

**INTERTEK TESTING SERVICES**

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**EXHIBIT 7**

**INSTRUCTION MANUAL**

## INTERTEK TESTING SERVICES

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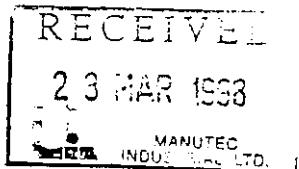
### 7.0 Instruction Manual

Attached is a preliminary copy of the Instruction Manual.

The FCC information can be found in the last page of this manual.

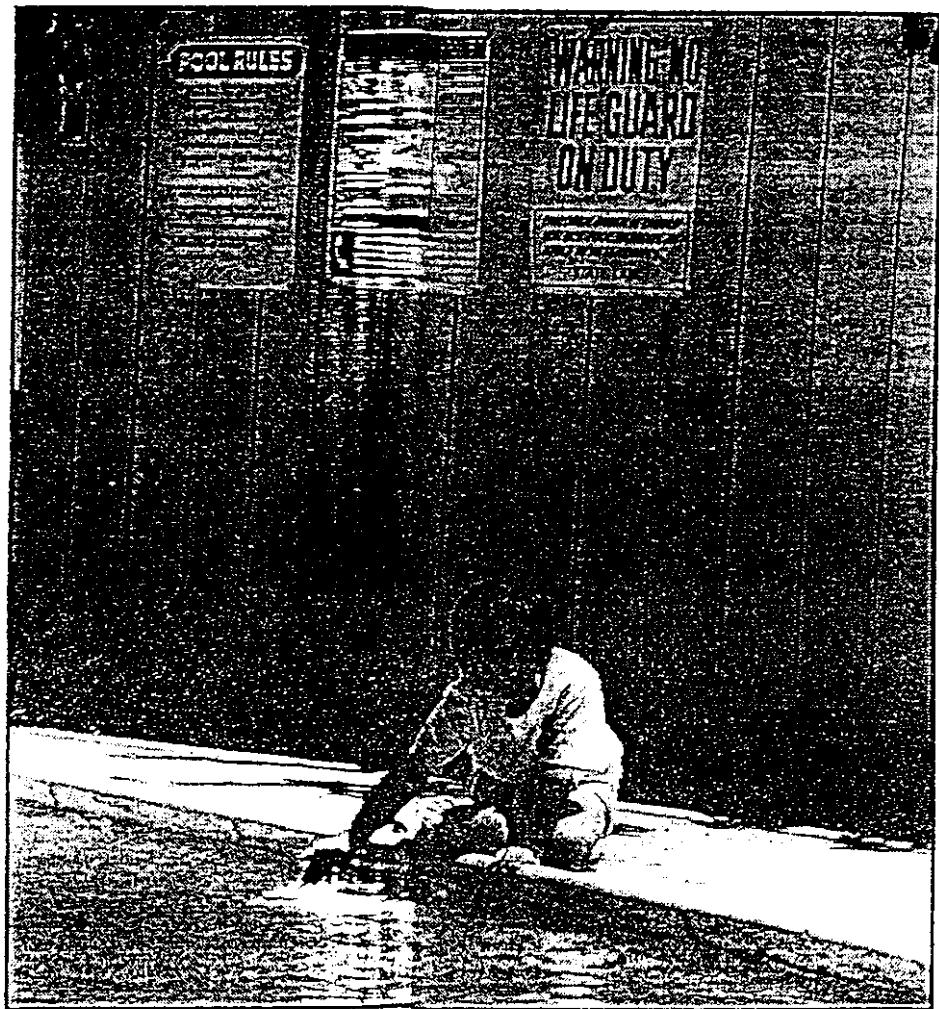
This manual will be provided to the end-user with each unit sold/leased in the United States.

