

POOLEYE®

SWIMMING POOL ALARM SYSTEMS

MODEL NO. PE20 OWNER'S MANUAL





















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

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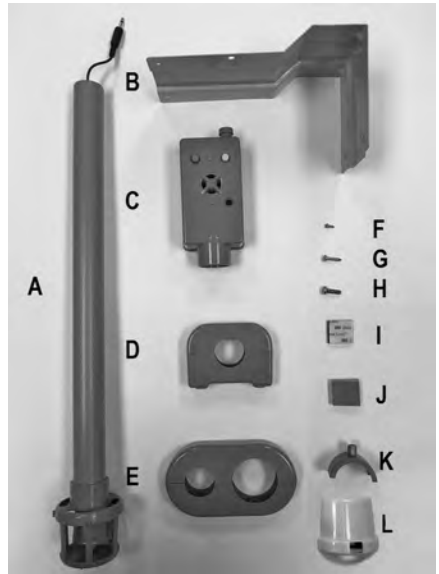
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IMPORTANT SAFETY INFORMATION

-  **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

ITEM	DESCRIPTION	QTY
A	Alarm Body	1
B	Mounting Plate	1
C	Siren	1
D	Plate Bracket	2
E	Ladder Mount Clamp	2
F	Plate Shim Screw	2
G	Self Tapping Screw (Ladder Mount)	6
H	Machine Threaded Screw (Deck Mount)	4
I	Adhesive Pad (sets)	4
J	Plate Shim	2
K	Ladder Shim	4
L	Deflector Shield	1



INSTALLATION

REQUIRED TOOLS/MATERIALS

- Phillips Head Screwdriver (#2)
- Concrete Sealant/Paint (optional)
- (1) 9 VDC Battery
- Wood Deck Screws (optional)

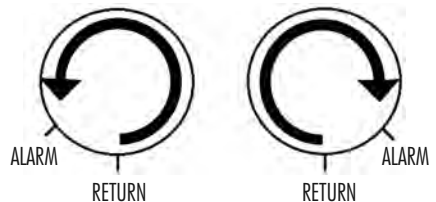
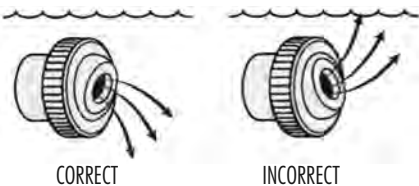
POSITIONING OF THE ALARM

IMPORTANT: Larger pool sizes and/or pool shapes may require the use of more than one alarm. Testing the alarm from all areas of the pool is essential to ensure the alarm will activate regardless of the entry point.

Key factors for proper alarm positioning:

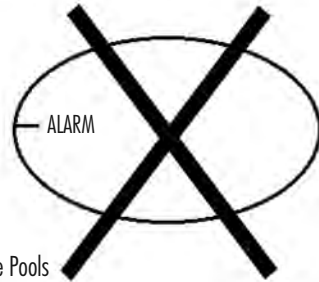
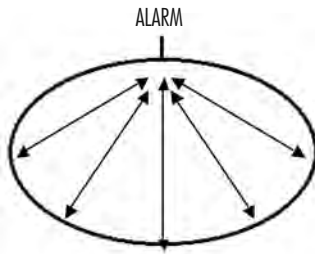
- 1) Direction of the return line water flow.
- 2) Distance of the alarm from all points of the pool.

- The eyeball of the return line must be facing a downward direction as to not disturb the surface of the water.



Round Shaped Pools

- Ensure that the eyeball of the return is not facing the center of pool but is either creating a clockwise or counterclockwise water flow.
- Ensure the alarm is centrally located for the shortest distance to all points of the pool.

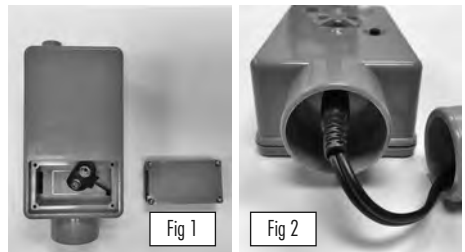


Oval or Rectangle Pools

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.

