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IMPORTANT-Please read first

Congratulation on your purchase of the most advanced and affordable technology available for protecting your pool.

This product does not replace the need for adult supervision of all persons in the pool area. It is not a life saving device. It is an aid to a multi level program of pool safety including adult supervision, knowledge of CPR and swimming instruction for all persons using the pool. It is an intended for use on residential pools only and the manufacturer assumes n responsibility for injuries or consequential property damage while this product is in use on a swimming pool. Proper installation and maintenance are the sole responsibility of the pool owner.

Warranty

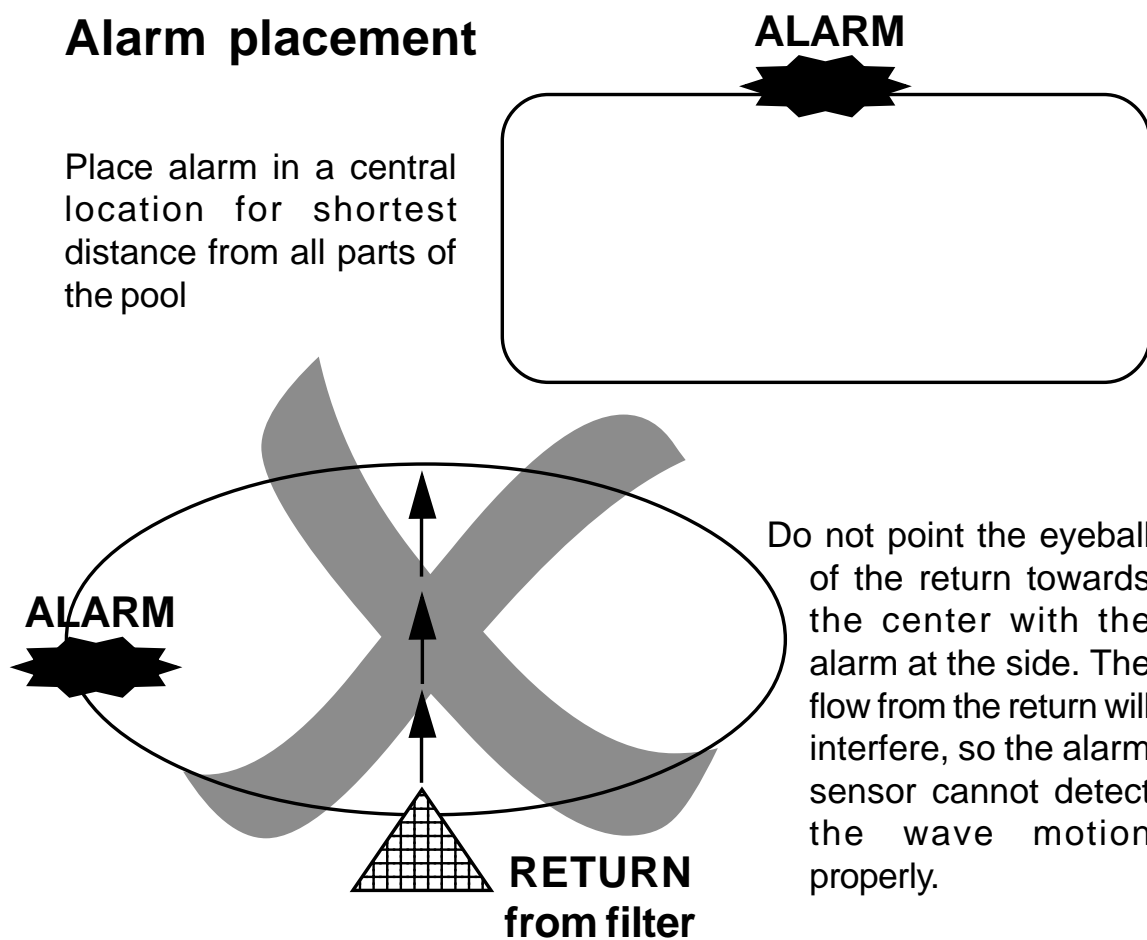
To the original purchaser of this product, SmartPool Inc. warrants the product to be free from defective materials and workmanship within six months of the date of purchase or receipt. See your warranty certificate for details

Warranty questions are handled directly with SmartPool. DO NOT RETURN TO YOUR DEALER.

