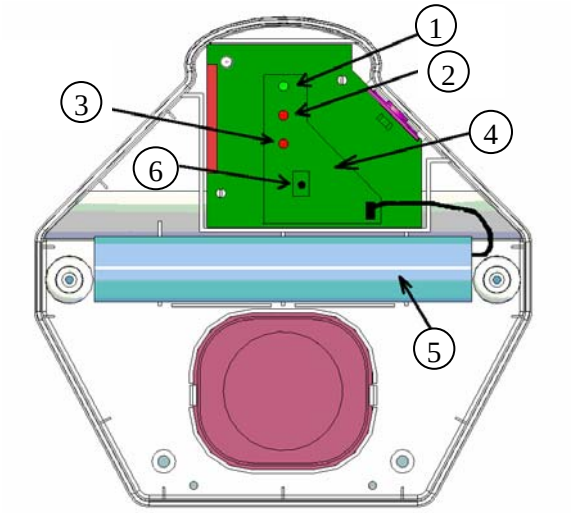
Always keep a sufficient level of water in the swimming pool. If for some reason this is not possible, you will then have, to be even more vigilant as long as the situation is not restored or equip yourself with another certified safety device if you think this situation could last.

ATTENTION

When you take the central unit out of the water, let the tube completely empty itself from the water before turning the central unit over.
It is necessary to file the edges of the tube in order to avoid that leaves or any other object get stuck in the tube once it is immersed in the water.

3.3 First powering of the alarm system

After taking off the two screws located in the top part of the housing, open up the central unit.



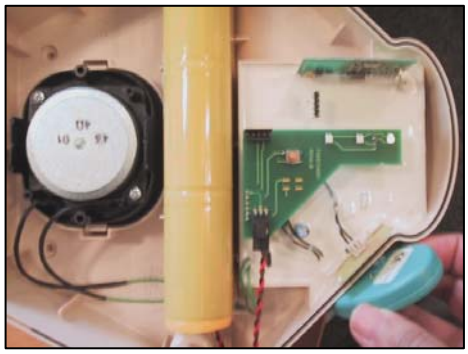
1- Monitoring green LED indicator
2- Red LED temporary deactivation
3- Red LED setting
4- Electronic card
5- battery pack
6- Adjustment button

Figure 6 : Components of the Oceaprotect central unit

Connect the batteries' pack (5) into the electronic card (4) . After 1 or 2 seconds, a brief sound goes off then the temporary deactivation indicator (Red LED in the center) starts blinking. Check that the adjustment LED indicator remains off after reinitializing.

3.4 Recognition procedure of the accessories by the central unit.

In order to carry out the recognition procedure of the system' s accessories, proceed as follows :



- position the FI logo sticker of the remote against the one on the housing of the central unit and maintain this position (without pushing any button). The red LED (2) of the central unit turns on continuously. Then the central emits a beep and the green LED (1) turns on. The remote is then ready for use

- Proceed the same way with the sensor bracelet (The white FI logo is equivalent to the blue FI sticker)

3.5 Making of a " mannequin" in order to simulate the falls of a child

Drop tests can be realized by using a jerry can filled with at least 6 to 8 liters of water or by using a dummy made as follows : Use rigid bottles of mineral water :

- 4 bottles of mineral water of 1 or 1.5L
- 4 bottles of mineral water of 0.5L.

Firmly tie them together (strong adhesive tape, cord…) as indicated below. The bottles must be filled up to 100% water.

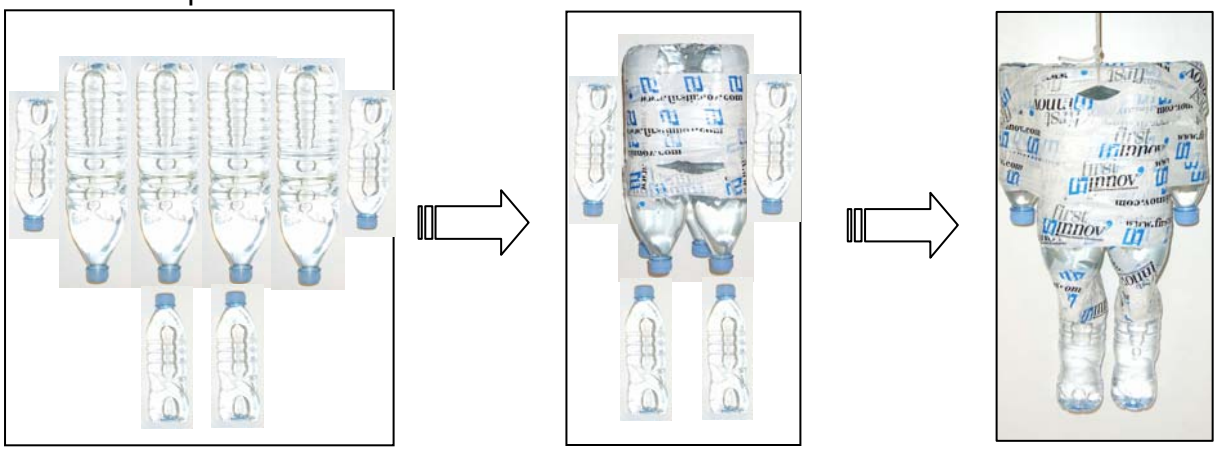


Figure 7 : Making of a dummy.

