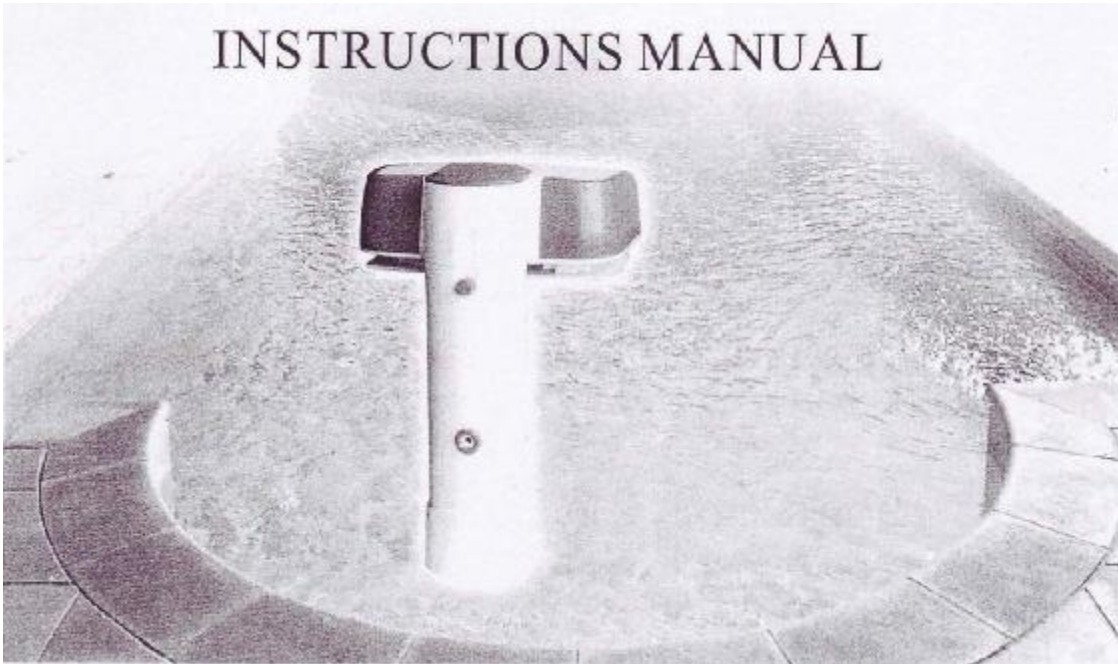


PoolDog CZNL-01

INSTRUCTIONS MANUAL



Introduction

Thank you for purchasing the Pool Dog CZNL-01 swimming pool alarm. This product is the result of years of research and development and is loaded with patented features, which will make your swimming environment a safer area for yourself, family, guests, and pets.

This product has been designed using innovative and intelligent software coupled with high-tech sensors to provide you with an efficient yet trouble free solution to pool security. It has been engineered to detect the intrusion into the pool by a young child, while not having annoying false alarms caused by wind, rain, filter, floating objects, or automatic cleaners. It has been tested against to the toughest standards all over the world and is now ready for your pool.

Vital Information

The CZNL-01 is easily installed on most pools with the following exception of negative edge or infinity pools. Please read the entire installation manual before beginning the installation of this alarm. Once read through, follow the manual step by step to insure a quick and easy installation process. The CZNL-01 is a pool alarm designed to detect an intrusion into an unsupervised pool. It is not a lifesaving device and should not replace the supervision of children around a pool by responsible adults. It is recommended that a pool

be protected by layers of protection such as a gate, a gate alarm, pool cover, etc..

Basic Pool Safety

It is imperative that if the alarm sounds that you react quickly as drowning can occur in as little as three minutes.

Never leave children unattended near a pool.

Once installed the system should be tested weekly to insure it is in good working order.

Layers of protection add to the security of the pool. A barrier fence should always be used around a pool in conjunction with a gate, or door alarm,, to alert the responsible party that an unwanted intrusion to the pool area has occurred.

Make sure that the alarm is situated in an area where the audible alarm can easily be heard.

Be sure to maintain a proper water level as to high or low water levels can trigger false alarms or not detect an intrusion.

Be prepared to deal with an emergency should one occur. Have an action plan in place and a working phone close to the pool to handle an emergency. To best avoid an emergency please follow these precautionary procedures for pool safety.

Always keep the pool water clean and clear. A green pool (caused by improper maintenance) can conceal a child or individual that has fallen into the pool and is on the bottom. If an individual sinks to the bottom of a green pool and cannot be seen, it will delay the rescue procedure, wasting precious seconds. This is a highly dangerous condition.