Finished size:  $\frac{1}{2}$  letter



## Pool Alarm System Operation Manual

Model: PS-08, PS-09



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## Congratulations

Thank you for purchasing this Sentinel Link Pool Alarm System. This innovative Pool Alarm has been designed to improve the safety and security of residential swimming pools, and to provide a high volume alert when it detects children or pets weighing more than 15 lbs entering the pool. The pool side alarm transmitter will send a RF (radio frequency) signal to a remote receiver inside the house (PS-08 product only).



## Warranty

To the original purchaser of this product, Lambo Products Inc. warrants the product to be free from defective materials and workmanship within one year of the date of purchase or receipt. Defective product will be repaired or replaced, free of charge.

## Limitations

This warranty does not cover damage caused by accidents, misuse or failure to follow the instructions contained in this manual. The purchaser must present the original, dated bill-of-sale together with this warranty to an authorized Sentinel Link Dealer when you make a claim.

The purchaser is responsible for any costs of TRANSPORTING the product to and from an authorized Sentinel Link dealer. Products should be returned securely packaged, freight prepaid, with a written detail explanation of the problem requiring service and a copy of your bill-of-sale. Include a cheque or money order in the amount of \$10.00US for shipping and handling.

## IMPORTANT SAFEGUARDS

Please take time to read the operation manual thoroughly before using your Sentinel Link Pool Alarm. Pay particular attention on how to install the alarm properly in order to monitor the swimming pool effectively:

Your Sentinel Link Pool Alarm is designed to improve the safety of residential swimming pools. It is not intended to be used as a life-saving device. All pool safety procedures remain necessary, including parental supervision...

1. Read all instructions carefully before using this product.
2. Always turn the pool side alarm transmitter(s) ON, when you do not use the pool.
3. Do not allow the pool side alarm transmitter head to be submersed in water as it may cause permanent damage and your warranty will be VOID.
4. Do not attempt to repair the unit yourself. Please contact the Sentinel Link Authorized Dealer from whom the product was purchased, or contact us directly at:  
Lambo products, Inc.  
140-B S. Whisman Rd., Mountain View CA 94041  
Tel: 1-888-383-8228
5. Mount the pool side alarm transmitter rigidly, either to the round pool ladder using "W" shaped plastic clamp, or onto the deck by the metal bracket and "U" shaped plastic clamp (this is standard on PS-08 model, and an option on the PS-09 model).
6. You will require more than one pool side alarm transmitter for pools larger than 30 feet by 20 feet, L shaped or other free-form shaped pools. This is necessary for effective monitoring.
7. Do not drop the unit. If you find any loose parts, or anything you see that is unusual with our unit, call your Sentinel Link Dealer or Lambo Products, Inc. prior to installing the product.

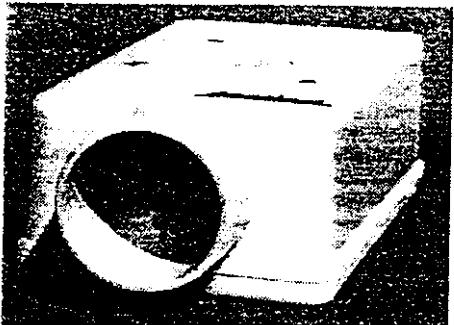
8. Freezing temperature can cause damage to the unit. Always remove the unit from the pool during the winter period. Also remove the battery from the unit and store the unit indoors during this time of year. Ensure you place a new battery in the unit when you take the unit out for the next season.
9. Never place the unit close to your ear. The alarm siren is extremely loud and can affect your hearing.
10. Turn the unit OFF during pool cleaning. Then turn the unit ON again once the pool has been cleaned.
11. Do not install the unit near the pump or return side. Heavy water flow or turbulence may cause false alarms. Lowering the unit's sensitivities will reduce the effective monitoring area, therefore you increase the risk that the alarm cannot detect small objects entering the water.
12. The SENTINEL LINK pool alarms operating principle is based on underwater wave detection. Pool covers absorb wave motion, therefore this may prevent the sensor from picking up the correct signals.
13. For large size houses or areas that have high electromagnetic wave interferences, we recommended using our RF (radio frequency) Alarm Booster (model PS-07, optional). This Alarm Booster will ensure alarm RF signal can be transmitted to the receiver inside the house.
14. Frequent alarm activation will drain the battery power. Check the battery periodically by pressing the TEST button briefly. Replace the battery when the beep sound is weak.