3.6 Drop tests

WARNING 

- You must wait at least 10 minutes between two drop tests, and this whatever the result of the last test is (whether the alarm went off or not)
- Do not start drilling to install the central unit right away but mostlyl do not move or rock it, even slightly. Put a load on top of the central unit to stabilize it while the tests are being realised.

Lay the dummy down by the edge of the pool and in a parallel position with the edge, then push it until it rocks into the water.
Plug the battery pack and wait the automatic activation of the system (until the green LED blinks). Use the remote control that will enable you to quickly stop the siren during the tests. You must wait ten minutes before starting the following test (necessary time for the system to rearm itself). Carry out several drop tests with the dummy in order to check that the alarm system functions properly.

If the alarm goes off in less than 12s after each drop, then definitively install the central unit. To install the central unit, use the 4 holes of the housing, two of them are located under the battery block, and the screws and plastic anchors provided with the kit. Do not forget to put the two caps to cover the screws.
If the alarm takes more than 12s to go off or if the central unit doesn't detect some of the falls, make sure that you have observed the operational limits of the alarm system (read paragraph 5 carefully), pick up another location and renew the tests. In case of failure, do an automatic adjustment (see paragraph 3.7).
Remark : Coming out of the factory, the centrals are set for a swimming pool of a 8x4m size. For the swimming pools with a size above 8x4m and lower than 10x5m, and if the tests are not conclusive, carry out the following operation:
Unplug the battery of the central unit and plug it back. The LED indicator « temporary deactivation» starts blinking. Wait 5 seconds and maintain the setting button pressed (see figure 4) until the central unit emits a beep and release the button. Then push and release the button in the following 5 seconds. The central unit emits a beep of confirmation. Wait 10min, the necessary time for the central to automatically rearm itself and re-do the drop tests.

3.7 Automatic Adjustment

The automatic adjustment consists of recording the signals produced by the falls and those produced by the background noise of the pool. The automatic adjustment is only an option when the tests are not conclusive. The setting is not necessary for swimming pools with a size lower than 10x5m and with a standard shape. The automatic adjustment is advised in cases where the swimming pools have peculiar shapes or systems of filtration with a strong flow. It will enable the Oceaprotect alarm system to adapt exactly to the shape and particular behaviour of your pool. It will take approximately half an hour to do an automatic adjustment