Children shall be closely monitored when in proximity of the pool.

Added supervision is required if more people or children are in the pool.

Teach your children to swim as soon as possible.

Do not allow children who cannot swim enter the pool area without a life vest on.

Always keep the water clean and clear so all objects on the bottom of the pool are visible.

Learn life saving techniques, especially for small children.

Do not leave toys or objects floating in an unattended pool. This is an invitation for a child to enter an unattended pool.

Prohibit running near the pool.

Store pool chemicals out of reach of children

If water temperature drops below 32 degrees Fahrenheit or 0 Celsius the alarm must be removed to prevent damage to the unit.

Installing the CZNL-01

Begin the installation by carefully unpacking the box and checking to insure all parts are present. If any parts are missing contact customer service at for replacement parts. See the parts list below.

- Main Alarm Body.

- Alarm Mounting Plate.

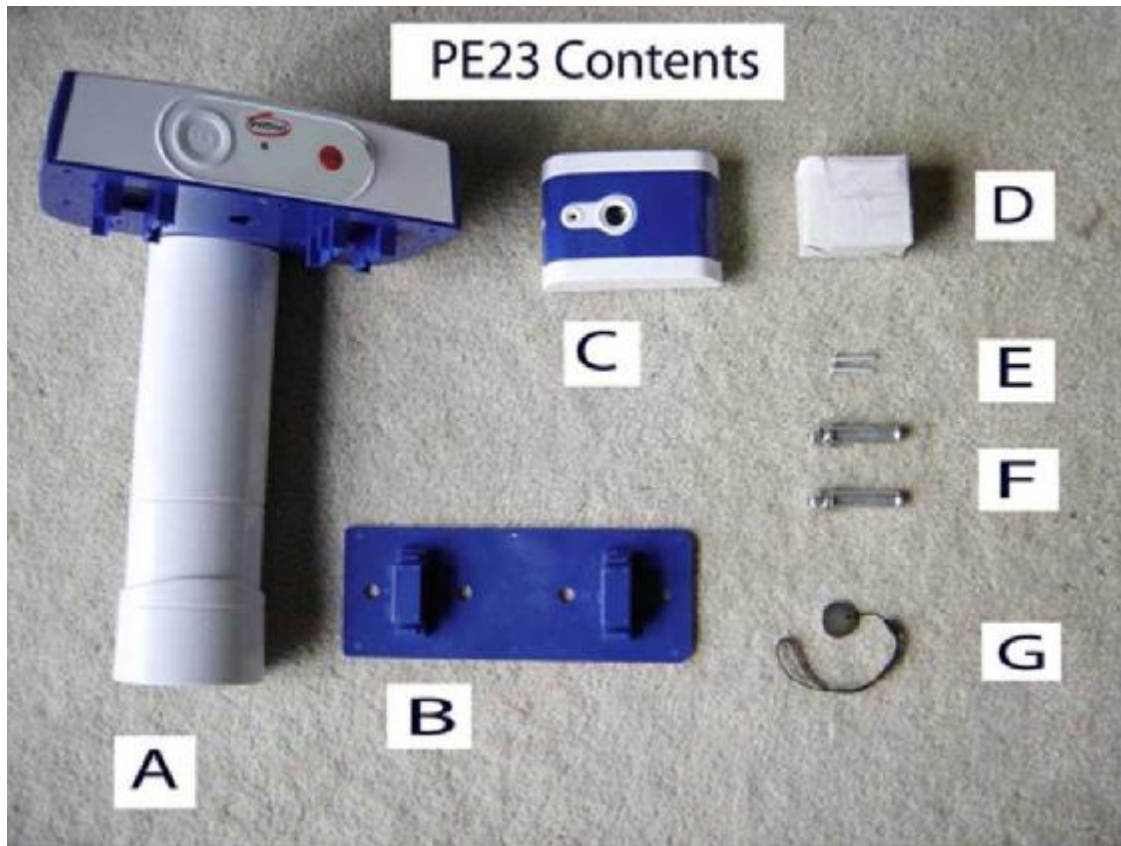
- Remote Siren.

- AC Adapter for Remote Siren.

- Mounting screws for Main alarm Body.

- Mounting Anchors.

- Magnetic Key.



