

# **POOLEYE®**

**SWIMMING POOL ALARM SYSTEMS**

## **MODEL NO. PE12 OWNER'S MANUAL**





















# IMPORTANT: READ THOROUGHLY PRIOR TO INSTALLING AND OPERATING THE POOLEYE ALARM.

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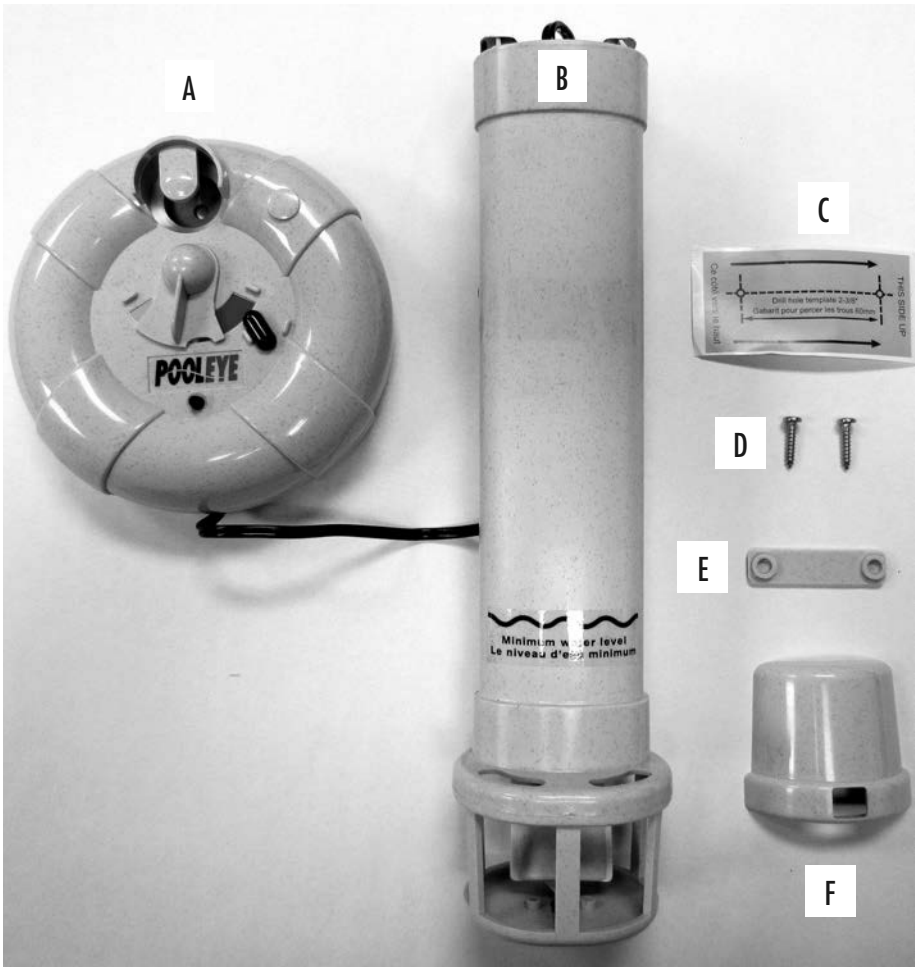
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## IMPORTANT SAFETY INFORMATION

-  **WARNING:** Read all instructions prior to installing or operating this device.
-  **WARNING:** Failure to follow the instructions may result in injury or death.
-  **WARNING:** This product does not replace the need for adult supervision of all persons in the pool area.
-  **WARNING:** This product is not a life saving device but 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.
-  **WARNING:** This product is intended for use on residential pools only, and the manufacturer assumes no responsibility for injuries or consequential property damage while this product is in use on a swimming pool.
-  **WARNING:** Proper installation and maintenance are the sole responsibility of the pool owner.
-  **WARNING:** Do not permit children to use this product unless closely supervised by an adult at all times.
-  **WARNING:** Do not operate this product unless it is submerged in water.
-  **WARNING:** Do not use this product if it is damaged in any way.
-  **WARNING:** Never leave children unattended near or in the pool.
-  **WARNING:** It is imperative to react quickly once the alarm has sounded.
-  **CAUTION:** Swimming instruction is recommended for those who cannot swim.
-  **CAUTION:** Participation in a safety instructional course such as CPR (especially for children) is recommended.
-  **CAUTION:** For children or persons that cannot swim, a Personal Floatation Device (PFD) is recommended when entering the pool area.
-  **CAUTION:** Test the alarm weekly to ensure it is working properly.
-  **CAUTION:** Do not leave toys or objects floating in an unattended pool as this may invite children to enter the pool.
-  **CAUTION:** Keep the pool water clear so all objects on the bottom of the pool are visible.
-  **IMPORTANT:** 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, such as SPQ Brands's YardGard to alert the responsible party that an unwanted intrusion to the pool area has occurred.

