



AQUAPLOUF

Fall detector for private, in-ground, non-fenced pools



INSTALLATION AND OPERATING INSTRUCTIONS

To be read carefully and kept for future reference.

WARNING

This alarm system is no substitute for users' individual responsibility or common sense. Nor is it designed to substitute the vigilance of parents and/or responsible adults which remains the key factor in ensuring the safety of children under five.

This alarm is a protective device that signals danger (or a risk of danger). Rapid intervention, within 3 minutes, is mandatory if the alarm is tripped.

Any user shutting down the system should be aware that human supervision will then be necessary.

The parent and/or responsible adult should exercise the utmost vigilance during the time taken for the alarm to reset after the last person leaves the pool.

Action must be taken if the anomaly signal is tripped.

Do not leave both keys on the same key chain. Keep the spare key in a safe place.

Do not allow children insert objects (pebbles, chewing-gum, etc.) in the dip-tube. Check regularly that no object has been inserted or is stuck inside the tube.

During slight or more extensive freezing, ice can form within the dip tube putting AQUAPLOUF out of operation. Under such circumstances, all safety measures necessary should be implemented until the thaw.

IMPORTANT

The AQUAPLOUF alarm system should, by preference, be installed and maintained by a professional.

Depending on the location of the home/place of residence with respect to the pool, it may be necessary to adjust the position of the safety, alarm and anomaly signals such that they may be heard from within the home/place of residence. This should be checked during installation.

The AQUAPLOUF system is not compatible with every pool model. It should not be installed:

- if the pool features an access ramp with a slope of less than 30 %,
- if the location or surroundings would prevent swift intervention within less than 3 minutes,
- in "mirror" pools, overflow pools or pools featuring water jets.

Cleaning robots:

Some electronic dive-type cleaning robots that, during their cleaning cycle, enter and exit the water and follow the water line, are not compatible with immersion detection systems and can trigger false alarms.

Generally, automatic cleaners that plug into vacuum points are compatible but we recommend that you carry out a test to confirm this.

Counter-swims:

- Counter-swims should only be switched on when the system is in "Bathing" mode,
- When some counter-swim systems are switched on, they prevent automatic resetting of the immersion detection system. Therefore, on leaving the pool, the counter-swim should be switched off to allow the alarm system to reset.

Floating covers:

This type of cover is not compatible with AQUAPLOUF. The impact of the falling body is attenuated by the cover and thus the alarm may not detect a child under five falling into the pool.

The detection of a falling child who weighs less than 8 Kg is not guaranteed when the windspeed is above 5 meters/second.

The performance data stipulated in the standard NF P 90-307-1 is only guaranteed at wind speeds below those specified in said standard.

In the event of a significant drop in the water level (winterizing) page 5.

Batteries:

Use PROCELL or DURACELL PLUS batteries only. DURACELL ULTRA batteries are not suitable for this type of device.

TABLE OF CONTENTS

TECHNICAL DATA	2
MAINTENANCE INSTRUCTIONS	2
WINTERIZING	3
BE CAREFUL OF CHILDREN	4
INSTALLATION AND TEST CERTIFICATE	4
PRESENTATION OF THE AQUAPLOUF DETECTION UNIT	5
PRESENTATION OF THE REMOTE SIREN (OPTIONAL)	5
ASSEMBLING AQUAPLOUF	6
INSTALLING AQUAPLOUF	6
PUTTING INTO SERVICE	7
PROGRAMMING THE REMOTE CONTROL	8
MAKING A "DUMMY"	8
FIXING IN POSITION	8
USING AQUAPLOUF	9
INSTALLING THE REMOTE SIREN (OPTIONAL)	11
PROGRAMMING THE REMOTE SIREN (OPTIONAL)	12
USING THE REMOTE SIREN (OPTIONAL)	15

TECHNICAL DATA

MANUFACTURER:

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Les Landes d'Apigné
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35653 - LE RHEU Cedex
R.C.S/Rennes B 333 263 846 000 37
www.procopi.com

Contact:

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00 33 2 99 14 78 78

For additional information

MANUFACTURE AND QUALITY CONTROL:

- French manufacture.
- Unit quality control & complete product traceability.
- Complies with all French and European standard statutory obligations.
- Guarantee: materials are guaranteed 2 years against manufacturing flaws or defects in the raw materials. This guarantee is rescinded if the user fails to comply with mandatory instructions, if the device is plugged into a voltage other than that indicated on the information plate or if the user causes damage either inadvertently or deliberately.

COMPONENTS:

- 1 AQUAPLOUF detection unit (with 1 set of 2 keys).
- 1 Remote control (battery life: approx 2 years).
- 6 LR20 batteries, PROCELL or DURACELL PLUS (DURACELL ULTRA batteries are not suitable for this type of device).
- 1 remote siren (optional).

MAINTENANCE INSTRUCTIONS

- Check regularly that the dip tube is not blocked.
- Carry out periodic system tests using a dummy.
- Replace batteries each year, preferably at the beginning of the season. This is the only maintenance operation authorised by the manufacturer.
- Replace the remote control battery each year.

WINTERIZING

Before winterizing your pool, remove AQUAPLOUF, take out the battery pack and store the alarm in a dry place. **While handling AQUAPLOUF, take care to keep it upright to prevent water from running into the dip-tube and reaching the internal sensor.**

Next install a safety cover that complies with the French standard NF p 90-308 over the pool.