Required Tools

Pencil
 Phillips head screwdriver
 1/2" drill bit
 Electric Drill
 Adjustable wrench
 Masking tape

Choosing the location

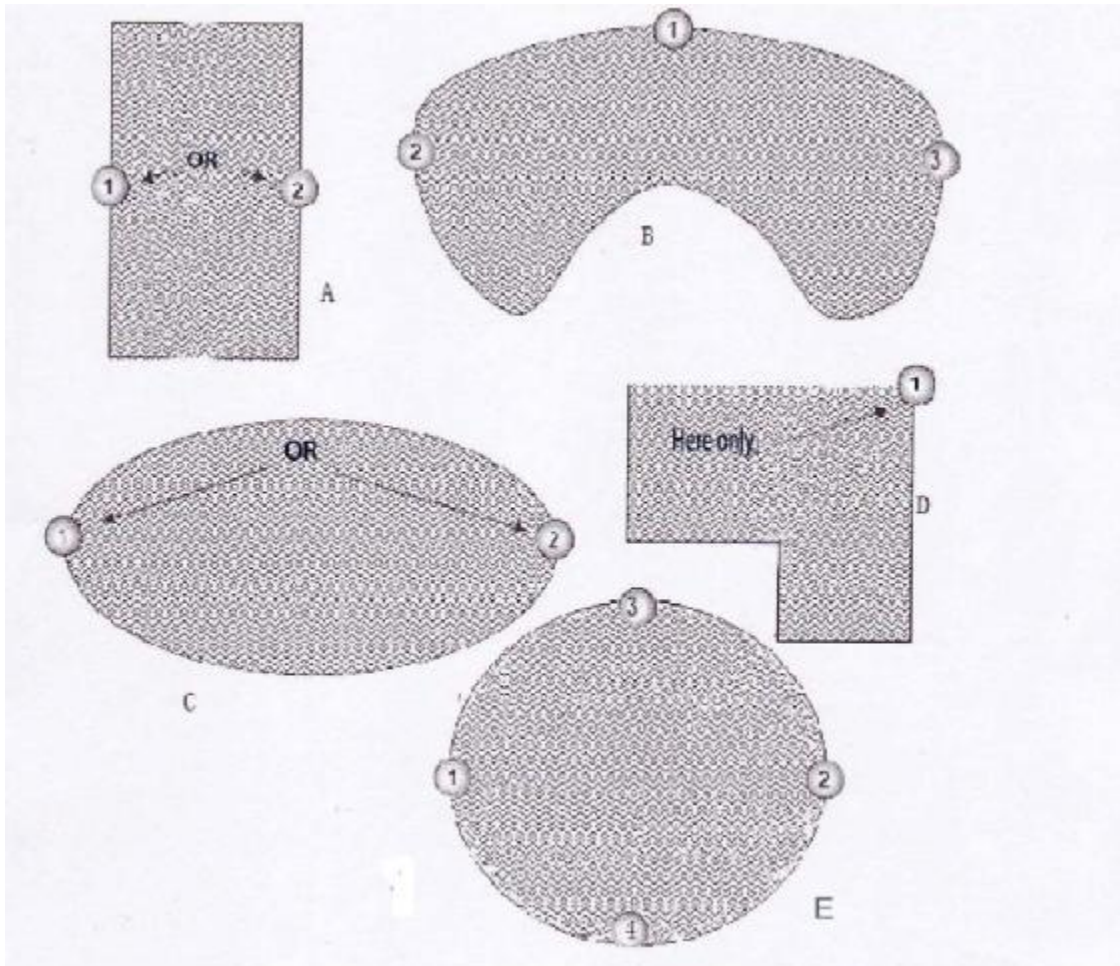
The location of your alarm is critical to insure that it performs at its optimum abilities. Below is a diagram showing the most popular pool styles and their optimum mounting points on the pool. Decide which configuration is closest to your pool and continue with the installation.

In configuration A the CZNL-01 is effective on pools up to 40' x 20' (12 x 6 meters) and should be placed at **location 1**. For larger pools a second alarm should be added to **location 2**.

In configuration B the CZNL-01 should be installed at **location 1** if the pool size is 26 feet (8M) or less. If the pool exceeds 26 feet (8M) then a second alarm is required. In this case, install the alarms at **location 2 AND 3**.

In configuration C the CZNL-01 should be installed in pools 24 feet (8m) or less, at **location 1**. For pools larger than 24 feet, a second alarm should be added at **location 2**.

