

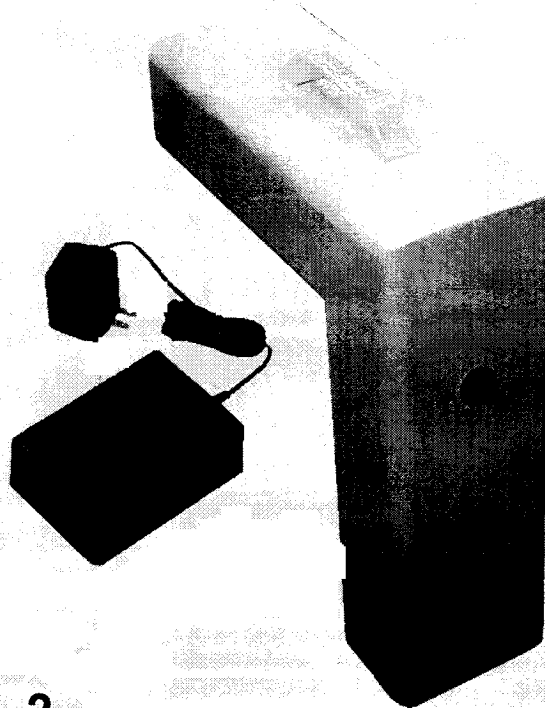


IMPORTANT

OPERATING INSTRUCTIONS MANUAL

HELPFUL HINTS & TIPS

MEETS ASTM SAFETY STANDARDS FOR POOL ALARMS



MODEL PGRM - 2

This product has been designed to aid in the detection of unwanted intrusions into unsupervised pools. POOLGUARD IS A SAFETY ALARM SYSTEM AND NOT A LIFE SAVING DEVICE. "This device is not intended to replace any other safety consideration - i.e., adult supervision, lifeguards, fences, gates, pool covers, locks, etc., and some devices may not detect gradual entry."

GENERAL

POOLGUARD is the result of quality design and manufacturing techniques that are a standard at PBM Industries, Inc.; a company dedicated to high quality products. POOLGUARD is a result of that dedication and we guarantee and stand behind the POOLGUARD alarm system. Meets ASTM SAFETY STANDARDS.

POOLGUARD is an electronic monitoring system that automatically sounds an alarm when children or pets fall into your unsupervised pool. POOLGUARD is a portable, self-contained, lightweight unit that is safe and simple to operate. Simply place POOLGUARD on the deck of the pool and activate it. Entry into the pool will be detected by the unit's electronic sensor, triggering a loud pulsating alarm and an internal RF transmitter. A remote receiver unit will receive the transmitted signal which sounds an alarm within the home.

INSPECTION

POOLGUARD is packaged in a shipping carton that minimizes the chance of damage due to handling. Check for damage and confirm that the contents of the carton include the following items:

- POOLGUARD Unit
- HANDLE
- One Key With **RED-OFF INDICATOR POST**
- Remote Receiver and Power Supply
- Operating Instruction Manual
- Warranty and Registration Card

If an item is missing, contact either the place of purchase or PBM Industries, Inc. for replacement.

CARE AND HANDLING

POOLGUARD is constructed from sturdy plastic to withstand the adverse moisture environment of a swimming pool. **Care needs to be taken when handling to ensure against being dropped, kicked, etc. Also, be sure to remove the unit and set it away from activity when the pool is being used.**

If the alarm accidentally falls into your pool, remove it immediately and drain the water from it. Take the unit apart as indicated in the Battery Replacement Procedure and remove the battery. Tip and shake unit and remove all excess water from inside the unit and the battery, and the circuit board area with a paper towel or cloth. Completely test unit before each use as described in manual to ensure proper operation. **(Remember to always remove the unit from the pool while swimming and set it aside away from pool activity.)**

ATTACHING HANDLE

The two handle screws are located in the top of the alarm, remove them and attach the handle, (See Figure 1)

POOLGUARD DECK MOUNTS

To help prevent your alarm from accidentally falling into your pool please use the deck mounts to secure your alarm.

Remember: you must remove your alarm before swimming.

INSTALLATION OF POOLGUARD DECK MOUNT

One of the the deck mounts is factory installed on the pool alarm, above the screw.

1. Before installing your deck mount, make sure that your pool deck is clean and dry.
2. Attach one of the mounts to your pool deck so it will align with the mount on the pool alarm.
3. The extra mounts are included for future use.