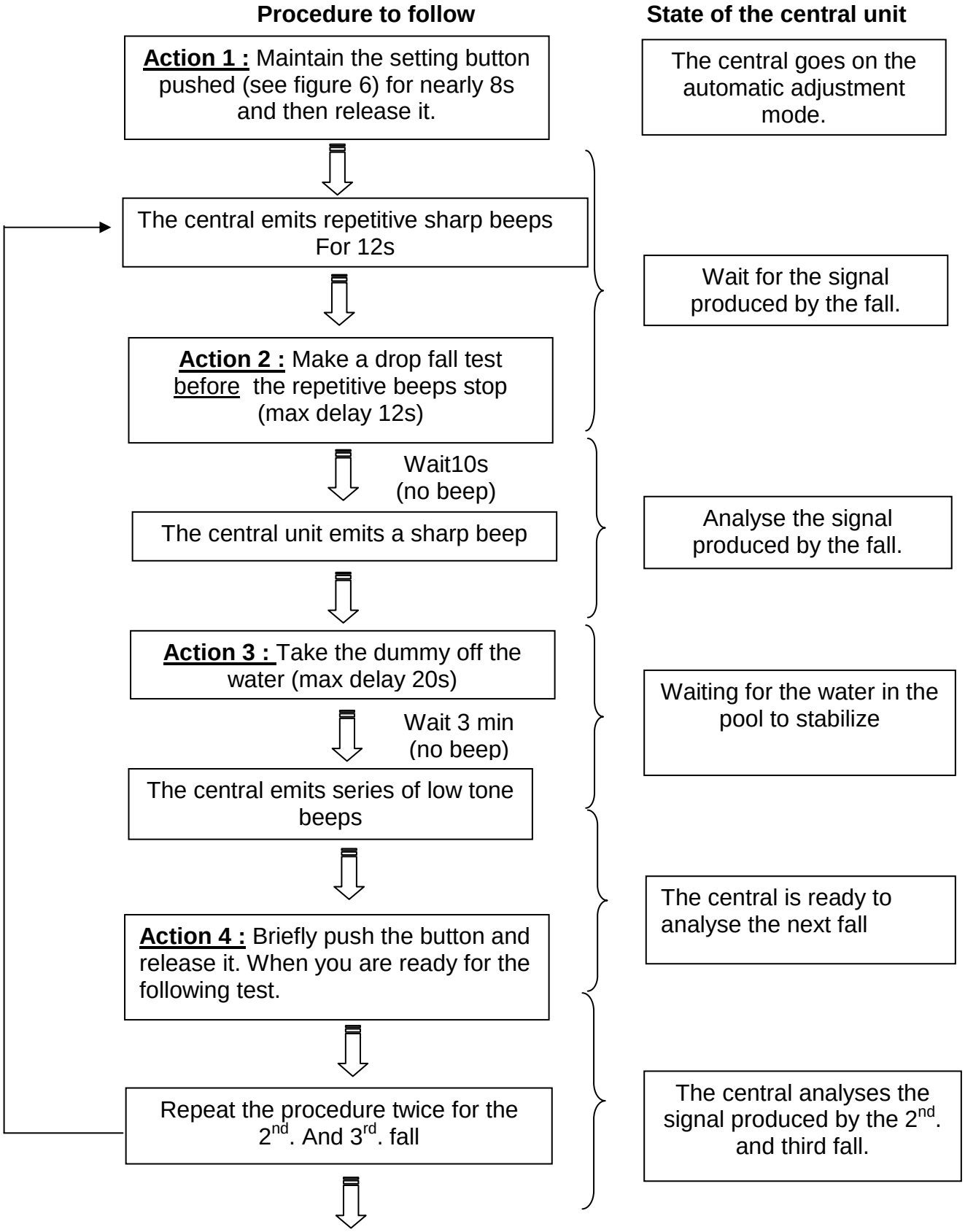
WARNING 

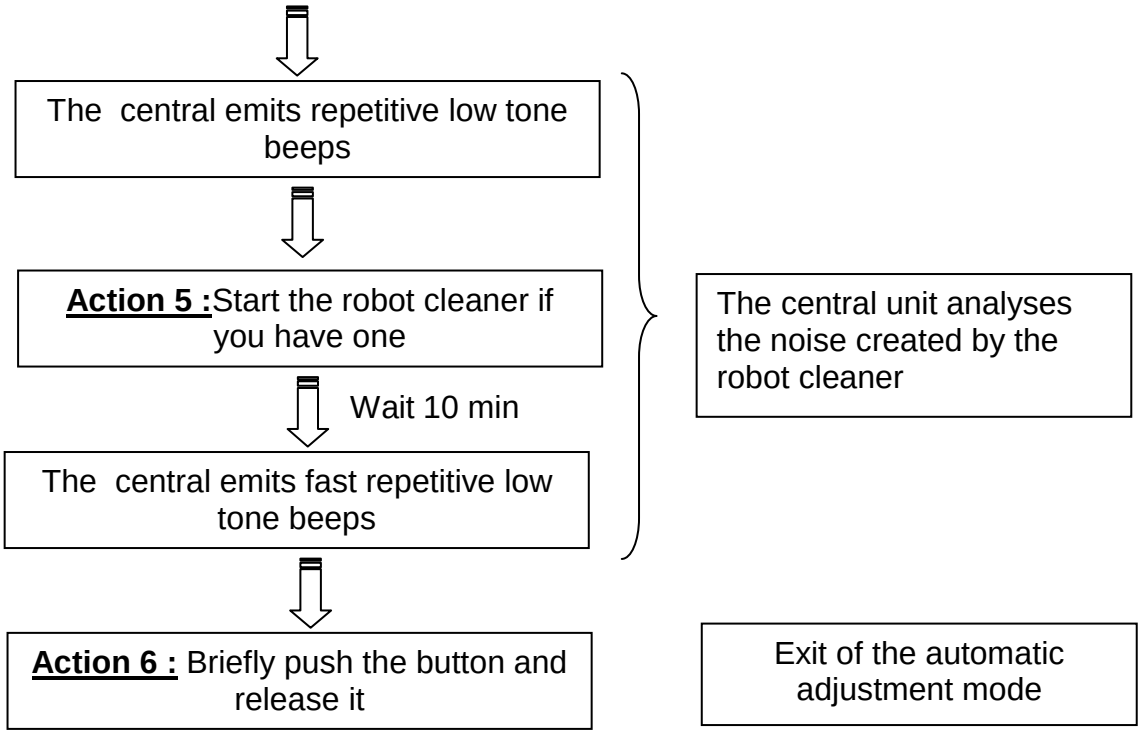
To carry out the automatic adjustment, imperatively make sure that the following conditions are observed:
- Wait for a nice weather, in order not to distort the information interpreted by the central unit during the different steps of the adjustment. The setting will be carried out when there is very slight or no wind at all (no gusty wind during the adjustment). I case of bad weather, it would be preferable to postpone the adjustment procedure.
-The recommendations on how to position the central unit in paragraph 3.1 must be observed.
- The alarm system in not used in its limits of utilization. (see paragraph 5)
- Do not start drilling to install the central unit right away and mostly do not move or rock it, even slightly. ***Put a load on top of the central unit to stabilize it while the tests are being realised.***
- The adjustment procedure must be carry out in less than 60 min . If you exceed this time, disconnect and reconnect the battery pack to start over the adjustment.