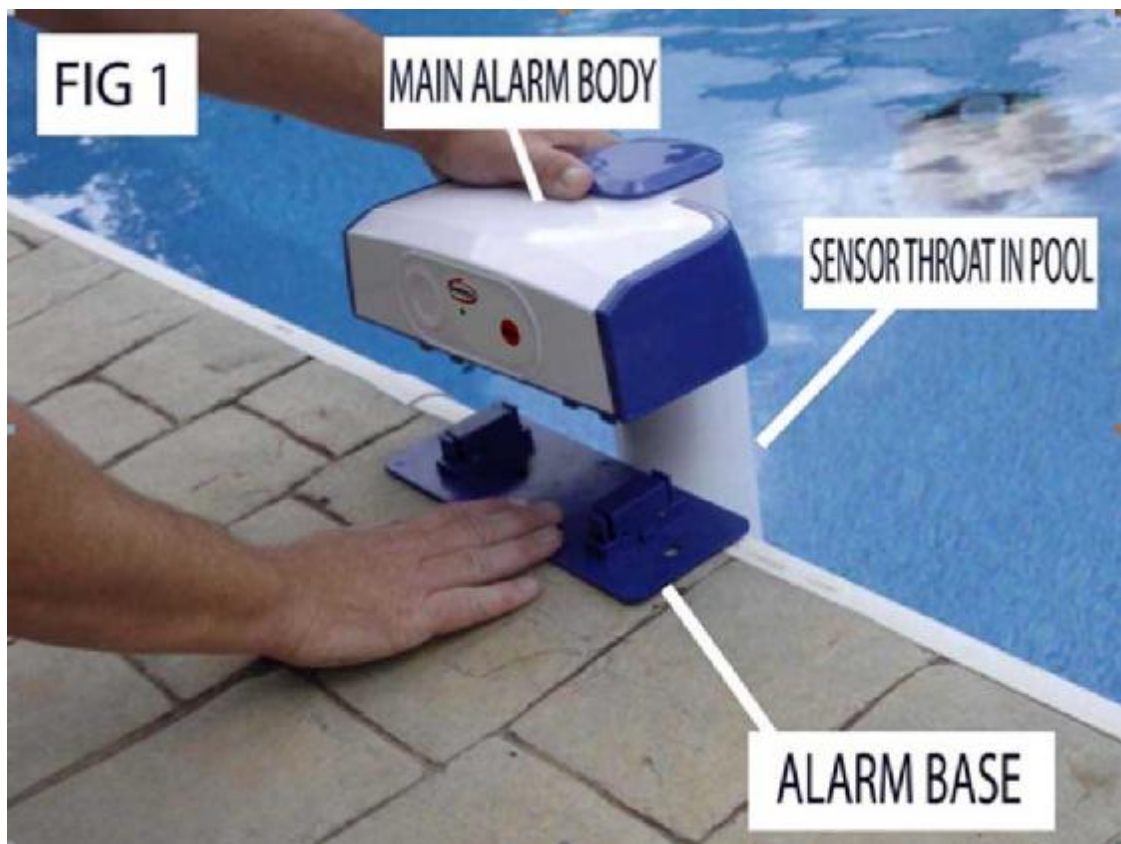
In configuration D the CZNL-01 should be installed in pools if 17 feet or less in **location 1**. For pools larger than 17 feet a second alarm will be needed.



Installing the Alarm

STEP #1

Test fit the alarm (A) in the location as predetermined by the configuration above. The alarm sensor pipe throat should be in the water as shown, and the mounting area for the base shall be level and flat. The alarm base (B) should snap into the bottom of the main alarm body easily while allowing the sensor throat to extend directly into the pool at a 90 degree angle as shown in FIG 1.



STEP #2

Once the location of the base plate (B) has been determined, use a pencil to mark two holes to be drilled into the deck to secure the alarm. There are four holes in the base, choose one hole on the left side and one on the right. See Fig 2.



STEP #3

After the holes are marked, drill the two holes out using a $\frac{1}{2}$ inch masonry drill.

****NOTE** TAKE GREAT CARE USING POWER TOOLS AROUND THE POOL. BE SURE THAT NO PEOPLE ARE IN THE POOL DURING ANY PHASE OF THE INSTALATION. REMOVE ALL POWERTOOLS FROM THE POOL AREA AS SOON AS THAT PHASE IS COMPLETE.****

The holes need to be drilled $1 \frac{3}{4}$ inches deep (Fig 3). The easiest way to determine how deep to drill, measure $1 \frac{3}{4}$ inches from the end of the drill bit. Mark that location with a piece of tape. When drilling, stop when the deck is level with the tape. The hole should now be $1 \frac{3}{4}$ inches deep.