ALARM ASSEMBLY

1. Remove the 4 screws of the battery casing on the alarm siren (Fig 1).
2. Install a new 9Vdc battery and reinstall battery casing.
3. Plug the Alarm Body into the Alarm Siren by connecting the cable (Fig 2).
4. Coil the wire inside the Alarm Body and then fit the Alarm Siren onto the Alarm Body, pressing gently into place.
5. Press and release the black Test button on the front of the alarm to ensure the siren is sounding (Fig 3).



WARNING: If siren does not sound, check that the Alarm Body connection from Step 3 is secure and retest. If issue persists, please see the warranty section of the manual for Technical Support contact information.

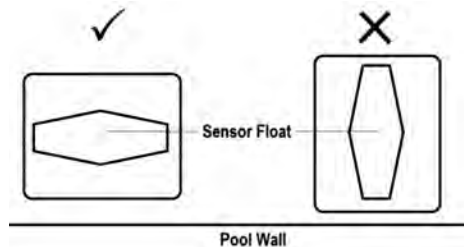
MOUNTING THE ALARM

IMPORTANT: There are two options for mounting the alarm to the pool. Choose the best option for the specific design of the pool to ensure full protection of the pool.

IMPORTANT: The alarm must be installed vertically, so that the Float is directly aligned with the Alarm Body/must run parallel with the pool wall.

IMPORTANT: When installing the alarm, ensure the Sensor Float is parallel with the pool wall prior to tightening the clamps.

IMPORTANT: Ensure the sensor is at the minimum depth requirement as indicated on the alarm body prior to tightening the clamps.



LADDER MOUNT

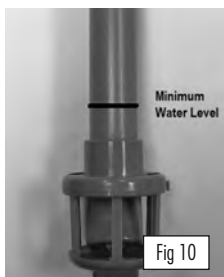
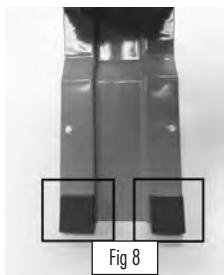
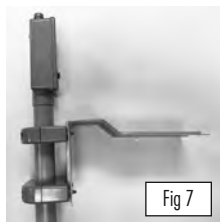
1. Using the "W" shaped Ladder Mount Clamps, place (1) clamp around the alarm and the top, vertical portion of ladder, ensuring a tight fit around the ladder. If the clamp is loose around the ladder, insert a set of Ladder Shims to tighten the fit around the ladder (Fig 4 & 5).
2. Use the self tapping screws and loosely secure the clamp to the ladder and alarm.
3. Maneuver the Alarm Body to ensure the sensor depth and Sensor Float are correctly positioned as indicated on the Alarm Body (Fig 10).
4. Install the second clamp further down the ladder to support the alarm.



IMPORTANT: Check Sensor Float positioning, sensor depth and ensure the Alarm Body is parallel with the pool wall (vertical).

DECK MOUNT (CONCRETE)

1. Identify the location of the where the alarm will be installed.
2. Using a water-proof paint/concrete sealer, paint the area where the alarm will be installed that is 1" wider and longer than the metal Mounting Plate (Fig 6).
3. Loosely attach the Alarm Body to the Mounting Plate using the machine-threaded screws and the "U" shaped Plate Brackets (Fig 7).
4. After the area dries, place the alarm in the installation area and confirm that the Alarm Body is parallel with the pool wall. If the Mounting Plate needs to be leveled, use the (2) Plate Shims to level the Mounting Plate by securing to the back of the plate with small screws provided (Fig 8).
5. Attach the adhesive pads to the corners of the Mounting Plate (Fig 9).
6. Center the Mounting Plate in the installation area and press the plate down firmly to secure it to the deck.
7. Maneuver the Alarm Body to ensure the sensor depth and Sensor Float are correctly positioned as indicated on the Alarm Body (Fig 10).
8. Tighten the screws to the Mounting Plate to secure the Alarm Body.



IMPORTANT: Check Sensor Float positioning, sensor depth and ensure the Alarm Body is parallel with the pool wall (vertical).