BATTERY INSTALLATION/REPLACEMENT

(Battery not included)

POOLGUARD is powered by a standard 9 -volt (Cont. on next page)

BATTERY INSTALLATION/REPLACEMENT

(Continued)

alkaline battery. To install or replace battery:

- Place ON/OFF Control Key in unit to turn it off.
- When you see the **RED OFF INDICATOR**, (figure 1) in the pool alarm, the alarm is in the **OFF POSITION**.
- Remove the screw from the bottom of unit, refer to Figure 1.
- Carefully slide out electronics assembly; do not pull or jerk on internal hookup cable. (If necessary, gently shake unit to remove assembly.)
- Remove old battery and check for leakage or corrosion. (Remove any leakage or corrosion if present before installing new battery.)
- Install new battery by attaching snap connection and sliding into battery holder.
- Slide electronics assembly into unit; do not pinch internal hookup cable.
- Replace the screw.

To prevent possible damage, battery should be removed whenever storing the alarm. Poolguard has a low battery feature. The POOL ALARM, (figure 1) will chirp about every 20 seconds to alert you that the battery is low and needs to be replaced.

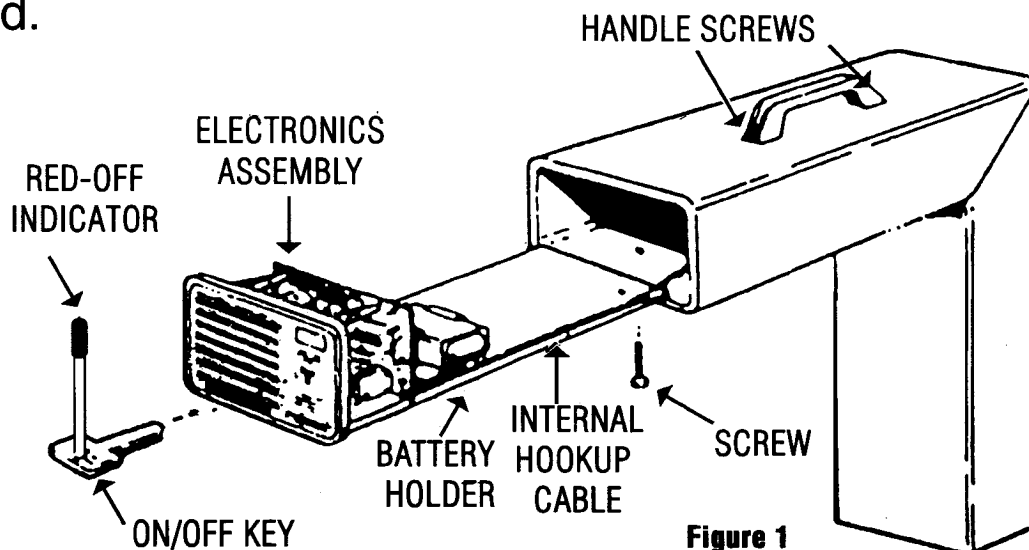


Figure 1

PLACEMENT IN YOUR POOL

Figure 2 illustrates locations best suited for detecting intrusions from any area of the pool. If your pool is larger than 800 square feet or if you have any concerns about the size or an irregular shaped pool, please call customer service for assistance: 1-800-242-7163.

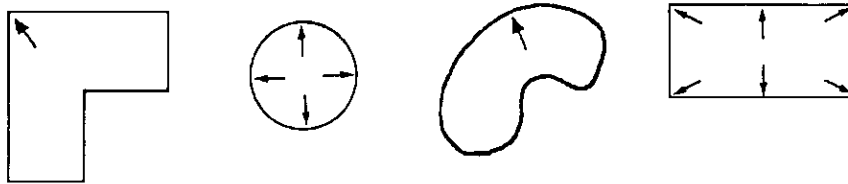


FIGURE 2

Pools 800 Square Feet and Smaller

POOLGUARD automatically compensates for variations in pool levels within the unit's operating range. The unit utilizes a sensing throat which projects in to the water and is designed to operate in most pools with in-wall skimmers. The sensing throat needs to be at least 2 inches, (See Figure 3), and not more than 7 inches into the water. POOLGUARD can be used with SOLAR BLANKETS on the pool. POOLGUARD can also be used in spas.

**SENSING THROAT
MUST BE AT LEAST 2" IN THE WATER**

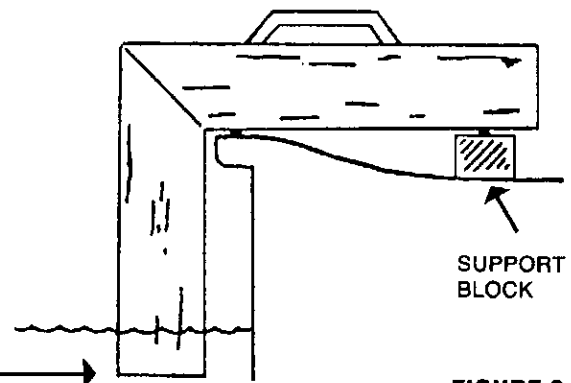


FIGURE 3

IMPORTANT

POOLGUARD may not function properly if your pool's water level is not maintained within the required levels of your alarm. Also, the unit may not operate effectively while certain types of automatic pool cleaners are in operation.