The safety of children is not assured with AQUAPLOUF installed under a winter cover that does not comply with the French standard NF P 90-308.

Should a child slide under a cover, the time taken to pull back the cover/remove the cover can fatally prolong the time necessary to save the child.

Furthermore, if the cover perforations do not allow adequate exchange between the surface area above the pool surface and underneath the cover, the evaporation of water and chlorine will generate a highly corrosive confined atmosphere with an abnormally high humidity. This atmosphere will diffuse into AQUAPLOUF through the dip tube and could, over time, inducing corrosion (contacts, battery pack, etc.) or even a malfunction of the alarm sirens.

Consequently, if AQUAPLOUF is left on the edge of the pool during winter, do not install a winter cover on the pool. Make sure that the dip tube remains 15 cm under the water level. Install the extension tube if necessary (see page 6).

BE CAREFUL OF CHILDREN !

Your children's' safety is entirely dependant on you! The risk is highest when children are under five. Accidents don't just happen to others! Be ready to take action!

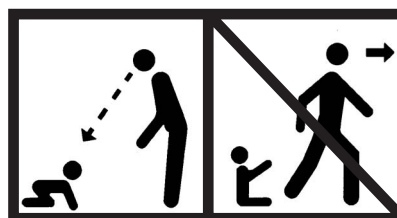
- Supervise and act:
 - children should be supervised closely and continuously;
 - designate a single person responsible for safety;
 - step up supervision while there are several persons in the pool;
 - oblige non-swimmers to wear flotation devices;
 - teach children to swim as early as possible;
 - wet the back of the neck, arms and legs before entering into the water;
 - learn first aid, particularly techniques specific to children;
 - forbid diving and jumping when small children are present;
 - forbid racing or horse-play in the vicinity of the pool;
 - do not allow children who cannot swim well, and who are not accompanied in the water, access to the pool unless they are wearing a life jacket or life vest;
 - do not leave toys near or in a pool that is not supervised;
 - keep water clear and clean at all times;
 - store products used to treat the pool out of children's' reach;
 - in the event that the anomaly signal is tripped, take all steps necessary to prevent children under five from accessing the pool until the system is repaired (see page 8 - battery issues).

- Have on hand:
 - accessible phone close to the pool to avoid leaving children un-supervised while making/taking calls;
 - a life-belt and pole close to the pool.

- In the event of an accident:
 - get the child out of the water as quickly as possible;
 - call for help immediately and follow the instructions that will be given;
 - replace wet clothing with warm blankets.

- Memorise emergency numbers and display these close to the pool:
 - Fire brigade :
 - Medical emergency services :
 - Poison treatment centre :

AQUAPLOUF must regularly undergo a complete system test. This test may be carried out by the user or by a professional. The test procedure is provided on pages 8 & 9.



INSTALLATION AND TEST CERTIFICATE

Installer's name and first name :
Installer's capacity :
Date put into service :

The installer indicated hereinafter hereby certifies, under his or her responsibility, the compliance of the installation as well as the successful completion of the following fall tests:

- Fall test at the furthest point : alarm after.....seconds
- Fall test on the first step : alarm after.....seconds
- Fall test 1 metre from AQUAPLOUF : alarm after.....seconds
- Fall test opposite AQUAPLOUF : alarm after.....seconds

Installer's signature and stamp if any

AQUAPLOUF FALL DETECTOR

- Electronic assembly inside a completely waterproof resin housing + electronic test connector.
- 2 integrated, waterproof fluctuating sirens (105 to 115 dB).
- Stainless steel lock with 2 keys to shut down the alarm system only.

Option:

An additional sirens remotely installed in the home in highly reliable radio contact with AQUAPLOUF on 433 mHz.

Outer shell	<ul style="list-style-type: none"> - Well thought out design: fluid contour and character - homogeneous "beige" colour - Smooth finish - UV treated A.B.S., able to withstand heavy weights (80 kg) - Impact proof - Compact design and reduced dimensions (L 30cm x w 30cm x h 8cm) ; Weight 2 kg - Neoprene foam to ensure watertightness of the electronic test connector
Sensor	<ul style="list-style-type: none"> - Forms a single piece with the outer shell and shares the same characteristics - Specific curve protection to avoid it being pulled away by a child and to allow automatic cleaners to pass - Height adjustable to adapt to standard pools - May be trimmed to adapt to the pool contours - Features strips to protect waterproofing

- Remote control: standby while bathing mode/ reset.
- Automatic reset programmed after the water becomes calm, signalled by 4 characteristic beeps.
- Not subject to false alarms (filtration system, wind, etc.).
- Attaches to the coping by means of 3 attachment points (screws + washers + pins).
- Designed to detect a fall at a distance of less than 7 meters from the detection unit.
- Designed for a pool surface area of less than 50 m².
- No electronic setting/entirely automated.
- Suited to all environments: heat, humidity, salt mist, altitude, etc.
- Not suitable for totally frozen pools.