## English

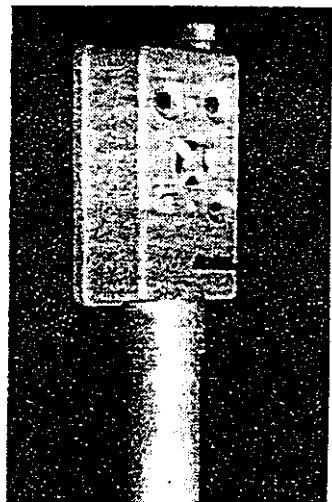
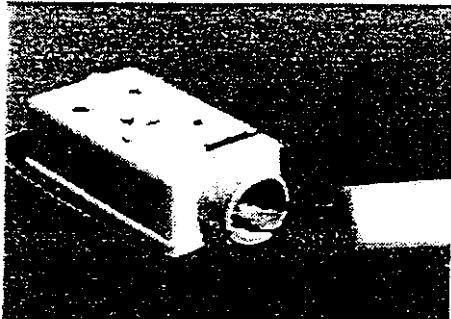
### Pool Side Alarm Transmitter Assembly

The SENTINEL LINK pool side alarm transmitter comes with a control head and a separate sensor tube. Before the unit can be used, the two pieces must be assembled together as follows:

Locate the phone jack at the bottom of the control head, and a phone plug coming out from one end of the sensor tube. Place this phone plug into the phone jack.



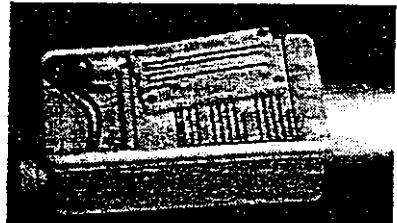
Gently push the tube into the bottom of the control head. The sensor tube end should fit snuggly with the bottom of the control head.



## Battery Installation

The pool side alarm transmitter is designed to be powered by a standard 9V alkaline battery (not included).

Remove the four screws from the battery cover and pry open the battery door.



Place a new 9V alkaline battery into the battery hatch. Connect the battery cap securely.

Close the battery cover and tighten up the four screws. Ensure that no foreign particles sit between the battery hatch and the rubber seal.

Press the TEST button located at the front on the control unit. The alarm will sound either one beep, or 5 consecutive beeps. This will depend whether the unit is turned ON or OFF. The unit should be set to OFF when the battery is first installed. If you do not hear any beep, check the sensor tube, or control head assembly, or battery cap. You may need to replace the battery with a new one.



## Low Battery Indicator

The unit has a built-in microprocessor which automatically monitors the battery level. When the battery is running low, it will sound a chirping tone approximately once every 60 seconds. Simply replace the battery with a new one when this occurs.

One 9V alkaline battery should keep the unit operating for one season, under normal temperatures and normal use.

### IMPORTANT NOTES:

Frequent alarm activation will drain the battery power. Check the battery periodically by hitting the TEST button briefly. Be sure to replace the battery when beep sound is weak. Change battery at least once a season.

## Pool Side Alarm Transmitter Mounting

### 1. Ladder Mounting

Two pairs of "W" shaped plastic clamps are provided to mount the unit onto a standard 1.9" round pool ladder. For a 1.5" diameter round ladder, use the adaptor as shown.

Clamp the unit to the pool ladder with the "W" shaped plastic clamps and the stainless steel screws. Tighten the screws, but be sure you don't strip the threads. The unit must be mounted upright and rigidly to the ladder, otherwise it will not function properly.