Some irregular shaped decks may not provide a level foundation for the unit by the pool's edge. This minor problem can be overcome by appropriately supporting the unit (See Figure 3).

TEST BEFORE USING

POOLGUARD has a self test feature built into the unit. To ensure effectiveness, test POOLGUARD BEFORE YOU PLACE IT INTO THE POOL by performing the following simple procedure.

- Remove ON/OFF key - the alarm should sound loud and sharp. If the alarm is weak or irregular, the battery may require replacement. Place the unit in the pool resting it on a solid foundation at the edge of the pool.

- Place ON/OFF Control Key into unit and the alarm should stop.
- Wait approximately 5 seconds, remove the key, alarm should not sound. Unit is now armed and operating.
- POOLGUARD includes a timer function which automatically resets the unit after the alarm has sounded for approximately 5 minutes.
- POOLGUARD will alarm when removed from the pool without the ON/OFF control key in the unit.

PLACEMENT TESTING

To ensure that the placement of the alarm provides adequate coverage in the pool, perform the following simple test:

- Place POOLGUARD at your selected location in the pool.
- Push an object of appropriate volume and weight off the deck edge furthest from the alarm. (A four (4) gallon jug of water or 3 one (1) gallon jugs of water tied together are ideal for testing.) The alarm should sound when the water action caused by the intrusion reaches the unit. It may take a few seconds for the alarm to react to the water action.
- After resetting the alarm and allowing time for the water action to settle, repeat the procedure from

(Cont. on next page)

PLACEMENT TESTING (Continued)

another point in the pool until you are confident of detection performance.

- Proper selection of a location is important.

If possible, this location should be used everytime.

ADJUSTING YOUR RETURN LINE FITTING

The POOLGUARD unit should not be placed too close to a return line from the filter area. Water turbulence may be too strong and falsely set the alarm off. It is very important in pools to adjust your eyeball fitting on your return line so it does not interfere with your pool alarm. It is not necessary to point your eyeball up for your pool to circulate properly. If the water is swirling on top of the pool this makes the pool too turbulent for your alarm to work properly. Point the eyeball down and your pool will still circulate properly and allow your alarm to function properly. **If you point the eyeball fitting up, your alarm may not function properly.** (See Figure 4)