AQUAPLOUF's supervision modes	<ul style="list-style-type: none"> - Shut down (using the key) - Standby while bathing - Manual reset (by remote control) - Pool supervised (automatic reset) - Battery anomaly - Event log
Additional remote siren (optional) supervision modes	<ul style="list-style-type: none"> - Detection unit battery anomaly - Radio link anomaly

ADDITIONAL REMOTE SIREN (OPTIONAL)

- Computer controlled electronic board directing the operation of the entire alarm system.
- Radio communication with AQUAPLOUF.
- Main power supply : 230 V mains
- Emergency power supply: rechargeable batteries providing 24 hours autonomy (without setting off the siren)
- Integrated 100 dB siren.
- Very low consumption (autonomy, at least 1 year)

Outer shell	<ul style="list-style-type: none"> - Thermo-formed aesthetic design - Colour: off white - Material STD ABS - Smooth finish - Compact design and reduced dimensions (L 23cm x w 19cm x d 7cm)
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- No electronic setting / totally automated
- Vertical attachment (home/place of residence)
- 3 LEDS (signal lamps) for continuous control + Acoustic signal

STEP 1: ASSEMBLING AQUAPLOUF



Fit the protective strips to each edge of the dip tube's protective housing



Insert the neoprene tubing as far as possible into the sleeve of a dip tube.



Pass the dip tube through the ring of its protective housing until it blocks.

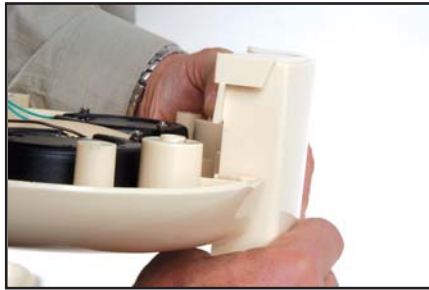
A second dip tube is provided with AQUAPLOUF. This tube may be fitted to the first, thus lengthening it, to ensure that AQUAPLOUF remains operational in the event that the water level in the pool drops significantly (winterizing). When the second tube is in position, its tip should be 15 cm under the water level, as when a single tube is fitted. Do not forget to remove the second tube when the water level returns to normal.

IMPORTANT

AQUAPLOUF'S SENSITIVITY AND CORRECT OPERATION ARE ENTIRELY DEPENDENT ON THE POSITIONING OF THE FLEXIBLE TUBING. ENSURE THAT THE TUBING IS FULLY INSERTED INTO THE DIP TUBE AND THAT IT IS NOT PINCHED OR RESTRICTED. USE A WHITE SILICON MASTIC (BATHROOM QUALITY) TO ENSURE THAT THE SEAL IS LEAKTIGHT.



Bend the neoprene tubing to bring the housing opposite AQUAPLOUF.



Insert and clip the housing to the front of AQUAPLOUF. Do this carefully to avoid damaging the housing's clips. Ease the passage of the fins by pulling the housing slightly forward and simultaneously pressing down.



STEP 2 : INSTALLING AQUAPLOUF

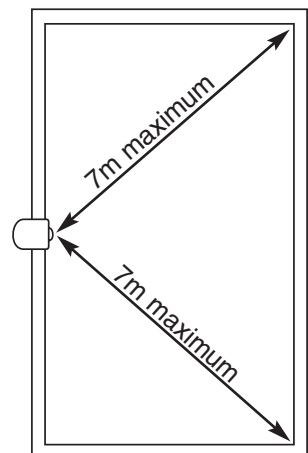
THIS PROCEDURE MUST BE FOLLOWED AND ALL TESTS MUST BE CARRIED OUT.
READ THROUGH THE ENTIRE PROCEDURE BEFORE COMMENCING.

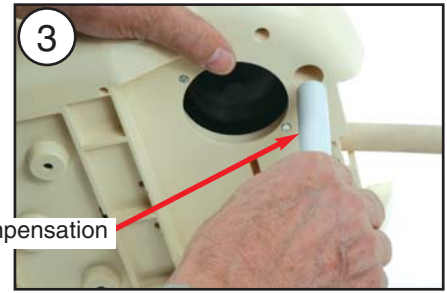
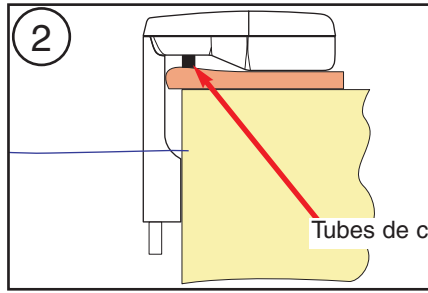
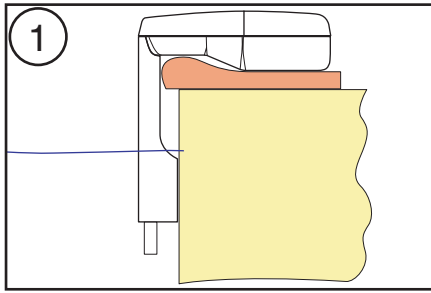
Establishing the optimum position for AQUAPLOUF:

Position AQUAPLOUF on the coping such that the sensor dips into the water. The distance between AQUAPLOUF and the furthest points of the pool should not exceed 7 meters. If this is the case, two or more AQUAPLOUF units will be needed.