Remove all dust and debris from the holes. Remove the nuts and washers from the mounting anchors (F), and insert the mounting anchors into the previously drilled holes. To mount on a wood deck, use $\frac{1}{2}$ inch x 1 inch lag screws with $\frac{1}{2}$ inch washers (not included) screwed directly to the decking. To mount on a metal rail, use $\frac{1}{2}$ inch x 1 inch machine screws with $\frac{1}{2}$ inch washers and nuts



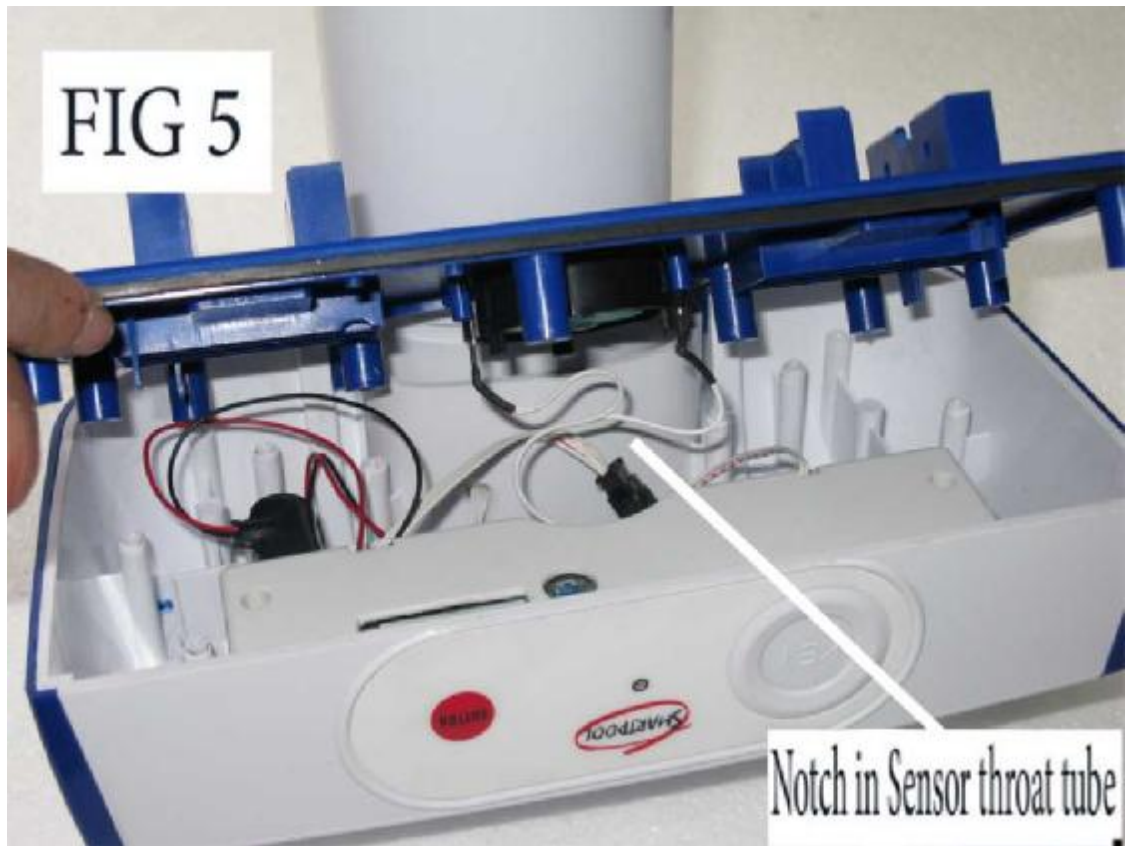
STEP #4

Install the alarm base over the two anchors. Place the flat washer over the anchor threads, then the lock washers. Next screw the two nuts onto the anchors and tighten snugly using a wrench as shown in Fig 4.



STEP #5

Turn the main alarm body over so the sensor throat is pointing skywards. Remove ALL 11 screws which secure the waterproof cover. Lift the cover off by carefully lifting it up and away from the side opposite of the sensor throat as shown in Fig 5. Be careful not to loose any of the screws. **When the batteries are installed, the alarm will sound and it is very loud! Be prepared and do not drop the unit!** Slide two **NEW** long life 9V alkaline batteries (not included) into the battery holders as shown in Fig 6. Connect the batteries to the battery connectors. To ease installation, place the magnetic key over the round white embossed area on the front of the alarm labeled **KEY**. At the same time, press the **RED** push button. The alarm will sound in one long burst to signify that it is in swim mode. The LED indicator located between the key area and the push button will flash red. The alarm is on but will not sound and can be handled for 3 minutes without the siren sounding



STEP #6

Tuck all wires into the main alarm body and reinstall the waterproof cover. Take care to slide the semicircular area at the back of the cover under the notch in the sensor throat tube **FIRST** as shown in Fig 5. Be sure that the cover is fully aligned and seated, and then replace **ALL 11 SCREWS**.