### 2. Deck Mounting (standard on PS-08 unit, option on PS-09 unit)

A white powder coated stainless steel bracket and two sets of "U" shaped plastic clamps are used to mount the unit along the deck of in-ground pools or top rail of above-ground pools. The metal deck can be either be bolted onto the deck by the two stainless steel screws, or by 4pos water proof grade double sided foam tape.

### 3. Double-sided Foam Tape Mounting

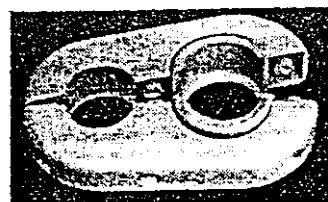
Attach four pieces of double-sided foam tape to the bottom of the metal bracket, with the two bigger ones at the end.

Decide where you want to mount the unit. If your pool has a concrete deck, we suggest you coat the deck with water-proof paint. The water-proof paint will prevent calcium migration that will attack the adhesive. Ensure the area is dry and clean before you mount the metal bracket. Press the bracket down firmly. The adhesive will develop a strong bond under pressure.

Clamp the unit onto this metal bracket by the 2 sets of "U" shaped plastic clamps. Tighten the screws, but do not strip the threads.

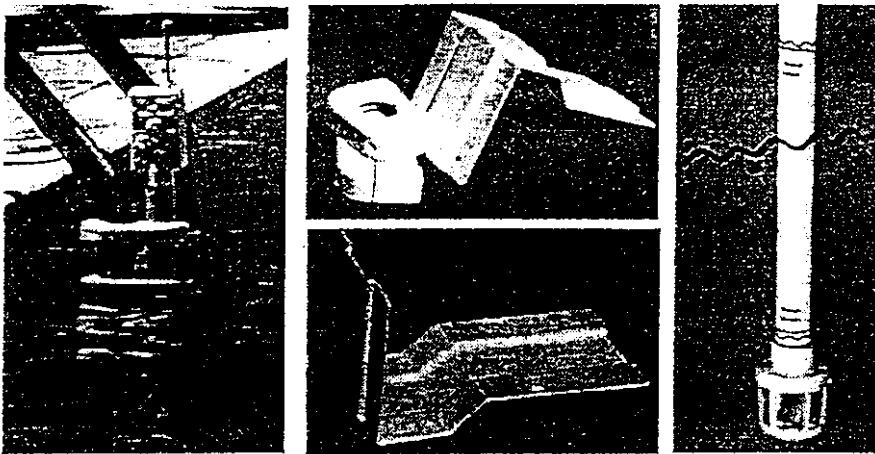


W shaped clamp for 1.9" ladder



W shaped clamp with adapter for 1.5" ladder

English



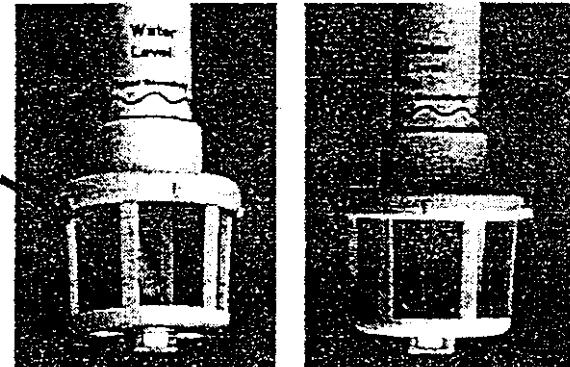
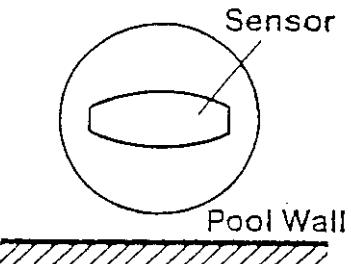
**IMPORTANT NOTES:**

The unit must be mounted upright and rigidly.

Place the unit such that the wide side of the moving sensor is parallel to the side of swimming pool wall.

Mount the unit so that the water level is BETWEEN the "higher sensitivity" level and the "lower sensitivity" level. If the sensor is mounted too close to the water surface, it may cause false alarms due to high winds or rain drops. If the unit is mounted too deep in the water, it will weaken the pick up signals.