For installation questions, call 1-877-799-7665 (toll free) weekdays
1 - 4 pm EST Mondays to Friday.

Alarm placement

Place alarm in a central location for shortest distance from all parts of the pool



Pool Side Alarm Transmitter Assembly

The *POOLEYE* pool side alarm transmitter comes with a control head and a separate sensor tube. Before the unit can be used, the two pieces must be assembled together as follows:

Locate the phone jack at the bottom of the control head, and a phone plug coming out from one end of the sensor tube. Place this phone plug into the phone jack.

Gently push the tube into the bottom of the control head. The sensor tube end should fit snugly into the bottom of the control head.



Battery Installation

The pool side alarm transmitter is designed to be powered by a standard 9V alkaline battery and a standard 1.5V AA battery (both not included).

After installing batteries, press the **?** button located at the front on the control unit. The alarm will sound either one beep, or 5 consecutive beeps. This will depend whether the unit is turned ON or OFF.



Low Battery Indicator

The unit has a built-in microprocessor which automatically monitors the 9V battery level. When this battery is running low, it will sound a chirping tone approximately once every 60 seconds. Simply replace the 9V battery with a new one when this occurs.

The AA battery is used to power the temperature monitoring device. When this battery is running low, the LCD display will flash. Simply replace the AA battery with a new one when this occurs.

Pool Side Alarm Mounting

1. Ladder Mounting

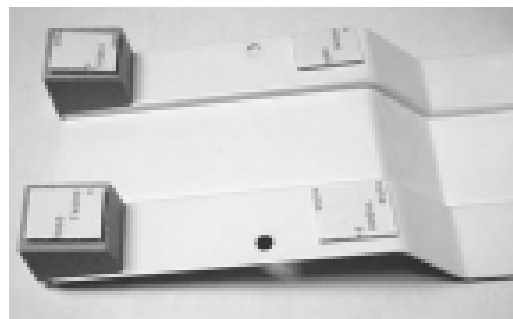
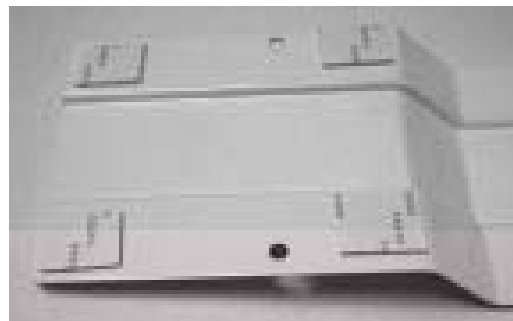
Two pairs of “W” shaped plastic clamps are provided to mount the unit onto a standard 1.9” round pool ladder. For a 1.7” or 1.5” diameter round ladder, use the adaptors as shown.



The unit must be mounted upright and rigidly to the ladder, otherwise it will not function properly.

2. Deck Mounting

A powder coated stainless steel bracket and two sets of “U” shaped plastic clamps are used to mount the unit along the deck of in-ground pools. The metal deck can be either be bolted onto the deck by the two stainless steel screws, or by 4 sets of 3M Dual-Lock pads. If your pool has a concrete deck, we suggest you coat the deck with water-proof paint in the area you will be placing the tape. The water-proof paint will prevent calcium migration that will attack the adhesive. Ensure the area is dry and clean before you mount the metal bracket. Press the bracket down firmly. The adhesive will develop a strong bond under



pressure.

If the deck has a sloped edge, attach the two square plastic pieces to the end of metal bracket to make it level. Use the thicker square piece for greater gradient slope. It is important to make the bracket level so that the alarm unit can be held vertically.



Clamp the unit onto this metal bracket by the 2 sets of “U” shaped plastic clamps. Tighten the screws, but do not strip the threads.