To carry out the adjustment, three possible points of fall will be used. Before starting, unplug and plug back the batteries of the central unit. Wait approximately 5min without moving the central unit and make sure that:

- There has been no action in the pool for at least 10min.
- The filtration system is on.
- The robot cleaner, the counter-current swimming systems and eventual fountains and cascades are not in service
- The test dummy is placed at the selected location of the fall.

Below are the different steps to follow to do the automatic adjustment :





When the adjustment procedure is successful the central unit emits one sharp beep and the alarm system is temporarily deactivated (the red LED temporary deactivation starts blinking). Wait for the central unit to automatically rearm itself and repeat the test drop to check the functioning of the system (paragraph 3.6)

When the adjustment procedure was not properly realised, after pushing the last button described in the procedure, the central unit emits a long low tone beep and does not put itself in temporary deactivation mode (the red LED temporary deactivation is off and the setting LED starts blinking).

In that case, the central unit starts automatically analysing the noise in the bottom of the pool. Make sure that the following conditions are observed:
- There has been no action in the pool for the last 10min
- Turn off all the elements that could disturb the functioning of the central unit (cascades, robot cleaner if this latter is a diving robot that creates similar waves as the ones produced by the fall of a child into the water)

Wait 10min and briefly push the adjustment button when the central unit start emitting series of low tone beeps. If after pushing the last button, the central still emits a long low tone beep and does not put itself in temporary deactivation mode which indicates that the procedure had failed. This means that the central unit was placed in a wrong location and that a proper functioning of the alarm system is thus, not possible. Maintain the adjustment button pressed for 8s and release it to exit the setting mode. The central emits a beep and puts itself in temporary deactivation mode. **In that case, change the location of the central unit or wait for favourable conditions to renew the adjustment procedure.**

To exit the adjustment mode during the simulation of falls, press the adjustment button for 8s and release it, do it twice in a row. The system put itself in temporary deactivation and

the adjustment is cancelled. At the same time, the pre- adjustment made in the factory are restored.
Not pushing any button for more than ten minutes during the adjustment, will have the same effect as this fast method of cancellation.
NB :
If during the adjustment, the central detects some of the falls but not all of them, it might be necessary to add a second central unit to your system. You would then have to renew the setting of each central separately.

***Reminder** : In the case where you are using several Oceaprotect central units, each one of them has to be adjusted and tested separately while the others have to be unplugged. Make sure that for each central the three possible points of fall are in direct sight and that there are located at less than 7 m from the central units.*

4 Utilisation

4.1 Activating/ Deactivating the alarm system.

The system can be activated with the remote : Push the button 5 (see § 2.3)
The central emits series of beeps and the monitoring green LED starts blinking.

To deactivate it, push the button 4 while maintaining the button 5 pressed.
The system is deactivated for 8 minutes if no activity is detected in the water. This time will be automatically prolonged as long as the swimming is in course.

When the system is about to rearm itself automatically, the system check one more time if no activity is detected in the pool and announces its state. If the central emits a low tone beep following series of warning beeps, the activation is postpone again.

If the batteries of the remote control are worn out, it is possible to deactivate the system by presenting the remote to the FI blue logo sticker of the central, as described in 3.4 for the recognition procedure of the accessories.

4.2 Turning off the siren

The siren can be stopped by pushing any button of the remote. After the alarm went off, the system will not accept to go back to monitoring mode unless 8 minutes have went by since the alarm went off (in order to guarantee that the pool is stable and avoid a second useless release of the siren).

4.3 Shutting down the immersion alarm system

Shutting down the system for an indeterminate period of time, is not authorised unless the pool is protected by another certified device (cover, shutter…) or if you are not planning to use the pool for a long period of time.

Use the wireless keyboard DSP40-1R1 of Firstinnov' s range of products.

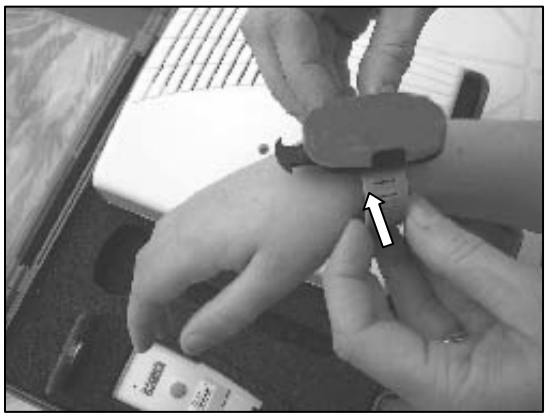
4.4 Use of the sensor bracelet

When the system is installed and tested, you only need to put the bracelet around the child's wrist.