## LIST OF COMPONENTS

- A. Siren
- B. Sensor Tube
- C. Siren Mounting Template
- D. Siren Mounting Screws
- E. Mounting Bracket Spacer
- F. Deflector Shield



## INSTALLATION

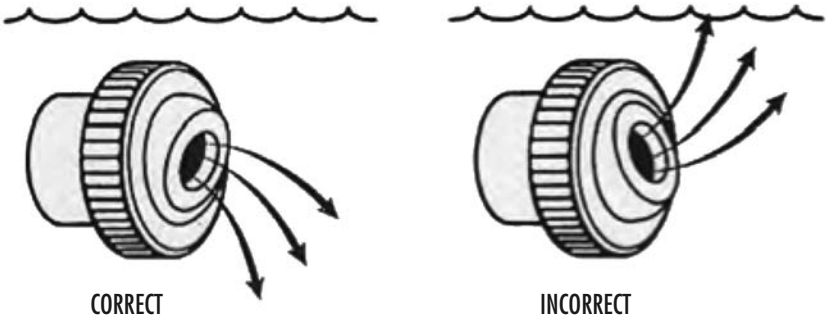
### REQUIRED TOOLS

- Phillips head screwdriver
- Battery powered drill (optional)
- 3/32 drill bit (optional)
- Double-sided tape (optional)

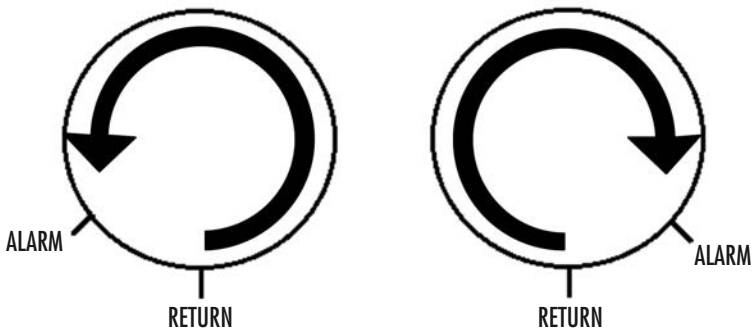
### POSITIONING OF THE ALARM

Key factors for proper alarm positioning:

- 1) Direction of the return line water flow.
  - 2) Distance of the alarm from all points of the pool.
- The eyeball of the return line must be facing a downward direction as to not disturb the surface of the water.

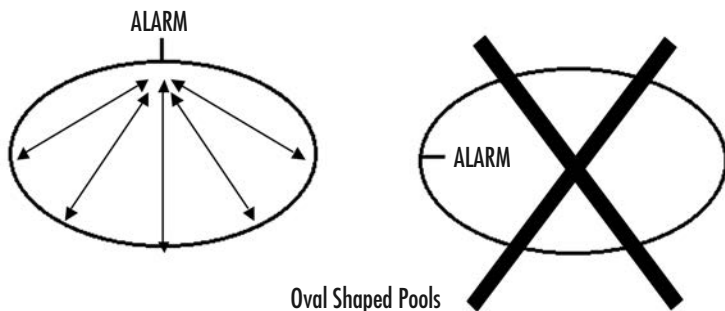


- Ensure that the eyeball of the return is not facing the center of pool but is either creating a clockwise or counterclockwise water flow.



### Round Shaped Pools

- Ensure the alarm is centrally located for the shortest distance to all points of the pool.



Oval Shaped Pools

**WARNING:** Every pool is different. The alarm must be tested immediately upon installation to ensure the positioning of the alarm fits its specific environment. Improper positioning of the alarm or return fitting may result in false alarms.

### MOUNTING THE ALARM

- 1) Locate the section of the pool where the alarm will be installed.
- 2) Remove one of the top seat caps from the identified pool section as in Figure 1.

**NOTE:** The mounting bracket can be adjusted if the top rail of the wall is wider than the defaulted setting. Remove the support screws to make this adjustment as shown in Figures 2 and 2A.