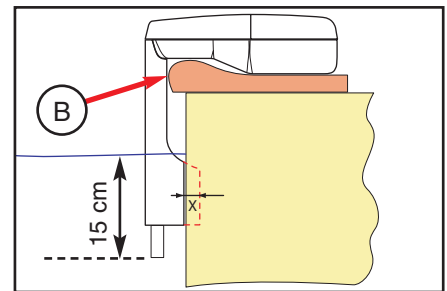
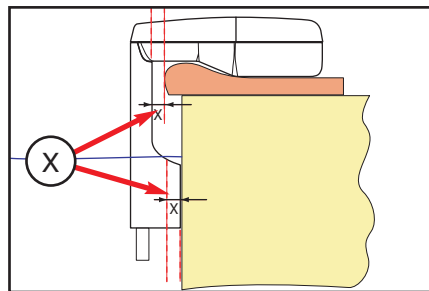
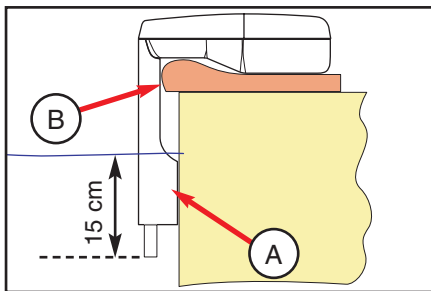
The following positions are contra-indicated:

- less than 3 m opposite a return fitting (eg: jets, counter-swim, etc.),
- above a skimmer,
- above a vacuum point,
- at an access point (eg: ladder, stairs, slope, etc.),
- close to any position where water is likely to be disturbed unpredictably.





Place AQUAPLOUF on the edge of the pool with the dip tube in the water. AQUAPLOUF is designed to follow the shape of curved coping (1). To position on flat or slightly curved coping (2), insert the compensation tubes into the tube housing underneath AQUAPLOUF (3), and adjust the length such that AQUAPLOUF is horizontal.



Push AQUAPLOUF back against the coping as far as possible such that the protective housing of the dip tube is against the coping (B). If it does not touch the coping, measure the distance that separates them (X). This is the amount that will need to be cut from the edge of the lower section. Trim the edges as shown below. In the ideal position, the housing is vertical and the upper section is against the coping (B).



Method for trimming the housing:
 Cut a groove in the housing to create a furrow in the plastic.
 Bend the section to be removed to initiate the break.
 Deburr using a stanley knife and replace the protective strips. Take care when using sharp tools (keep children away).



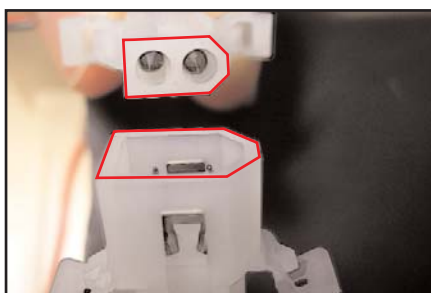
- Fill the pool to its normal water level.
- Adjust the dip tube such that its tip is 15 cm under the water level. Shorten it if necessary.

Water level variation tolerance limits are ± 2 cm with respect to the "normal" adjustment level.

AQUAPLOUF SHOULD ONLY BE FIXED IN POSITION AFTER BEING PUT INTO SERVICE IN ORDER TO FACILITATE ITS REPOSITIONING SHOULD THIS PROVE NECESSARY.

STEP 3: PUTTING INTO SERVICE

Render the pool environment active: filtration on, cleaning robot, etc.



Hold the male connector (battery pack side) opposite the female connector such that the 2 foolproofing profiles match and insert fully (force after the point of resistance to ensure correct connection).

Wait 60 seconds for the CLOC, then turn the key to its "AUTO" position (two BEEPs confirm switch to this mode).

AQUAPLOUF should make a "CLOC" sound about 60 seconds after the battery pack is connected indicating the completion of its systems test. If no "CLOC" is heard, check that the battery pack connectors are correctly assembled.

Approximately 4 minutes after the switch to "AUTO" mode, if the pool is calm, 4 beeps indicate the automatic switch to "POOL SECURED" mode.

STEP 4: PROGRAMMING THE REMOTE CONTROL

With the key turned to "AUTO", move SWITCH 2 on AQUAPLOUF to "ED". Keep one of the two remote control buttons pressed down for 1 second. AQUAPLOUF should reply with 1 BEEP.

No reply from AQUAPLOUF means:

- either that the button was not held down long enough
- or that the programming procedure has already been carried out,
- or that the remote control is experiencing a problem (check that the red LED below the "padlock" button lights up when the buttons are pressed),
- or that SWITCH 2 has not been correctly set to "ED".

Turn SWITCH 2 back to "OFF".

Several remote controls may be programmed consecutively (or subsequently by moving SWITCH 2 to "ED").

Generally, the buttons must be held down for approximately 1 second to ensure that the signals are transmitted correctly by the remote control.

STEP 5: SYSTEMS TEST

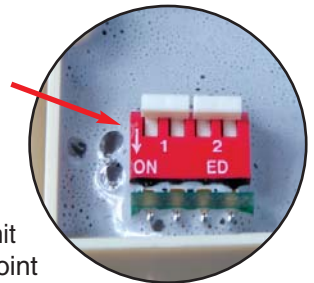
These tests should be carried out before AQUAPLOUF is fixed in position. They should be repeated regularly to check that it is working correctly.

During testing ensure that the siren may be clearly heard from the place of residence.

IF, DURING THE TEST PHASE, IT IS NECESSARY TO REPOSITION AQUAPLOUF, ALLOW WATER TO FLOW FROM THE TUBE BEFORE MOVING IT. TAKE CARE NOT TO TURN IT OVER IN ORDER TO PREVENT WATER FROM REACHING THE SENSOR.