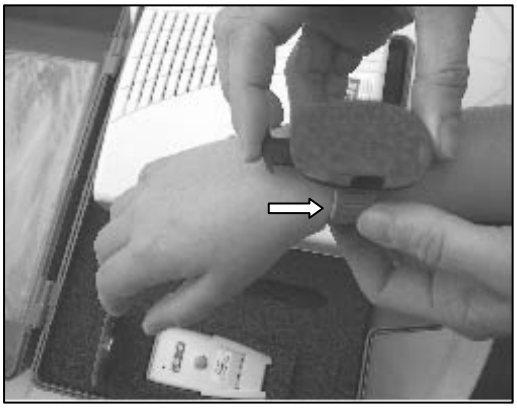
4.4.1 Locking the sensor bracelet around the wrist

Put the bracelet around the wrist of the child, insert the strap into the slot underneath the bracelet body, and push tight. Then lock the clasp by sliding the tongue of the catch home until it clicks.

Follow the steps below to fit the sensor bracelet around the wrist :



insert the strap into the slot underneath the bracelet body and adjust it to the child's wrist. Do not put it on too tight.



Lock the sensor bracelet.

Figure 8 : Locking the bracelet

4.4.2 Unlocking the sensor bracelet from the wrist

To unlock the bracelet, pinch the smaller end against the casing to release the catch and slide the tongue out by pulling on the larger end. Then remove the strap by pulling gently. It is necessary to carry out this handling simultaneously to slide the tongue out

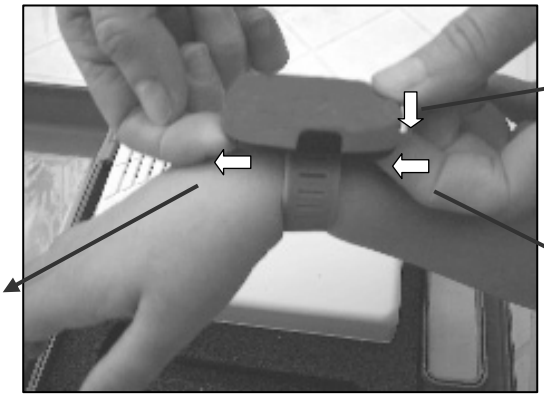


Figure 9 : Unlocking the bracelet

5 Limits of utilisation

You can use this type of safety device when the location of your pool compared to the location of your house enables you to intervene in the pool in less than 3 minutes. The standard NF P 90-307, about swimming pool alarm systems, imposes that any fall has to be detected within 12 seconds. For that reason, the central unit cannot be located at more than 7 meters of a possible point of fall. Regarding swimming pools of big sizes, they must be equipped with one or more additional central units to comply with the standard's requirements .
Some diving type automatic pool cleaners are incompatible (robot that dives in and out of the water creating similar waves as the ones provoked by the fall of a child) along with some counter-current swimming systems and eventual strong flow filtration systems are incompatible with the immersion detection alarm system. It is strongly advice to shut down the counter-current swimming systems after bathing to allow the system to rearm itself.
Oceaprotect is not adapted to mirror-type swimming pools and out of the ground pools.
Swimming pools with an access to the water inferior to 30% without any change in the slope and some overflowing pools or pools with fountains or cascades can not be equipped with the OCEAPROTECT alarm system alone.
The presence of a cover (shutter, cover with bars, solar cover...) can modify the behaviour of the pool and prevent the system from functioning correctly.

Consult your retailer if your pool has a complex shape.
The performances as defined in the standard NF P 90-307A1, are not guaranteed beyond levels of wind higher than those specified in this standard. The Oceaprotect alarm system can gradually adapt to the climatic conditions in accordance with the performances defined in the standard NF P 90-307A1 (detection of a fall when there is no wind or when there is a constant wind of 4m/s around the pool, checking of non inconvenient activation of the system in case there is a gust of wind of 10m/s). In case of stronger wind, and in particular gust of wind, the sensibility of the product may be reduced. It is then necessary to increase your vigilance during unfavourable weather. A proper functioning of the alarm system Oceaprotect is not guaranteed in case of frost. A strong frost does not allow the system to detect any fall in the pool.

The sensor bracelet is used for children under five years old. This safety device is incompatible with swimming pools with a high concentration of salt.

For a same installation you cannot use more than 16 RF wireless accessories (bracelet, remote control, digicode, detector of access and additional siren). For example, if you only have one remote control you can use up to 15 bracelets.

6 Test and diagnosis of the system

Do not forget to often test the Oceaprotect alarm system according to the testing procedure described below

6.1 Test simulating the fall

Refer to paragraph 3.6 « drop tests », you must wait at least ten minutes between each test (necessary time for the system to rearm itself).

6.2 Testing the bracelet

1. Deep the sensor bracelet into the water of the pool. The alarm immediately goes off.

2.The test of range is valid and it is possible to renew this procedure in another location of the pool (as many times as necessary). You do not have to wait before starting another test, because the bracelet is always operational, even when the alarm is temporarily deactivated.