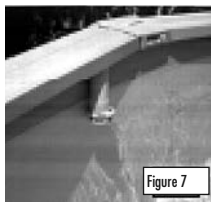
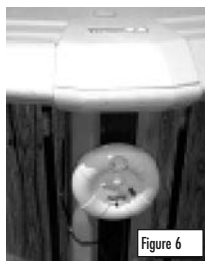
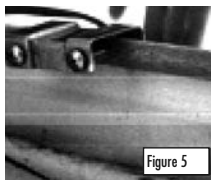
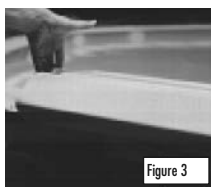
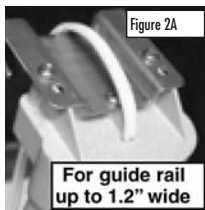
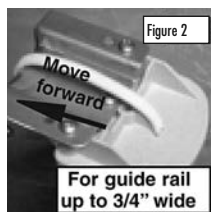
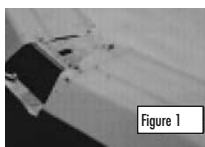
- 3) Remove the screws from the top seat and lift that end of the top seat as in Figure 3.
- 4) Loosen the mounting bracket screws and slide the alarm onto the top rail and position it in the center of that wall section as in Figure 4.
- 5) Install the mounting bracket spacer and tighten the mounting bracket screws until the alarm is secure against the pool wall as in Figure 5.

**IMPORTANT:** The alarm must be installed in a vertical position to perform properly.

- 6) Using the siren mounting template and screws (double-sided tape can also be used), mount the siren to the outside of the nearest upright as in Figure 6 (a pilot hole may need to be drilled for the screws).

**WARNING:** Do not drill into the pool wall. The siren is to be mounted to the outside of the pool's upright support.

- 7) Position the wire leading to the alarm siren in the channel provided in mounting bracket, and reinstall the top seat and cap as in Figure 7.



## OPERATING THE ALARM

- 1) Install 4 AA batteries into the siren of the alarm as in Figure 8.
- 2) Turn the grey switch to the right until it clicks into position. The green label will appear and the siren will beep once as in Figure 9.
- 3) Press the black button on the front of the siren to test the alarm as in Figure 10.

### The Alarm is now Activated

- 4) To deactivate the alarm, push the locking tab to the right and turn the grey switch to the left. A red label will appear as in Figure 11.



Figure 8

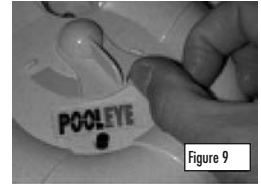


Figure 9

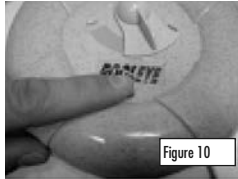


Figure 10

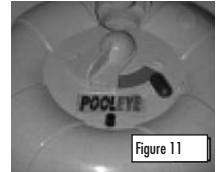


Figure 11

## TESTING THE ALARM

**IMPORTANT:** Press the TEST button on the front of the alarm siren everytime the alarm is turned to the ON position to ensure the batteries are operational.

**IMPORTANT:** Test the full alarm function once every week.

**IMPORTANT:** Change the batteries of the alarm at least once every swim season and immediately if siren is not sounding during testing or if siren seems to be operating at a lower volume.

- 1) Ensure the surface of the pool water is calm.
- 2) Turn the alarm to the ON position (green label).
- 3) Fill a 5 gallon bucket 1/3 of the way with water.
- 4) Drop the bucket into the pool from a height of 6 inches as in Figure 12.

**NOTE:** The wave created from the bucket will travel at 4ft per second to reach the alarm.

- 5) Once the alarm sounds, turn the siren to the OFF position (red label) and wait for the water to settle.
- 6) Repeat the test from various points of the pool to ensure the alarm is operating correctly.

**IMPORTANT:** If the siren does not sound when the wave created by the bucket reaches the alarm, please see the troubleshooting guide for assistance. If the siren sounds prior to dropping the bucket into the water, please refer to following section entitled ADJUSTING THE ALARM SENSITIVITY.



Figure 12

## ADJUSTING THE ALARM SENSITIVITY

### ADJUSTMENT SWITCH

NOTE: Alarm is factory-set to the highest sensitivity level.