DECK MOUNT (WOOD DECKING)

1. Identify the location of where the alarm will be installed.
2. Loosely attach the Alarm Body to the Mounting Plate using the machine-threaded screws and the "U" shaped Plate Brackets (Fig 7).
3. Place the alarm in the installation area and confirm that the Alarm Body is parallel with the pool wall. If the Mounting Plate needs to be leveled, use the (2) Plate Shims to level the Mounting Plate by securing to the back of the plate with small screws provided (Fig 8).
4. Use deck screws (not included) to fasten the bracket securely to the deck.
5. Maneuver the Alarm Body to ensure the sensor depth and Sensor Float are correctly positioned as indicated on the Alarm Body (Fig 10).
6. Tighten the screws to the Mounting Plate to secure the Alarm Body.

IMPORTANT: Check Sensor Float positioning, sensor depth and ensure the Alarm Body is parallel with the pool wall (vertical).

OPERATING THE ALARM

- To turn the alarm ON, press and release the green button. A beep will be heard (Fig 11).
- To turn the alarm OFF, press and hold both the green and yellow buttons until the siren beeps 3 times (Fig 12).

WARNING: The alarm will not alert you if someone enters the pool while in the OFF position.

- To RESET the alarm after the siren has alerted to water entry, press and release the yellow RESET button (Fig 13).

NOTE: The alarm may continue to sound after the RESET button has been pressed if the water has not settled.



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.
- 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 (Fig 14).

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

- 5) Once the alarm sounds, turn the alarm OFF and wait for the water to settle before turning the alarm back to the ON position.
- 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.**



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 (Fig 15).
- 2) Slide the adjustment switch from the high sensitivity position (H) to the low sensitivity position (L) (Fig 16).
- 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 (Fig 17).
- 2) Retest the alarm to ensure it is performing properly.



WINTERIZATION

1. Remove the alarm from the pool.
2. Dry the alarm thoroughly.
3. Remove the battery.
4. Store in a dry location that is 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
	Connection not secure	Ensure the connection between the siren and alarm body is secure
	Sensitivity is set on L or Low	Ensure the sensitivity is set to H or High
	Sensor shield blocking wave	Remove sensor shield from sensor cage
	Alarm too deep	Raise the floating sensor closer to the surface of the water
Alarm Constantly Sounding	Alarm too shallow	Lower the floating sensor further into the water
	Sensitivity is set on H or High	Adjust the sensitivity to L or Low
	Connection lost after alarm turned ON	Ensure the connection between the siren and alarm body is secure
	Return water flow setting off alarm	Adjust the return eyeball to face down or 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 and Canada.

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.

THE WARRANTY OBLIGATIONS OF SPQ BRANDS ARE LIMITED TO REPAIR OR REPLACEMENT OF THE PRODUCT OR OF ANY DEFECTIVE COMPONENT, AT THE OPTION OF SPQ BRANDS. UNDER NO CIRCUMSTANCES WILL SPQ BRANDS BE LIABLE OR RESPONSIBLE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES, AND/OR CHARGES FOR LABOR. SPQ BRANDS SHALL NOT BE LIABLE OR RESPONSIBLE UNDER ANY CIRCUMSTANCES OR ANY AMOUNT FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES, OR FOR ANY INJURIES OR DAMAGES TO PERSON OR PROPERTY USING OR USED IN CONNECTION WITH THE PRODUCT, OR FOR ANY OTHER LOSS OF PROFITS OR OTHER COSTS OR EXPENSES OF ANY KIND OR CHARACTER. IF SPQ BRANDS DETERMINES THAT EITHER REPAIR OR REPLACEMENT OF THE PRODUCT IS NECESSARY, SPQ BRANDS MAY EITHER REPAIR THE PRODUCT AT A NOMINAL CHARGE TO THE OWNER OR REPLACE THE PRODUCT. THE OWNER BEARS THE SOLE RESPONSIBILITY FOR PRE-PAID RETURN OF THE PRODUCT TO SPQ BRANDS, AND ALL REPAIRED OR REPLACED PRODUCTS WILL BE RETURNED AT THE OWNER'S EXPENSE.

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.