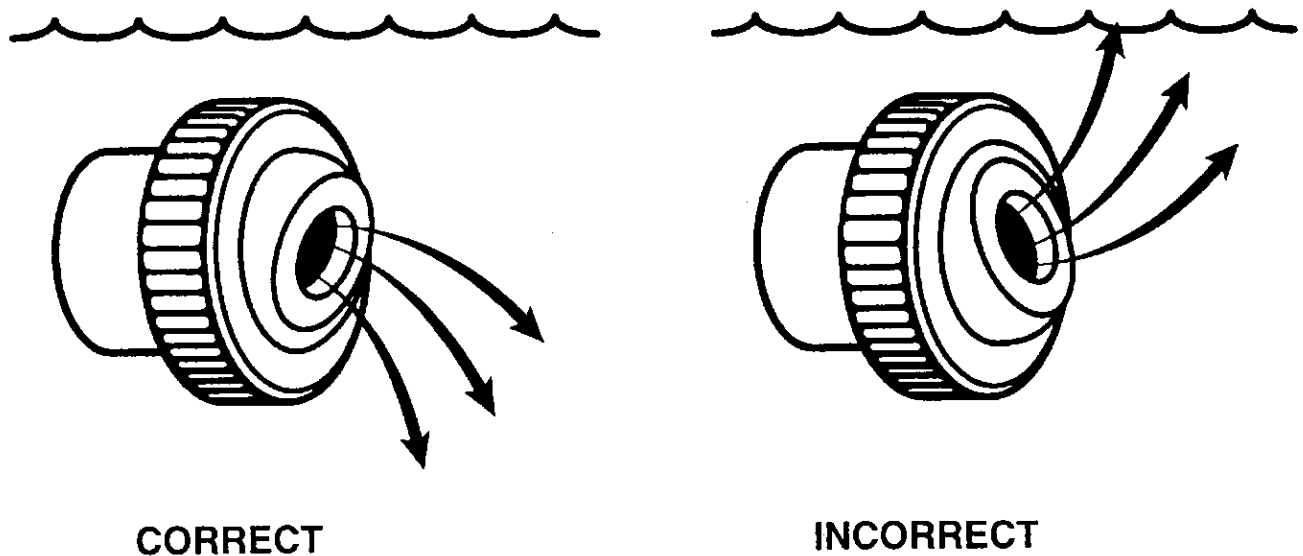


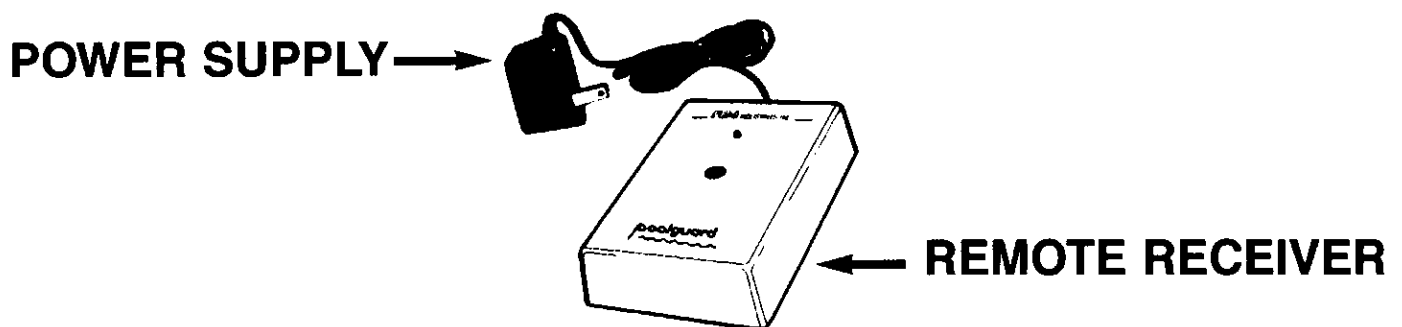
FIGURE 4

POOLGUARD REMOTE RECEIVER

The POOLGUARD REMOTE RECEIVER has been integrated with the standard POOLGUARD unit to provide a wireless remote alert operating at distances of up to 200 feet. The POOLGUARD REMOTE RECEIVER sounds an alarm in the house when the POOLGUARD unit is activated at the pool. The remote system consists of the following functional elements:

- A coded pulse receiver (Remote Receiver).
- A standard wall outlet power supply.

The REMOTE RECEIVER is a compact unit powered by a **UL** and CSA approved AC/DC power supply. The REMOTE RECEIVER can be placed on a table or a counter top inside the house. The pulse coded radio frequency signal transmitted is received and decoded to sound the internal audible alert. After you have purchased your POOLGUARD alarm and you wish to add another remote receiver to your alarm system you can acquire one from PBM Industries, Inc. Contact PBM by phone or mail or contact your place of purchase.



TO OPERATE YOUR REMOTE RECEIVER

Try to locate your REMOTE RECEIVER in a convenient part of your house close to the pool. Avoid steel walls or any other large metal objects or obstructions that might interfere with the signal reception. The REMOTE RECEIVER has to be placed on the same level or a level above the pool in the house (do not place receiver in an underground basement). The ideal location for your REMOTE RECEIVER would be by a window overlooking your pool. Test your REMOTE RECEIVER in different locations in your house to find the best working place for your receiver. Connect your 120V power supply to any 120V, electrical outlet and insert the jack into the receiver. Check that indicator light is on. Your REMOTE RECEIVER unit is now ready to receive a transmission from your POOLGUARD unit. **DO NOT USE YOUR RECEIVER OUTDOORS.**

CAUTION: Changes or modifications not expressly authorized by PBM Industries may void the users authority to operate this equipment.

SWIMMING POOL SAFETY TIPS

- Supervise children at all times.
- Never permit swimming alone. Never leave a child alone, even to answer the telephone.
- Always remove the entire solar cover from a pool before swimming.
- Remember that alcohol and water safety do not mix.
- Have your pool area fenced and the gate locked to prevent unauthorized entry to the pool, and install a gate alarm.
- Lock and secure all doors in the house which permit easy access to the pool, and install a door alarm.
- Have a responsible adult teach swimming and water safety to your children.
- Maintain clean, clear water in the pool.
- Do not swim during electrical storms.
- Do not permit bottles, glass, or sharp objects to be used around the pool.
- Ask your pool dealer how you can improve your pool safety—they will be glad to assist you.
- Above all: remember that common sense, awareness, and caution will allow you to enjoy your pool.

WARRANTY AND REPAIRS

POOLGUARD is sold with a limited warranty to cover defects in parts and workmanship for three years from date of purchase (retain proof of purchase).

If POOLGUARD exhibits a defect, please call Customer Service at 1-800-242-7163. (Unauthorized returns will not be accepted.) Proper repair is only ensured when the unit is returned to the manufacturer.

SEND CORRESPONDENCE TO:

PBM INDUSTRIES, INC.
P.O.Box 658, NORTH VERNON, IN 47265
812-346-2648

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poolguard
a product of:
PBM INDUSTRIES.