- 1 - Move **SWITCH 1** on AQUAPLOUF to "**ON**" to enter "**TEST**" mode. Keep the switch in this position throughout testing.
- 2 - Wait (about 2 min).
- 3- AQUAPLOUF emits a series of beeps every 30 seconds (up to 20 beeps) indicating the level of water agitation.

Note: If the pool water is perfectly still and has not been agitated since the Aquaplouf unit was installed, it is possible that a series of beeps will not be emitted: skip directly to point 4.



Wait until the number of beeps falls to between 0 and 2 per 30 seconds before carrying out the tests with the dummy. This can take up to 15 minutes.

If the number of BEEPs emitted does not fall to 2, reposition Aquaplouf on the pool and start again ensuring that the distance between AQUAPLOUF and the furthest point of the pool is always less than 7 metres.

Furthermore, wind during installation can agitate the water preventing it from becoming still enough for the number of BEEPS to fall to 2. Under such circumstances, abandon the operation and start again when the wind drops.

- 4 - Make the preparations necessary to time the interval between the release of the dummy and the triggering of the siren.
N.B.: In test mode, the siren turns off 5 seconds after it is triggered. There is no need to use the remote control to turn it off.
- 5 - Carry out the first test: release the dummy vertically from the coping at the furthest point from AQUAPLOUF: the alarm should be triggered within 12 seconds. Note the time taken on the test certificate on page 3. Should the reaction time exceed 12 seconds, reposition AQUAPLOUF and start the test procedure from the beginning.

- 6 - Retrieve the dummy and wait until the number of BEEPs emitted every 30 seconds falls back below 2.
It is absolutely vital that you wait between each test until the number of BEEPs falls to 2.
- 7 - Repeat the procedure from point 4 for each of the following 3 tests:
- vertically from the first step of the ladder if the pool is fitted with one,
 - 1 metre from AQUAPLOUF,
 - opposite AQUAPLOUF, from the other side of the pool.

Once all tests have been completed, move **SWITCH 1** to "OFF" (initial position).

Making a "dummy"

Use mineral water bottles:

- three 1.5 litre bottles,
- six 0.5 litre bottles.

Position the bottles as indicated in figure 1 and attach them together using sticky tape (figure 2).

The bottles should be completely filled with water in order to obtain a density of 1.

This does not constitute a standardised dummy, but it may be used instead of one to perform tests on AQUAPLOUF.

Keep it to carry out periodic tests on AQUAPLOUF.



fig. 1



fig. 2

Fixing in position

Once AQUAPLOUF passes the systems test, fix the base in position:

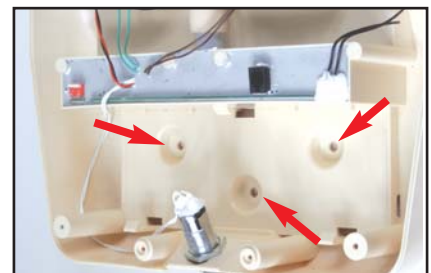
Take the battery pack out of its niche (slide off the plastic ring hold it). Do not cut the plastic ring, it holds the battery pack in position during transportation.



The base is attached by means of 3 holes located under the battery casing using the pins, washers and screws provided.

Check for stability and absence of play and replace the battery pack.

Put the cover in position and attach with the 4 screws (tighten moderately).



USING AQUAPLOUF

AQUAPLOUF FALL DETECTOR:

- Once installed, AQUAPLOUF works 24 hours a day, 7 days a week.
- the key is used for SHUT DOWN ONLY, signalled by 3 BEEPs emitted by AQUAPLOUF and by 1 BEEP emitted continuously every 30 seconds by the additional remote siren (optional).
- SHUT DOWN (by turning the key) should be **EXCEPTIONAL** (Force Majeure) and should not be confused with STANDBY WHILE BATHING mode obtained with the remote control.
- THE KEY SHOULD NEVER BE LEFT IN AQUAPLOUF and should be kept out of children's reach.
- Aquaplouf indicates that it has been deactivated for bathing by emitting 2 "CLOCs" every 15 minutes.

WEAK BATTERY SIGNAL AND REPLACING THE BATTERY PACK:

AQUAPLOUF issues 5 BEEPs every hour and during every intervention when the batteries start to run down. They absolutely must be changed immediately when this signal is heard: undo the connector **without pulling on the wires** but on each of the two parts. Slide the plastic ring off the battery pack and remove the pack from its niche. Insert the new battery pack (provided or approved by PROCOPi).

- Automatic reset: in STANDBY WHILE BATHING mode (see the paragraph on using the remote control below), AQUAPLOUF automatically switches to POOL SECURED mode after the water becomes calm; this ensures that the pool is not left without surveillance in the event that the users forget to reset the alarm manually after leaving the water (see the paragraph on using the remote control below).
Automatic reset is signalled by 4 loud BEEPs. It occurs between 5 and 15 minutes after the water becomes still, depending on the level of agitation after bathing.

NOTE: the alarm system detects water agitation, not the presence of a person in the pool. If a bather remains motionless in the pool, AQUAPLOUF will still switch to POOL SECURED mode 5 minutes after the water becomes calm.



USING THE REMOTE CONTROL

Putting the Alarm System in STANDBY WHILE BATHING mode:

To put AQUAPLOUF in standby mode to use the pool:

- Keep the *** button** pressed down until AQUAPLOUF emits a BEEP.
- Within the following 10 seconds, press the **2 buttons** simultaneously until AQUAPLOUF emits 2 BEEPs, the characteristic signal of STANDBY WHILE BATHING mode.