6.3 Testing the siren

After the installation, set off the alarm (for example by using the bracelet). Make sure that you can hear it from any place of your dwelling. It might be necessary to add complementary remote sirens (optional).

6.4 Failures

6.4.1 Anomalies detected by the central

If the events detected by the Oceaprotect are connected to abnormal turbulences or an incorrect level of water, the LED test indicator /anomaly will start blinking at the same time as the indicator announcing the operating mode.
As a reminder, maintaining the required level of water must be carefully supervised and the automatic diagnosis cannot in any case replace this monitoring. Its purpose is only to help the diagnosis and it does not guarantee that any operation under inappropriate conditions will be detected!

6.4.2 Indication defect battery of the central unit

If the battery pack runs down, the test indicator LED starts blinking at the time as the LED indicating the normal operation of the system, and a short beep is emitted ever 30 seconds. The replacement of the battery has to be done as soon as possible. In order to avoid this dangerous situation, the battery has to be replaced each year at the beginning of the season.

6.4.3 Indication weak batteries of the sensor bracelet or the remote.

To identify the failing element:

1. Ensure that the component function properly. If it does not work, see paragraph11 "In case of problems".

2. Position the FI logo of the failing component in front of the FI logo of the central unit (few millimeters), just like you do during the recognition procedure(§ 3.4).

If there is a beep after few seconds and if the green LED is ON and fixed, then the battery is working. Try with another radio component. If nothing occurs, you have identified the component with the weak battery.

3. When you replace the batteries of the failing component, the weak battery signal automatically disappears. If the central unit continues to emit a beep, it means that another component has a weak battery. In this case repeat the procedure.

7 Adding new components.

You can add to your Kit Oceaprotect, different RF wireless accessories such as bracelet, remote, digicode or door sensor. For each added accessory, it is necessary to carry out the recognition procedure already described in en 3.4.

If for some reason you do not want the central unit to recognize one of the accessory anymore (Ex : Non utilization of the accessory with the weak batteries, ignorance of the information provided by defective accessory…). To do so, carry out the same procedure as the recognition one, but maintain the accessory by the central unit's FI logo, even after hearing the beep. After approximately 15 seconds, a double beep and the extinction of the green LED will indicate that the accessory has been erased from the system.

8 Maintenance

It is advised to regularly test the proper operation of the Oceaprotect system according to paragraph 6 : Test and diagnosis of the system. Test the sensor bracelet before each use.

Do not wash the central unit with large amount of water. Use a wet sponge to clean the case.

Regularly check that the level of immersion of the probe is observed.

It is important to keep the bracelet clean. Wash the two electrodes with a soft tooth brush, soap and water (Warning ! Do not put the bracelet inside the washer or use abrasive products etc.).

The spare parts must be originals or in conformity with the specifications of the standard NF P 90 307.

8.1 Changing the batteries of the sensor bracelet.

The battery of the sensor bracelet lasts 2 years. If the indicator announces « weak battery bracelet » change the battery (type 3V CR2032) as shown below :

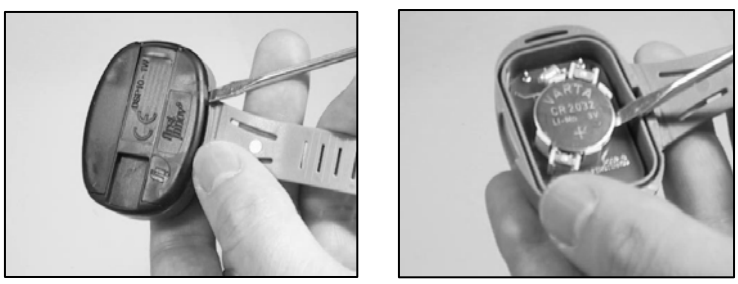


Figure 10 : Changing the batteries of the sensor bracelet

8.2 Changing the batteries of the remote.

The remote control's batteries lasts about 5 years. If the indicator announces « weak battery remote control» change the two batteries (type CR1220) as follows :

1. Open the remote with a Phillips screwdriver.

2. Extract the old batteries from its holder and replace them by the new ones (making sure the + marking is facing up). Do not forget to put back the plastic ring that surrounds the batteries)

3. Shut the housing back and test the remote (refer to paragraph 6 utilization).

8.3 Changing the batteries of the central unit

The batteries of the central unit last over 2 years depending on the time of utilization. The battery pack is not available in any store, you can only buy them from Firstinnov's retailers-distributors (the reference is DSP10-S5).

***WARNING**: While changing the batteries, do not touch the printed circuit board. Any deterioration of the printed circuit will cancel the guarantee offered by Firstinnov.*

instructions regarding the batteries

The batteries should not be thrown out with the household disposals. To get rid of them in accordance with the local norm, please dispose of used batteries in an environmentally-friendly fashion by using the existing public collection system or by returning them to your retailer or manufacturer.