Place the unit such that the wide side of the moving sensor is parallel to the side of swimming pool wall.



Check the sensor in the water. The sensor is buoyant and should stay upright. If the sensor lies on its side, please contact your SMARTPOOL immediately. The sensor must remain in an upright position while it is in the water.

If you have to place the unit near the return, heavy water current may set off the alarm. If this happen, put the sensor cap onto the sensor cage as shown. Place the sensor cap against the water current. Please note that sensor cage with a sensor cap will reduce the sensitivity of the unit. Check the unit function according to that described in the Sensitivity Adjust before use.

NOTE: The deflector will reduce sensitivity. Test the alarm unit as described in Sensitivity Adjust section before use



Turn the unit ON

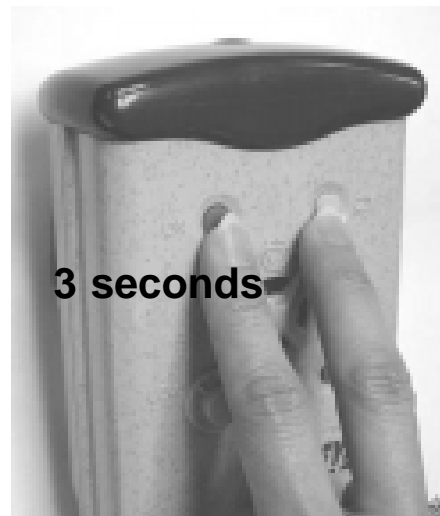
Press the green ON button and the unit will sound one short beep to indicate it is on. The alarm siren will sound when the sensor picks up any water wave motion. Therefore you should wait a few minutes for the water wave to settle down before turning on the unit.

If the alarm goes off immediately after you hit this green ON button, recheck the mounting of the alarm unit. If the unit is not securely mounted, pushing the control head will cause the alarm to sound off. If the alarm continues to sound off whenever it is turned on, please read the Sensitivity Adjust section.



Turn the unit OFF

Press and hold both the green ON and the yellow RESET button simultaneously for 3 seconds, until you hear 5 consecutive beeps. The unit is now turned OFF.



Reset the unit

Press the yellow RESET button to turn OFF the siren. This will reset the unit to the ON state automatically.

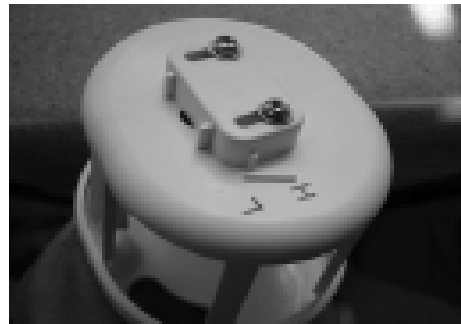
Sensitivity Adjust

1. Sensitivity adjust switch

The most effective way to adjust the sensitivity is to move the sensor adjust piece located at the bottom of the sensor tube.



Loosen the two screws on the bottom of the sensor.



Move the plastic piece with the pointer pointed to “H” if you want higher sensitivity or to “L” if you want lower sensitivity. The unit is preset at factory to “H”

If you have to place the unit near the return water flow, snap the cap onto the sensor cage facing the direction of water flow. See Pool Side alarm Mounting.

NOTE: The cap will reduce sensitivity. Test the unit as described in Alarm Unit Function Test before use.

2. Depth of immersion

The patented design sensor can pick up underwater wave motion caused by an object falling into water. The sensitivity of this sensor is dependent on the depth of immersion. The unit will be more sensitive if it is placed closer to the water surface.



Alarm unit function test

Fill a 5 Gal pail 1/3 full with water and drop the pail from a height of a few inches from the surface of water. The wave created should activate the alarm. If this test is unsuccessful, adjust the sensitivity (refer to Sensitivity Adjust section).

Between each weight drop test, you should turn the unit OFF. Then wait until the water settles.