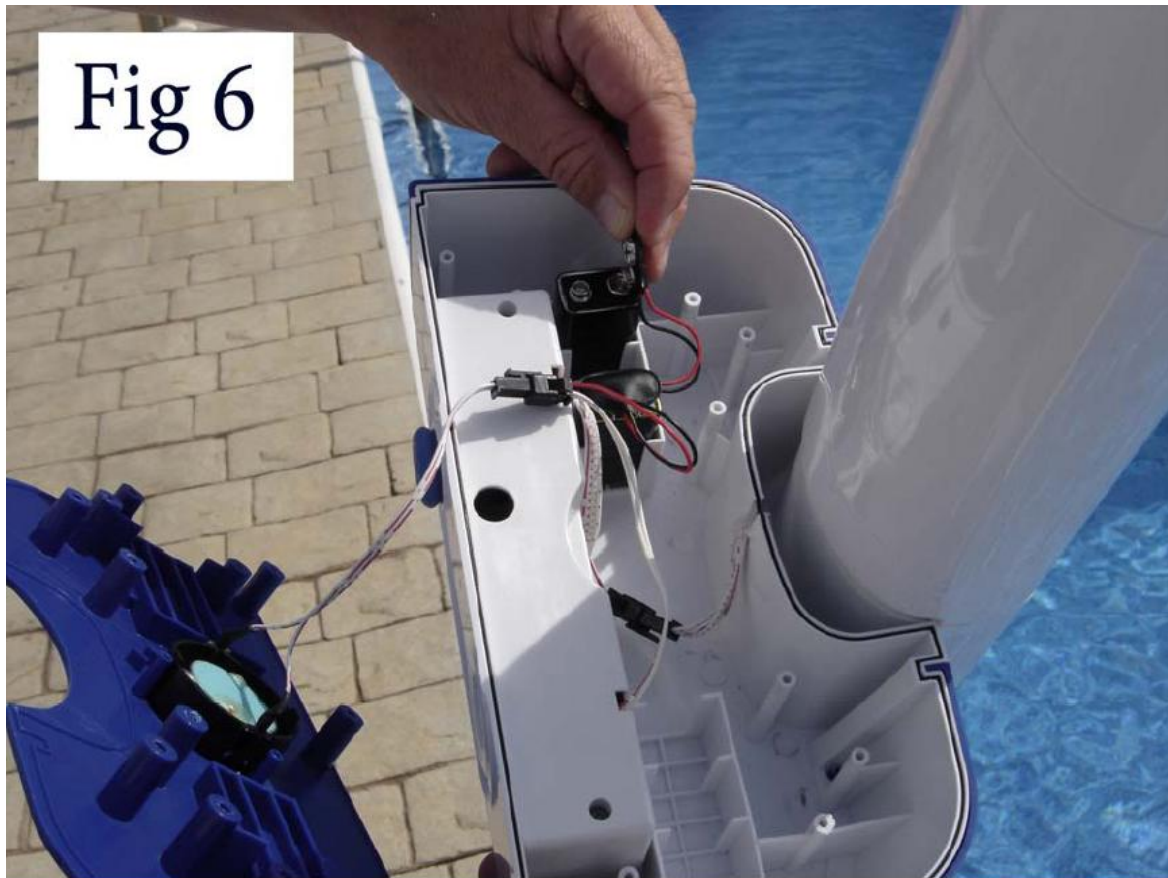


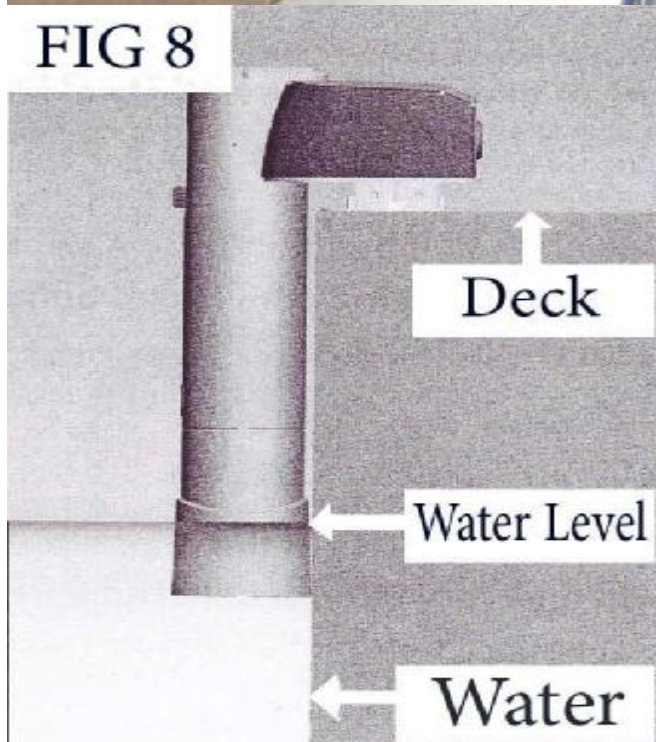
Fig 6

STEP #7

The alarm is now ready to be attached to the mounting base. Simply snap the main alarm body into the mounting base. Use a Phillips head screw driver to install the mounting screws (E), into the base to secure the main body to the base as shown in Fig 7.

Step #8

The water level of the pool must be adjusted and maintained in order for the alarm to perform properly. The sensor throat tube should stick into the water between 3 ¼ inches to 2 inches. If the water should go far above or below this level, the alarms effectiveness is greatly diminished. Maintain proper water levels at all times. Never block or fill the air hole located on the back of the alarms sensor throat. See Fig 8.

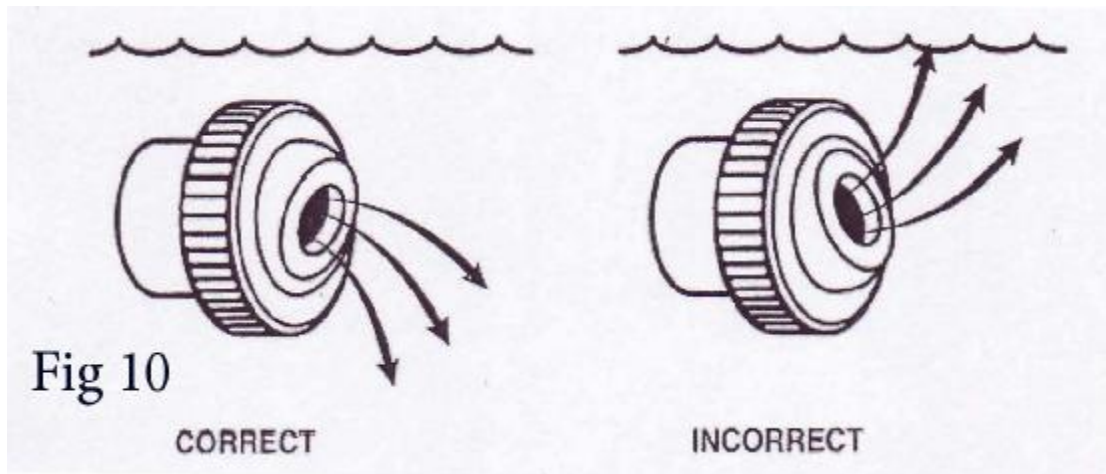


STEP #9

Mount the Remote siren no more than 100 linear feet from the base unit in an area inside your home where it can be heard throughout the house should

the alarm sound. Turn the remote siren over and remove the Phillips head screw. Install one 9V long life alkaline battery. Replace cover. Plug the AC adapter (D) into the remote siren (C). Then place it on a flat surface or use a screw to mount it to a wall near an electrical socket. Plug the AC adapter into the wall socket. See Fig 9. It will give two short sirens to show that it is functioning, and a red led will light on the unit. If the main AC power should fail (power outage or accidental unplugging) the siren will use battery backup, one alkaline battery can last around 100 hours. The siren will still receive a signal from the main alarm unit, and will alarm if triggered. Strongly recommend to use AC power in daily use. If battery in main alarm is low, the siren will deep one time each 8 seconds, you need to change battery for main alarm. If remote siren battery low, it will constantly beep without stop in low volume.





STEP #10

Turn the return jets from the pools filtration system down towards the bottom of the pool. This will not effect the pool circulation; in fact it will help conserve chemical consumption. This is required in order to maintain the tightest security level possible using this alarm. See Fig 10. Installation is now complete. The unit **MUST** be tested.

