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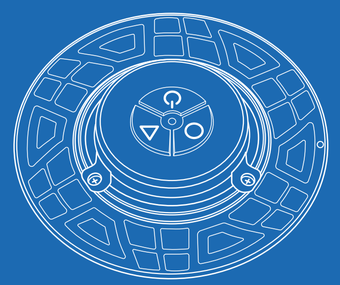
POOL ALARM

USER MANUAL

BS-PA-01



Thank you for purchasing this Pool Alarm.
Please read this manual carefully before using the product and keep it for future reference.

This Pool Alarm system is designed to detect significant water surface disturbances in your swimming pool and trigger an audible alarm. The system includes a floating pool alarm transmitter (device) and an indoor receiver to alert you when unusual water movement occurs.

With a built-in accelerometer, 6-axis gyroscope, dynamic water ripple attitude algorithm, and capacitive non-contact sensor, the device achieves accurate water ripple detection, reduces false alarms, while delivering ultra-low power consumption and an ultra-long standby time of up to 200 days.

1. Quick Installation Guide

1.1 Battery Installation

Use the included screwdriver to remove the three screws on the top cover. Insert four AA batteries into the battery compartment. Replace the cover and tighten the screws securely.

1.2Installing the Safety Rope

Attach one end of the included rope to the rope hole on the alarm device. The other end can be secured depending on your pool environment:

- Use the suction cup if the pool wall is smooth.
- If the wall is not smooth but there is a ferrous metal objects nearby, use the magnet.
- If neither is available, tie the rope securely to a fixed structure near the pool.

1.3 Installing the Indoor Receiver

Plug the indoor receiver into a power outlet. After hearing a "beep", the receiver is operating normally. No additional setup is required after powering on.

1.4 Turning On the Pool Alarm (Device)

Press and hold the power button for ◎ 2 seconds to turn on the device. When you hear a "beep", the indicator light will start flashing.

Place the device into the pool. When the device detects water, it will make a "beep-beep" sound. After approximately 10 seconds, once the device stabilizes on the water surface, you will hear a "beep", indicating it has entered working mode.

Note: Devices are already paired at the factory.
Re-pair only if signals cannot be received.

2. The Receiver Setup

2.1 Power Supply:

Plug into an AC 85~220V outlet.
The receiver will automatically enter receiving mode.
The red indicator light flashes once every 8 seconds.

2.2 Pairing:

Press and hold the pairing button for 2 seconds. The red indicator light turns on to indicate pairing mode. When a pairing signal is received, the indicator light turns off automatically.

Short press the mute button on the receiver to cancel pairing (two beeps). The indicator light turns off.

The receiver can pair with up to 3 devices. If a fourth device is paired, the earliest paired device will be overwritten in sequence.

2.3 Alarm Mode Adjustment:

Short press the alarm mode button to cycle through 3 alarm modes. The setting is saved automatically.

Alarm intervals:

- Sound & light alarm every 0.1 seconds
- Sound & light alarm every 0.5 seconds
- Sound & light alarm every 1.5 seconds

2.4 Mute:

Press the mute button during an alarm to stop sound and light alerts.

2.5 Usage Notes:

If the receiver will not be used for a long time, unplug it from the power outlet.

2.6 Electrical Specifications:

Operating Voltage: AC 85~250V
Operating Current: 5 mA

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3. The Device Setup

3.1Alarm Cancel (Mute) Operation

When an alarm is triggered, both the indoor receiver and the device will sound.

Press the mute button ◎ on the device to stop the signal transmission. The indoor receiver alarm will stop at the same time.

Pressing other buttons on the device will NOT stop the indoor alarm (to prevent accidental cancellation).

3.2 Battery Level Indicator:

When pressing the power button ◎ :

- Green light on for 2 seconds: Battery voltage is normal.
- Red light on for 2 seconds: Battery voltage is low.
- Red light flashes 3 times then shuts down automatically: Battery voltage is too low to operate. Replace the batteries immediately.

3.3 Sensitivity Adjustment:

Default setting: High sensitivity (factory default). Suitable for most situations.

If the pool is small (for example 5m × 5m) or if there is light wind that could cause false alarms, the sensitivity can be lowered.

Short press the sensitivity button △ :

- One beep + green light: High sensitivity (small ripples can trigger the alarm).
- Two beeps + red light: Low sensitivity (larger ripples required to trigger).

3.4 Pairing Instructions

If your device or receiver is lost or damaged and you purchase a new one, pairing is required.

3.4.1 Receiver Pairing:

Press and hold the pairing button for 2 seconds. The red indicator light will turn on, indicating pairing mode.

3.4.2 Device Pairing:

Press and hold the mute button ◎ on the device for 2 seconds. The device will beep and send a pairing signal.

If the receiver indicator light turns off after receiving the signal, pairing is successful.

Note: Devices are already paired at the factory.
Re-pair only if signals cannot be received.

Multiple Devices:

- One indoor receiver can connect with up to 3 pool alarms (devices).
- If your pool is large, you can install multiple alarms.
- One device can pair with up to 256 receivers (for large homes).

3.4.3 Mute Function:

3.4.3.1 When in alarm state, short press the mute button. The device stops sounding, the indicator light turns off, and the receiver also stops alarming.
3.4.3.2 If you short press the power button or sensitivity button (both on the device) during an alarm:
- The device stops sounding, the indicator light turns off
- No signal is sent to the receiver, the receiver will continue alarming

3.5 Water Detection:

When the device is placed in water, it beeps twice.
When removed from water, it also beeps twice.

3.6 Power Off:

Press and hold the power button ◎ for 2 seconds and there is a long beep indicating the device has powered off.

3.7 Product Maintenance Notes

If the device will not be used for a long time, remove the batteries to prevent leakage and damage.
If the device stays in the pool for extended periods, algae may attach to the housing. Check the appearance regularly and clean if necessary.

FCC Caution:

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

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

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception,
which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
-- Reorient or relocate the receiving antenna.
-- Increase the separation between the equipment and receiver.
-- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
-- Consult the dealer or an experienced radio/TV technician for help.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

展开尺寸 400x150mm　折后尺寸 100x150mm