9 Technical characteristics of the system :

Power supply :	Battery Pack 9V
Siren :	105dB at 1m (+/-5dB)
Battery life :	2 years
Autonomy of the bracelet's battery :	2 years
Autonomy of the remote's batteries :	5 years
Transmitted radio frequency :	433.92 MHz
Operating temperature :	-25 to +70°C

The Oceaprotect alarm system complies with the RF, EMC and safety requirements of the European Directive 1999/5/EC on Radio & Telecommunications Terminal Equipment (R&TTE) and the French standard regarding swimming pool's alarm systems NF P 90-307.

10 Interpretation of sounds and visual signals of the alarm system

Operational system (LED indicator defect/adjustment OFF)

Red LED temporary deactivation	Green LED Monitoring	Sound Signal	State of the system
Blinks	Off	None	Alarm system temporarily deactivated
Off	Blinks	None	Alarm system activated
Off	Off	None	Shutting down the system (Unplugged batteries or winter mode activated by the optional wireless keyboard).

Système en défaillance

One of the monitoring LED or temporary deactivation	Red LED defect/adjustment	Sound signal	Causes of failure
Blinks	Blinks	Beep every 30s	Battery Failure of the central.
Blinks	One flash	Long low tone beep every 15 min, or sometimes.	Anomaly identified by the central unit (abnormal turbulences, level of the water, internal failure…)
Blinks	Off	Beep every 30s	Battery failure of the bracelet or the remote

11 In case of problems

Problem	Probable Cause	Solution
The LEDs of the system don't turn on	- Pack de piles	- Check the connection of the pack of batteries (9V)
The detection of the falls is mediocre	- Delay of reactivation of the system was not observed. - Necessary adjustment or adjustment done not satisfying	- Wait for the water to stabilize before carrying out a new test. - Carry out the Adjustment of the system.
The siren goes off inopportunely in monitoring mode.	-Necessary adjustment or adjustment done not satisfying. The surroundings have changed (adjusting the water outlet, etc…)	- Carry out the Adjustment of the system.

Problem	Probable Cause	Solution
The siren goes off in monitoring mode or temporary deactivation mode.	- safety bracelet was accidentally wet. - Defective sensor bracelet.	Carry out the procedure to erase the recognition of the bracelet by the central (according to §7) and check if the problem occurs again.
Impossibility to carry out the recognition or cancel a recognition of an accessory.	- Battery of the accessory is weak	-Identify the weak battery and change it
The sensor bracelet does not work	- The electrodes are obstructed - Weak battery - Too big of a distance between the bracelet and the central.	- Clean the electrodes - Change the battery - Re-examine the installation and the position of the system.

12 Radio connection between two Oceaprotect central units

- Position the FI logo sticker of the bracelet or remote against the one of the first central (as explained in paragraph 3.4).

- Position the FI logo sticker of the same bracelet or remote against the one of the 2nd. central.

- Place the FI logo sticker of the same accessory, one more time, against the one of first central.

13 Conditions of Warranty

Within 15 days of your purchase, the installation sheet must be signed and returned to Firstinnov, along with the copy of your invoice. The components of the Oceaprotect Kit (batteries not included) are guaranteed for two years from the purchase date. If during the guarantee, a product is defective because of a manufacturing defect, Firstinnov will fix or replace (at the appreciation of Firstinnov) the device or its defective parts and this according to the conditions specified hereafter. Firstinnov reserves the right to replace the defective products or their spare parts by new products or new parts or parts revised in the factory. The present guarantee is limited to the replacement of parts recognized as defective by the company Firstinnov. All parts must be returned in their original packaging and shipping costs are in the charge of the purchaser.

Exclusions of guarantee

Firstinnov reserves the right to refuse its guarantee if the installation sheet cannot be presented or if the information which it must contain appears illegible or incomplete.

The guarantee does not apply if the installation is not in conformity with the recommendations given by this guide.
The guarantee does not apply if the model number or if the serial number on the product was modified, erased, removed or made illegible. The sale by the purchaser of Oceaprotect to a third person will cause the loss of the guarantee by the new owner.
We will consider that the new owner has accepted this condition.

The guarantee will not be applicable if the product has been modified without prior agreement from Firstinnov, except for the sawing of the immersed probe.

Monthly tests must be carried out to ensure proper operation of the system, and the results must be recorded in the last page of this handbook. Any failure to this obligation will be a condition to exclude the guarantee.

This guarantee does not cover any damage caused by :

- An improper use, including - but not exclusively an inappropriate use of the system or by not respecting the instructions given by the guide for the installation, the use and the maintenance of the product. Or any cause due to a repair carried out by the customer himself or by a non approved repairer.
- various accidents, such as floods, lightning, fire or any other cause exceeding the responsibility of Firstinnov.

The guarantee does not cover the usual maintenance and the repair or the replacement of parts that have followed a fair wear and tear (ex: batteries).