TESTING THE UNIT

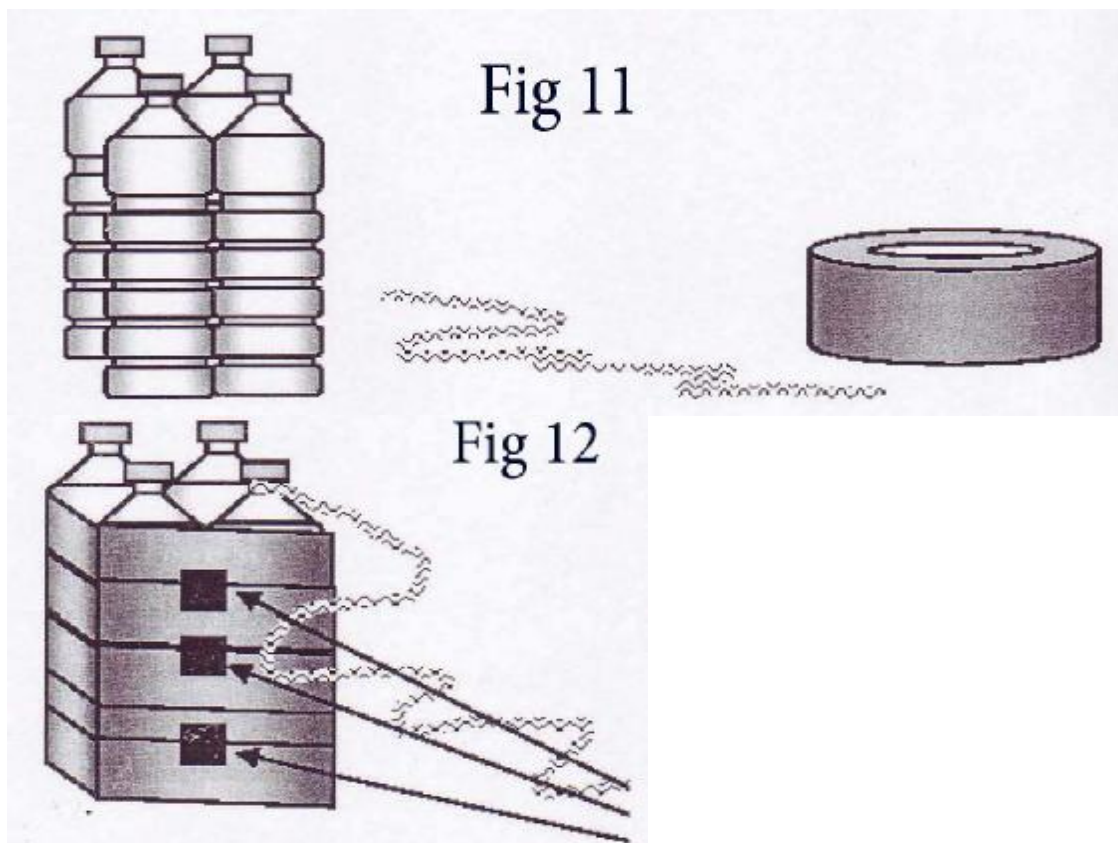
To test the alarm, you can make a simple device that will simulate the size and weight of a young child. See Fig 11 and Fig 12. The materials needed are:

- 4 X 1.5 liter water bottles.
- Duct tape
- 6 ft of strong string

Fill the four bottles with water.

Use the duct tape to strap all 4 of the bottles together.

Tie the string tightly to one of the bottles.



Drop the bottles into the pool from a height of 4.5 inches. The alarm should sound. Use the string to retrieve the bottles. Test the alarm weekly to insure maximum protection.

Using the Alarm

This pool alarm is designed to protect the pool at all times. To swim in the pool, the key must be present. To enter swim mode, an adult must place the magnetic key onto the faceplate area where it is marked KEY while at the

same time pressing the red button. The alarm will emit a long beep signifying that it is now in swim mode. The LED on the faceplate will now flash red, and will continue to flash red while it is in swim mode. The pool can now be used without the alarm sounding. When all swimmers exit the pool and the water becomes still, the alarm will automatically rearm itself and again in 3 minutes after surface quiet to protect the pool. The alarm will emit a long siren announcing that it is again in active protection mode and the green LED on the faceplate will flash. If immediate protection is desired, wait until the water is calm, and then push the red button on the faceplate. This will instantly rearm the alarm.

If the alarm is sounding, immediately check the pool **FIRST** for any unsafe condition. If the pool is clear of danger, push the RED button to silence the alarm and return to protection mode.

Low Battery Indicator

The alarm comes equipped with a low battery indicator. If the batteries need to be replaced, the alarm will emit a chirp every 8 seconds. Refer to steps 5 and 6 for battery replacement.

Winterization

When the pool is closed and covered for the winter, remove the main alarm body from the pool and remove the batteries. Store the main alarm body indoors for the winter months. The alarm should be removed from the pool if the air temperature will ever drop below 32 degrees Fahrenheit. Remove the batteries from both the main alarm unit and the remote siren for storage. Freezing of the pool water will damage the alarm. Freeze damage is not covered under the warranty.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.