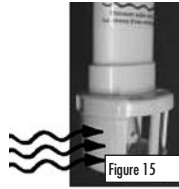
- 1) Loosen the screws on the bottom of the sensor tube as in Figure 13.
- 2) Slide the adjustment switch from the high sensitivity position (H) to the low sensitivity position (L) as in Figure 14.
- 3) Tighten the screws on the bottom of the sensor tube to complete the adjustment.
- 4) Test the alarm to ensure it is performing properly.



### DEFLECTOR SHIELD

The deflector shield can be used to lower the sensitivity of the alarm in cases where the water flow from the return is setting off the alarm.

- 1) Snap the shield onto the sensor cage facing the direction of water flow as in Figure 15.
- 2) Retest the alarm to ensure it is performing properly.



## WINTERIZATION

It is recommended to remove the alarm from the pool when the water temperature can fall below the freezing point.

- 1) Remove one of the top seat caps from the pool section of where the alarm is installed.
- 2) Remove the screws from the top seat and lift that end of the top seat.
- 3) Loosen the mounting bracket screws and slide the alarm off the top rail of the pool wall.
- 4) Remove the siren from the upright of the pool.
- 5) Reinstall the top seat and cap.
- 6) Store the alarm and its components in a location that will remain above the freezing point.

## TROUBLESHOOTING

SYMPTOM	REASON	SOLUTION
Alarm not sounding	Low battery	Install new batteries
	Alarm not activated	Ensure the main switch is turned to the ON position
	Sensitivity is set on L or Low	Ensure the sensitivity is set to H or High
	Water level too high	Lower water level closer to minimum water level requirement (Fig 16)
	Sensor shield blocking wave	Remove sensor shield from sensor cage
Alarm constantly sounding	Water level low	Raise water level to minimum water level requirement (Fig 16)
	Sensitivity set on H or High	Adjust the sensitivity to L or Low
	Return water flow setting off alarm	Adjust the return eyeball to face down and away from the alarm

## SIX MONTH LIMITED WARRANTY

Six month limited warranty from date of original purchase for manufacturing defects under normal and reasonable use, and subject to the maintenance requirements and installation guidelines set forth in the product instruction manual.

Warranty valid only within the continental US.

**THIS WARRANTY IS SUBJECT TO THE TERMS, LIMITATIONS AND EXCLUSIONS DESCRIBED BELOW, AND THERE ARE NO OTHER WARRANTIES OR REPRESENTATIONS, EITHER EXPRESS OR IMPLIED, WHETHER OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR OTHER, MADE BY THE MANUFACTURER, OTHER THAN THOSE SPECIFICALLY SET FORTH IN THIS WRITTEN WARRANTY**

**What is Covered:** SPQ Brands warrants its electronic product to be free from defects in material and workmanship when leaving the factory.

**What is not Covered:** Any type of damage to the product due to improper installation, maintenance, or failure to provide necessary and reasonable maintenance; any damage or injury caused by misuse and/or unreasonable use of the product; batteries (if applicable); damage due to or related to improper draining, winterizing, storage or Acts of God; SPQ Brands will not honor any claims for damage to any products in transit unless damage to the shipping container is noted at the time of delivery on the transfer company's delivery bill.

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NO PERSON, FIRM, OR CORPORATION IS AUTHORIZED TO MAKE REPRESENTATIONS OR INCUR ANY OBLIGATIONS IN THE NAME OF OR ON BEHALF OF SPQ BRANDS EXCEPT AS STATED HEREIN. THE REMEDIES SET FORTH IN THIS WARRANTY ARE EXPRESSLY UNDERSTOOD TO BE THE EXCLUSIVE REMEDIES AVAILABLE TO THE OWNER, AND THIS WARRANTY CONTAINS THE FULL AND COMPLETE AGREEMENT BETWEEN SPQ BRANDS AND THE OWNER. THIS WARRANTY SETS FORTH THE ONLY OBLIGATIONS OF SPQ BRANDS, WITH REGARD TO THIS PRODUCT, AND THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF.

The representations set forth herein are the only representations made by SPQ Brands, with respect to the product, and this warranty does not constitute either a performance or satisfaction guarantee. It is the responsibility of the product owner to regularly test and check the product for proper function and safety.

This warranty gives the original owner specific legal rights. You may have other rights depending on where you live.

**What you must do to file a claim:** Contact Technical Support at 609-212-0221, M-F, 9am-5pm EST.