Limits of responsibility

Firstinnov's responsibility is limited to the replacement or the repair of the product or one of its components. The whole responsibility of Firstinnov for any defective product cannot, in any case, exceed the purchase price of the product. Firstinnov will not be held responsible for any other costs, expenses, loss or any damage resulting from the use of the product.
Firstinnov has only an obligation of means: to provide an apparatus in an operating state, exempt from any manufacturing defect. Firstinnov nor its retailers cannot be held responsible for the fall or the drowning of a child, an adult or an animal in the pool. You remain the only person responsible for the safety of your swimming pool.

The integrated sirens of the central unit and the optional deported sirens are in conformity with the requirements of the standard NF P 90-307. Firstinnov nor its retailers could not be held responsible for any problems related to the sirens going off.

The manufacturer and his suppliers decline any responsibility towards any person for any damage or any other claim resulting from a non conform handling of the product or non respect of the safety instructions.

The only authorized change on the product is the changing of the batteries which has to be done at the beginning of each season.

14 Safety notice

It is preferable to let a professional, trained on the Oceaprotect product, take care of the installation.

The alarm must be heard from your dwelling. Depending on the distance from your residence to your pool it might be necessary to deport the safety, the alert, the failure signals in order to be heard from your residence. During the installation, checking that you can hear the siren is imperative. Extra sirens can be purchased as an option.

The Oceaprotect alarm system is an alarm for private unenclosed swimming pools, for individual or collective use which present a danger. The fast intervention of a responsible person is mandatory.
This alarm system is a safety device which announces a danger (or a risk of danger). When the alarm goes off, a responsible adult must intervention in less than 3 min. It is imperative to react as soon as the siren goes off.
The alarm system replaces neither the common sense nor the individual liability. Its purpose is not to replace the vigilance of the parents and/or the responsible adults, which remains the main factor of protection for children under five years old.

The user that deactivates the system must be aware that human surveillance is mandatory. The highest caution from the parents or responsible adults is necessary between the end of the bathing until the reactivation of the alarm system. In case of a counter-current swimming facility, switch the counter-current off at the end of the swimming session to allow the alarm system to reactivate itself.

In case the alarm goes off, do not approach the siren too closely. Prolonged exposure to an excessive sound level may cause hearing loss.

Using radio frequency devices that operate in the 434 MHz frequency band (for example wireless head set) will not interfere with the transmission, and will not trigger the alarm. However it may reduce the range of the siren.

Firstinnov' declines any responsibility for injury or material damages resulting from the use of the alarm system.

It is strongly advised to test the bracelet before each use. Keep the remote out of reach of the children at a minimum height of 1 meter 60.

The safety of your children only depends on you ! The risk is higher for children under five years old. Accidents do not only happen to others! Be ready to face it!

WATCH AND ACT:

- The children monitoring must be close and constant around the pool.
- Designate one person responsible for security around the pool.
- Reinforce your surveillance when there are several users in the pool
- Teach your children how to swim as early and as soon as possible.
- Wet the neck, arms and legs before entering the water.
- Learn the first aid techniques and especially those specific to children..
- Forbid diving and jumping in the presence of very young children
- Prohibit racing games and wild games in the vicinity of the pool.
- Do not authorize the access to the swimming pool without waistcoat or life jacket to any unaccompanied child who does not know how to swim.
- Do not leave any toy near or in the unsupervised pool.
- Take out any attractive floating object from the pool which can encourage children to lean and fall into the water.
- Never leave a child alone by the swimming pool or any water area with 10 or 20 cm deep.
- Keep the water clean and limpid and safe water levels at all times
- Store water treatment products out of the reach of children. (Pool chemicals etc)
- The individual who deactivates the system must realize that human surveillance must take over.
- Some counter-current swimming systems do not allow the automatic reactivation of this immersion detection system.
- Some diving type automatic pool cleaners are incompatible with this immersion detection system.

- Forbid access to the pool to young children under five years old during the triggering of a failure signal; take all necessary precautions until it has been repaired.
- Prohibit swimming in your absence

TO PLAN :

- Have an accessible phone near the pool in order not to leave children unsupervised while you're on the phone.
- Have a lifebuoy on a pole close to the pool
- Memorize and post up the emergency phone numbers near the pool :

Fire brigade: (18 for France)

SAMU : (15 for France)

Antipoison Centre: ……..

INSTRUCTIONS IN CASE OF AN ACCIDENT :

- Get the child out of the water as quickly as possible
- Call for help immediately and follow the instructions given over the phone.
- Replace wet clothes with warm blankets

The severity of the drowning depends mostly on the time it took you to find out about the accident, sometimes it takes longer than we think to discover it, due to the initial panic, that prevents the surrounding from acting and starting the first aids (CPR…).
The sticker with the pictogram reminding the adults of their duty to supervise young children and that announces the electronic monitoring of the pool must remain stuck on the central unit by the pool.

Regularly test your Oceaprotect system to make sure that it detects the fall and fill out table below:

Date of the test	Success or failure	Weather conditions

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(1) Facturation selon les conditions tarifaires de l'OBL de l'appelant – tarifs applicables en France métropolitaine depuis tout poste fixe (hors publiphones)