Repeat the same process at all locations of your pool. If the alarm fails to sound, move the alarm unit to another position and try again. If you find a dead zone in your pool, this may be an indication that your pool needs a second alarm unit.



Do not use the unit until the test results are satisfactory.

IMPORANT NOTES:

If the underwater wave motion is unsettled, the alarm siren will sound when you release the button. In this case, turn OFF the unit until the water settles down, and then turn the unit ON again.

Pools larger than 18 feet by 36 feet, L-shaped, or some other free form pools, may require more than one pool side alarm transmitter for effective monitoring.

The pool side alarm unit should be able to detect an object that weighs over 15 lbs.

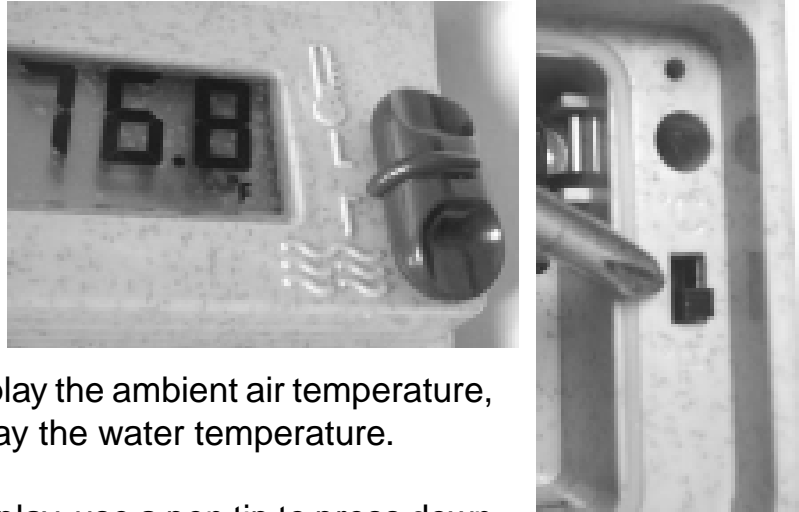
Built in Thermometer

The pool side alarm unit has two built in thermostats, that can measure both the ambient air and pool water temperature.

select the temperature display in F or C by the switch located inside the battery hatch on the back of the head unit.

The LCD can display either ambient air or pool water temperature by the slide switch located next to the LCD display.

Slide it up to display the ambient air temperature, or down to display the water temperature.



To turn OFF the display, use a pen tip to press down the RESET button for 3 seconds. This RESET button is located inside the battery hatch.

To turn ON the display, briefly hit the RESET button.

If the temperature display flashes, it indicates the AA battery is running low. Replace it with a new one. Hit the RESET button briefly if the LCD display does not work properly.



RF (radio frequency) signal link testing

This unit provides a convenient RF link testing, to ensure good RF transmission without setting off the alarm.

Hit the **?** button and hold for a couple of seconds. The unit will sound one beep or five consecutive beeps. This will depend on whether the unit is set to ON or OFF. Continue to hold this TEST button for three seconds until you hear three consecutive beeps. The unit will send out a RF alarm signal to the receiver inside the house without setting itself off.

The receiver inside the house should sound within ten seconds after this three consecutive beeps. If the receiver does not ring, move the receiver to another location and check the installation again. Ensure all *POOLEYE* devices are set to the same channel. (Refer to channel A/B select of both pool side alarm transmitter and receiver).

IMPORANT NOTES:

Remember to check the RF link periodically to ensure good RF transmission. If the RF signal is weak, replace the battery in the pool side alarm with a new one.

RF signal can be transmitted through a solid wall. However, it is possible that this may weaken the RF signal. To avoid this, it is important to place the receiver in a straight line of sight to the transmitter whenever possible.



The microprocessor (built in the transmitter) is programmed to make three attempts to send the encoded RF signal out to the receiver. If the first attempt fails, the transmitter will change the coding and make a second attempt. If it fails again, the transmitter will change the coding and try for the third time. As a result, you may experience a few seconds delay between setting off the pool side alarm transmitter to the receiver.