MANUAL RESET after bathing:

After bathing, AQUAPLOUF may be reset using the remote control without waiting for automatic reset. MANUAL RESET initiates either total or restricted supervision, depending on whether the water has become calm or not (as after bathing). Restricted supervision lasts until AQUAPLOUF automatically switches to POOL SECURED mode.

To reset manually, press the **🔒 button**.

- should AQUAPLOUF emit **4 BEEPs**, **total surveillance** is immediate.
- should AQUAPLOUF emit **1 BEEP**, **surveillance is restricted** until 4 BEEPs are emitted indicating the switch to total supervision mode (after 5 minutes or once the water has become calm).

Turning off the siren after an alarm:

To switch the siren off, press the **🔒 button**. AQUAPLOUF enters STANDBY WHILE BATHING mode.

Using AQUAPLOUF, at a glance				
REQUIRED ACTION	How?	AQUAPLOUF'S REACTION	REMOTE SIREN'S REACTION	REMARK
SHUT DOWN	Turn the key to the OFF position	3 Loud BEEPs	1 BEEP every 30 seconds	Maximum 30 seconds
AUTOMATIC RESET AFTER BATHING	Leave the key at AUTO: Automatic reset between 5 and 15 minutes after the water becomes calm	4 Loud BEEPs		Total surveillance if the water is calm
		1 Loud BEEP		Restricted surveillance if the water is agitated: Caution, the sensitivity is reduced but still compliant.
STANDBY FOR BATHING	Press the "star" button and press the 2 buttons within 10 seconds	2 Loud BEEPs		
MANUAL RESET	Press the 'padlock' button	4 Loud BEEPs		If the water is calm
		1 Loud BEEP		If the water is agitated
SWITCHING OFF THE SIREN AFTER AN ALARM	Press the 'padlock' button			Surveillance mode remains active

CANCELLING REMOTE CONTROL PROGRAMMING

To cancel all the remote control programming, move the two AQUAPLOUF buttons to "ON". After 4 seconds, AQUAPLOUF emits 6 successive BEEPs indicating that is no longer accepting remote commands. At least 1 remote control must then be reprogrammed to be able to use AQUAPLOUF correctly (see **Programming the remote control** page 8).

INSTALLING THE ADITIONAL REMOTE SIREN (OPTIONAL)

STEP 1: ESTABLISH THE OPTIMUM POSITION FOR THE REMOTE SIREN

Conditions for correct positioning:

- maximum 100 meters within an acoustical free field between the place of residence and the pool.
- visible at all times.
- audible throughout the home. Install one or more additional sirens if necessary.
- out of reach of children.
- far from any heat source (radiator, electrical fan, etc.) and large electrical appliances (fridges, washing machines, etc.).
- protected from splashing.

Use the 3 screws in the bottom of the unit to fix in position.

CAUTION !

Before plugging into 230 volts, remove and discard the foam packing piece stuck to the transformer in order to block the power supply board during transportation.

STEP 2: CONNECTING THE 230V MAINS

- The class 2 siren, does not feature any ground.
- The siren is designed to work with a single phase current, 230 Volts, 50 Hz. Before plugging it into the electrical network, make sure that the parameters of the electrical network (current, power, frequency, etc.) correspond to the operating parameters indicated on the product's information label and in the user and operation guide.
- The siren should be connected to the 230 Volt supply in accordance with the rules of the art and in compliance with the standards applicable in the country of installation (NFC 15-100 in France). In the event that an anomaly is observed, do not put the siren into operation.

Cut off the mains prior to any intervention to avoid any risk of electrocution.

STEP 3 : START THE SIREN

Connect to 230 V: the green indicator lamp blinks,

Connect the battery pack: the green indicator lamp is lit steadily.

The emergency battery will be completely operational after an additional charging time of 16 hours.

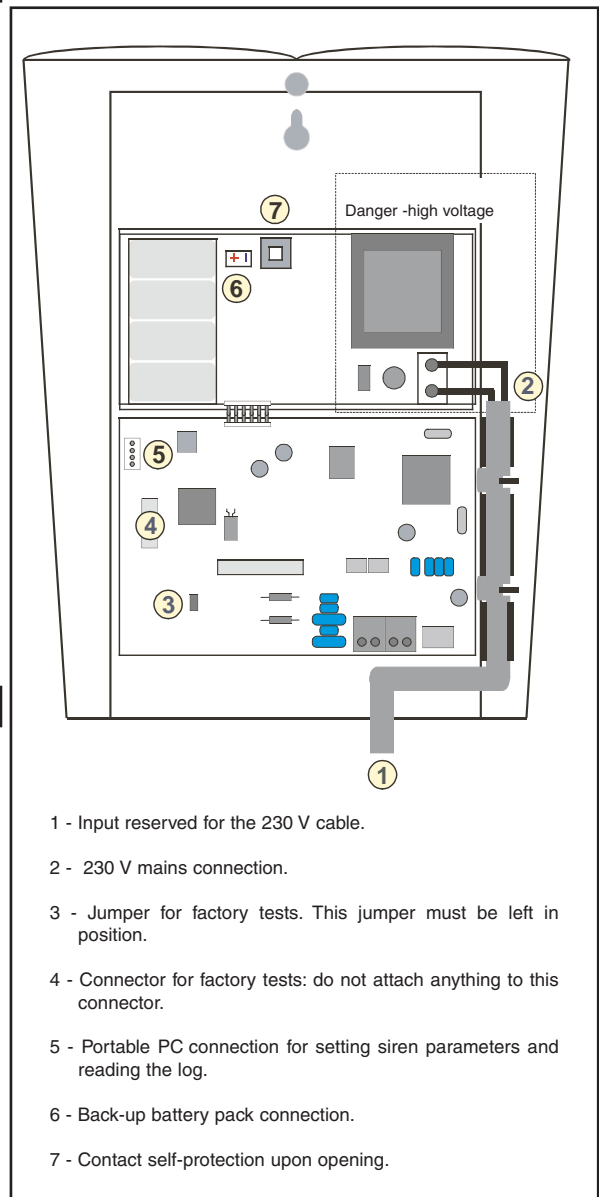
Before the programming the siren, the mains and the battery pack must be installed and connected. The three indicator lamps on the front panel light up if the battery pack is installed while the mains is disconnected or unavailable.