Battery level affects RF signal strength. Weak battery in the pool side alarm transmitter will give weak RF signal out.

Transmitter channel A/B select

The pool side alarm RF (radio frequency) signal can be transmitted from the transmitter to the receiver inside the house by two different channels (A or B). All units are preset at channel A in the factory. However, if your alarm system interferes your neighbor's alarm system, you may have to change your alarm unit to channel B.

The pool side alarm unit has a built-in channel select switch. This is located inside the battery compartment. Follows these instructions to change the channel.

1. Open the battery door and remove the battery. You can see an A/B slide switch located at the corner of battery compartment.
2. Use a screw driver to push the switch handle from A to B. Make sure to do the same channel adjustment on **ALL** your *POOLEYE* devices, including the receiver.



Remote receiver

Place the remote receiver inside your house but close to the pool side alarm unit and at a straight line of sight. DO NOT place the unit near large metal objects or large motors, such as a refrigerator, or washing machine. This will adversely affect the RF reception

Plug in the A/C adapter and the green LED will stay ON, indicating it is ready to receive signals.

Hit the RESET button located between the two LEDs, to reset the receiver. Each reset will disable the receiver for 10 seconds, allowing you enough time to go to the pool side alarm transmitter to reset it, or turn it off. During this 10 second timeframe, the red LED will flash every 1 second. If you do not reset the receiver, it will reset automatically in four minutes.



Receiver channel A/B select

The pool side alarm or other POOLEYE alarms RF (radio frequency) signal can be transmitted from the transmitter to the receiver inside the house by two different channels (A or B). All units are preset at channel A in the factory. However, if your alarm system interferes your neighbor's alarm system, you may have to change them to channel B.

The remote receiver has a built in channel select switch, located inside the receiver box. Loosen the four screws and remove the battery door. You can find a slide switch at the corner that mark "A" and "B". Push the switch handle from position "A" to position "B". Make sure you do the same channel adjust on all your *POOLEYE* devices, including the pool side alarm transmitter. Check the RF link periodically to ensure good RF transmission.

Back up power

The receiver unit is designed to use a regular alkaline 9V battery as back up power source. To install this back up battery, remove the 4 screws and open the battery door.

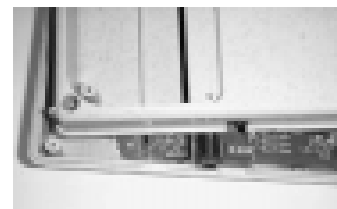
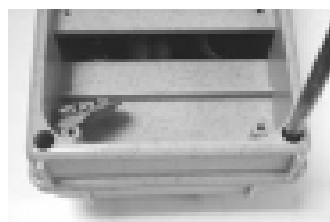
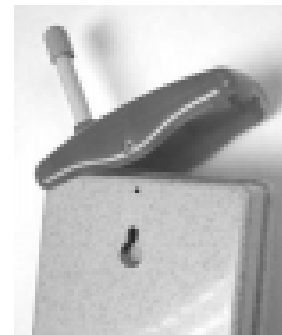


**9V alkaline battery
Back up power**

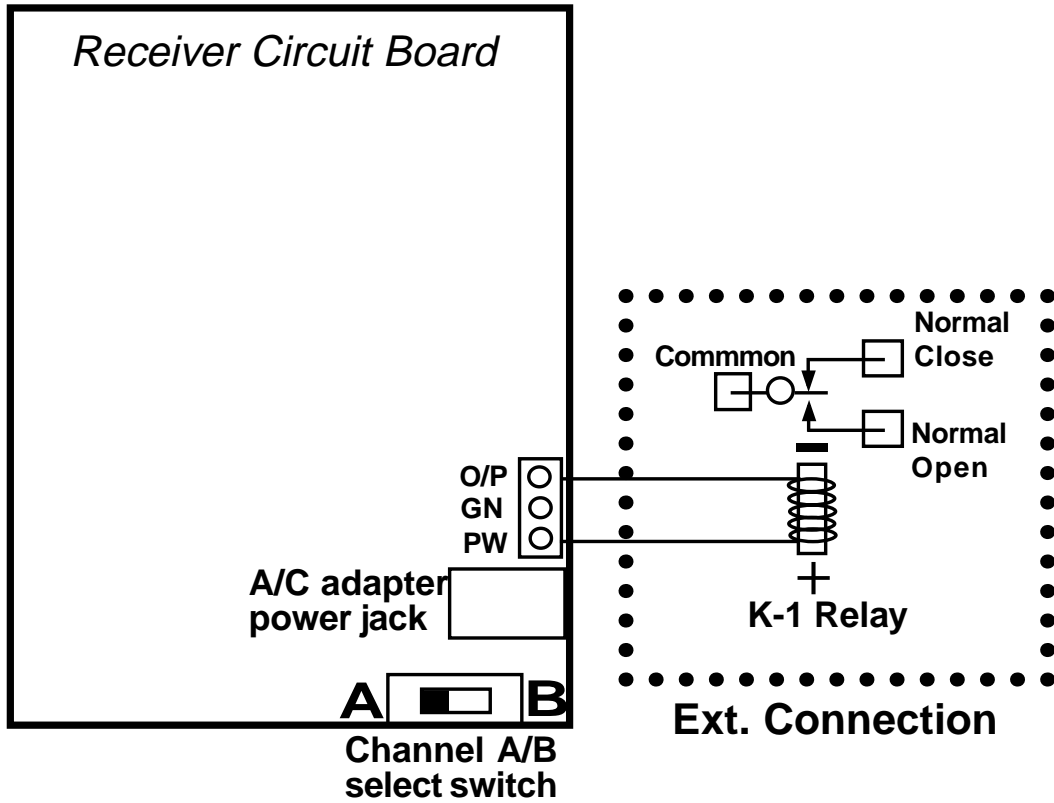
How to connect to your home security system

The remote receiver has a three junction terminal block, so that you can connect it to your home security system or other third party safety device. When the receiver receives a RF (radio frequency) alarm signal, it will activate the terminal block in 3 seconds. Resetting the receiver within 3 seconds ensures that you will not activate your home security system.

Loosen the screw at the top and remove the blue cap. Remove the battery door and loosen the two screws. Open up the box and you can find a 3 junctions terminal block near the A/C adapter power jack.



The terminal block signal switching is controlled by microprocessor.
For current switching, it is recommended to connect a K-1 type relay (not included) to the terminal block as shown.



Trouble Shooting

Q. Alarm unit cannot detect underwater wave signal

- ★ Check the unit by hitting the “?” button. If the unit does not give any beep, replace the 9V battery with a new one.
- ★ Check the phone jack connection between the sensor tube and the alarm unit control head. Make sure it is connected properly.
- ★ Check the sensitivity setting on the bottom of the underwater sensor and the depth of the sensor into the water.

Q. The alarm unit gives frequent false alarms

- ★ Check the unit installation. Make sure it is mounted rigidly and straight upright. If the unit can be moved sidewise under strong wind, it indicates the unit is not mounted rigidly.
- ★ Check the sensitivity setting. The sensitivity may be set too high.
- ★ The sensor can detect any water disturbance including the flow from the filter pump. Place the alarm unit away from the return, or put a deflector cap on the sensor cage.

Q. The temperature display stops working

- ★ Hit the RESET key located under the 9V battery.
- ★ If the display does not come up, replace the AA battery.

Q. The poolside alarm unit siren cannot be turned OFF

- ★ Push and hold BOTH the green button and yellow button for 3 seconds until you hear 5 consecutive beeps.
- ★ Wait until the water settles down before you turn on the unit again.

Q. The receiver does not sound alarm immediately when the poolside alarm goes off

- ★ The transmitter makes 3 attempts in 10 seconds. If the receiver missed the first transmission because of interference, it has the 2nd and then the 3rd chance to pick up the RF alarm signal. Because of this, occasionally the receiver may experience a time delay.
- ★ Weak RF signal is more susceptible to any interference. Replace the 9V battery with a new one.