The siren may be placed in "User" mode and in "Test" mode directly.

The  indicator lamp lights up.



To access "Programming" mode directly, enter the factory installer code 2222, followed by *.


The  indicator lamp flashes twice per second.



PROGRAMMING THE ADDITIONAL REMOTE SIREN (OPTIONAL)

1 - ACCESS PROGRAMMING MODE

- Enter the user code followed by  (factory code: 1111).
- Enter the installer code followed by * (factory installer code: 2222, this may be modified subsequently).
- If the codes are valid, the siren switches to "Programming" mode: the  indicator lamp flashes twice per second.

Exit "Programming" mode and access "System Test" mode by pressing "C". The  indicator is lit steadily.

2 - ASSIGNING AQUAPLOUF UNITS TO THE SIREN'S RADIO CHANNELS

The remote siren features 10 radio channels corresponding to a maximum of 5 AQUAPLOUF units.



Each AQUAPLOUF unit must be stored on two radio channels:

- 1 radio channel for transmission of alarms,
- 1 radio channel for transmission of the system surveillance status.

AQUAPLOUF No.1	Radio channel 1	Alarm transmission
	Radio channel 2	Status transmission
AQUAPLOUF No. 2	Radio channel 3	Alarm transmission
	Radio channel 4	Status transmission
AQUAPLOUF No. 3	Radio channel 5	Alarm transmission
	Radio channel 6	Status transmission
AQUAPLOUF No. 4	Radio channel 7	Alarm transmission
	Radio channel 8	Status transmission
AQUAPLOUF No. 5	Radio channel 9	Alarm transmission
	Radio channel 10	Status transmission

To assign channels to the first (or sole) AQUAPLOUF unit:

1° - Assigning the alarm transmission channel:

- Enter the figure "1", this corresponds to the first radio channel, and press "B": the  indicator lamp flashes.
 - if this channel has already been programmed, the "CTRL" indicator lamp lights up steadily. Select a different channel.
 - if this channel is free, the "CTRL" indicator lamp flashes.
- On the first (or sole) AQUAPLOUF, with the key set to "OFF", move **switch 1** to "ON": AQUAPLOUF initiates a radio transmission to the siren.
- Upon receiving this radio transmission, the siren emits an acoustic signal indicating acceptance (long beep) or refusal (4 beeps) in the event that the AQUAPLOUF unit is not recognised or has already been assigned a radio channel.
- Confirm registration by pressing "D": the  indicator lamp flashes twice per second.
- Move AQUAPLOUF's **switch 1** back to the "OFF" position.



IF THE SIREN DOES NOT RECEIVE THE RADIO TRANSMISSION FROM THE AQUAPLOUF UNIT

- 1 - Check that there are no radio transmissions near the AQUAPLOUF unit or the siren that could interfere with the radio transmission (mobile phone, etc.)
- 2 - Verify the transmission frequency of the AQUAPLOUF unit:
 - a- bring the switches back to their initial position (opposite to "ON" and "ED")
 - b- turn the key to "AUTO", wait 5 seconds and turn it back to "OFF"
 - c- simultaneously move **SWITCH 1** to "ON" and **SWITCH 2** to "ED".
 - d1 - the unit will emit 1 BEEP if the frequency is altered. Move both switches to **OFF**, and start the channel assigning procedure from the beginning. The siren should now receive the transmissions from the AQUAPLOUF unit. If not, go to step 3
 - d2 - the AQUAPLOUF unit will emit 2 BEEPs if the frequency was initially correct and was just altered. Go back to step 2a and repeat to obtain the result d1.

- 3 - Check that the siren is correctly positioned.
 - a- reset the siren (see paragraph no. 8 page 13)
 - b- bring the siren close to the AQUAPLOUF unit
 - c- repeat the siren installation and programming sequence from step 3, page 10

If the siren is now receiving transmissions from the AQUAPLOUF unit, this indicates that the initial position selected for installation of the siren was unsuitable (too far away or obstacles obstructing transmission). Finish programming the siren, choose another position and carry out a **transmission test** (see paragraph 7 page 13).

2° - Assigning the status transmission channel:

- Enter the figure "2", this corresponds to the second radio channel, and press "B": the  indicator lamp flashes:
 - if this channel is free, the "CTRL" indicator lamp flashes.
- On the first (or sole) AQUAPLOUF, with the key set to "SHUT DOWN", move **switch 2** to "ON": AQUAPLOUF initiates a radio transmission to the siren.
- Upon receiving this radio transmission, the siren emits an acoustic signal indicating acceptance (long beep) or refusal (4 beeps) in the event that AQUAPLOUF is not recognised or has already been assigned a channel.
- Confirm registration by pressing "D": the  indicator lamp flashes twice per second.
- Move **switch 2** back to "OFF".

Repeat this procedure to assign channels to any other AQUAPLOUF units installed, scrupulously respecting the allocation of radio channels (channel 3, then channel 4, etc.).



While programming, press "C" to return to the beginning of programming mode.

3 - ERASING AN AQUAPLOUF UNIT

- Enter the number of the channel to be erased (1 or 2 figures) and press "B",
- Validate by pressing "D": the channel is freed and the siren returns to "Programming" mode.
- Repeat the procedure for the second channel allocated to the AQUAPLOUF unit in question.


4 - SETTING THE DATE/TIME OF THE REMOTE SIREN

Caution: Following a total power cut (mains and battery), the date and time must be reset.


- Press "H" : the  indicator lamp flashes,
- enter the day in two figures, validate by pressing "D",
- enter the month in two figures, validate by pressing "D",
- enter the year in two figures, validate by pressing "D",
- enter the hour in two figures, validate by pressing "D",
- enter the minutes in two figures, validate by pressing "D",
- the  indicator lamp flashes twice per second.
- The siren confirms data entry with an acceptance signal or emits a refusal beep in the event of an error.

While programming date/time, press "C" to return to the beginning of programming mode.

5 - CHANGING THE INSTALLER ACCESS CODE


- Press * : the  indicator lamp blinks.
- Enter the new installer code and validate by pressing "D": the  indicator lamp flashes twice per second.
- the siren confirms data entry by means of an acceptance signal.


6 - To EXIT INSTALLER MODE AND GAIN DIRECT ACCESS TO THE AQUAPLOUF/SIREN LINK "TEST" MODE

Press "C" to exit "Programming" mode and enter "Test" mode: the  indicator lamp is lit steadily.

- Carry out tests on the AQUAPLOUF(s): when an alarm is tripped, the siren emits an acoustic signal.
- Upon completing tests, exit "Test" mode by pressing "C".

7 - To ACCESS THE AQUAPLOUF/SIREN LINK TEST MODE FROM THE "SHUT DOWN/OFF" MODE

Enter the user code (factory default setting 1111) to enter "TEST" mode and press .

The  indicator lamp lights up.

As soon as an AQUAPLOUF switches to alarm, the siren issues an acoustic signal. During the test phase, the siren emits an acoustic signal if the 230 V mains is cut.

Press "C" to exit "TEST" mode. If "C" is not pressed, the siren exits "TEST" mode automatically after 30 minutes.

8 - RESET AND RETURN TO FACTORY SETTINGS

To delete all siren parameters and return to factory settings :

- Disconnect the 230V mains and the battery.
- Press "0" and plug in the mains while keeping this key pressed down: the siren emits a beep and the red indicator lamp lights up steadily. Release "0" after 5 seconds.
- Reconnect the battery.
- Programmed data is deleted and the siren returns to factory settings.

Batteries

The batteries should not be short-circuited, altered, dismantled, and should not be subject to impact.

Used batteries should not be thrown out or burned. These batteries should be brought to a collection centre or sent back to the supplier.

USING THE ADDITIONAL REMOTE SIREN (OPTIONAL)

The remote siren continuously displays the AQUAPLOUF unit's surveillance status and triggers an alert upon detecting an alarm.



The AQUAPLOUF unit transmits the following to the siren via a radio link:

- information concerning its surveillance status: shut down, bathing mode, surveillance mode.
- alarm information. In this case the siren is actuated for 2 minutes maximum. The siren may be interrupted if the user shuts down AQUAPLOUF using the remote control.

The siren keeps a time-stamped log of the last 500 events. This log may be consulted locally from the installer's portable PC.

The siren features three indicator lamps providing the users with information concerning the status of its power supply and AQUAPLOUF's system surveillance status:

Indicator lamp meanings

INDICATOR LAMP	INDICATOR LAMP FUNCTION	OFF	LIT	BLINKING SLOWLY	BLINKING RAPIDLY
	Siren power supply status	230 V mains cut and battery weak	230 V mains present and back-up battery charged	/	230V mains cut or emergency battery weak
	System surveillance status	Surveillance off	/	Bathing mode	Surveillance on
CTRL	Indicates that an alarm has been tripped	/	Alarm	/	/

The acoustic signals

The siren features an acoustic signal (buzzer) that advises users of changes in the system's surveillance status.

This acoustic signal is actuated:

- for 2 seconds when the system passes from "**Shut Down**" to "**Bathing**" mode,
- for 5 seconds when the system passes from "**Bathing**" to "**Surveillance**" mode,
- for 2 seconds when the system passes from "**Surveillance**" to "**Bathing**" mode.

Switching off the alarm indicator lamp

When the system triggers an alarm, the "**Alarm**" indicator lamp remains lit upon completion of the siren cycle. This indicator lamp is automatically switched off when the system next passes from "**Bathing**" to "**Surveillance**" mode.

AQUAPLOUF/Siren radio link control

While not in "**Shut down/Off**" mode, the radio link between AQUAPLOUF and the siren is monitored continuously. In the event that the radio link is lost, the siren's buzzer sounds continuously until either the radio link is re-established or until the system is shut down.