Check the sensor in the water. The sensor is buoyant and should stay upright. If the sensor lies on its side, please contact your Sentinel Pool Dealer. The sensor must remain in an upright position while it is in the water.



## English

### Turn the unit ON:

Hit the green ON button briefly. The unit will sound one short beep. The alarm siren will sound when the sensor picks up any water wave motion. Therefore you should wait a few minutes for the water wave to settle down before turning on the unit.

If the alarm goes off immediately after you hit this green ON button, recheck the mounting of the alarm unit. If the sensor cage is very close to the water surface, it may also pick up surface wave motion created by wind blow. Hit the green ON button to activate the unit, or adjust the sensitivity (refer to Sensitivity Adjust section below).



## Sensitivity Adjust

### 1. Depth of immersion

The patented design sensor can pick up underwater wave motion caused by an object falling into water. The sensitivity of this sensor is dependent on the depth of immersion. The unit will be more sensitive if it is placed closer to the water surface.

#### IMPORTANT NOTES:

To decrease sensitivity, place the unit deeper into the water. Again, the unit will become more sensitive if the sensor is placed closer to the water surface.

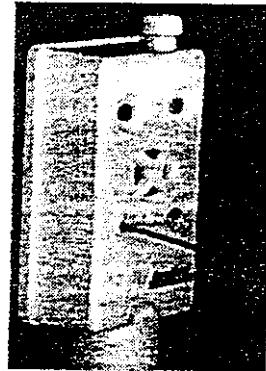
Check the water level regularly. Heavy rainfall, severe weather conditions, or after water is added to the pool may change the pool water level. Water level must NOT exceed the "lower sensitivity" level marked on the sensor tube.

Test the unit at least once a month.

### 2. Sensitivity adjust switch

To access the sensitivity adjust switch, pry open the switch cover.

Use a small straight screw driver to turn the switch. There are five steps of adjustment, as per graduation marked on the unit. Turn the switch until the arrow head points to one of the five graduations. The alarm will be most sensitive at "MAX" setting and vice versa.



#### IMPORTANT NOTES:

Check the depth of sensor immersion. This can have a profound effect on the unit's sensitivity.

Switch arrow head must align with one of the five graduation marks, otherwise the unit will not function effectively.

Set the unit at the highest sensitivity whenever possible, but without frequent false alarms. Lowering the sensitivity increases the risk that the sensor will not pick up the signal when small objects enter the pool.

English

## Turn the unit OFF

Press and hold both the green ON and the yellow RESET button simultaneously for 3 seconds, until you hear 5 consecutive beeps. The unit is now turned OFF.

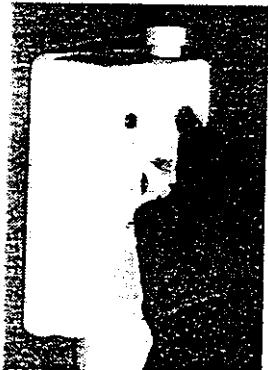


## Reset the unit

Press the yellow RESET button to turn OFF the siren. This will reset the unit to the ON state automatically.

### IMPORTANT NOTES:

If the water wave motion is unsettled, the alarm siren will sound when you release the button. In this case, turn OFF the unit until the water settles down, and then turn the unit ON again.



If you do not reset the alarm, it will reset by itself automatically in four minutes.

## Alarm unit function test

Fill a 5 Gal pail 1/3 full with water and drop the pail from a height of one foot from the surface of water. The wave created should activate the alarm. If this test is unsuccessful, adjust the sensitivity (refer to Sensitivity Adjust section).

Between each weight drop test, you should turn the unit OFF. Then wait until the water settles.

Repeat the same process at all locations of your pool. If the alarm fails to sound, move the alarm unit to another position and try again. If you find a dead zone in your pool, this may be an indication that your pool needs a second alarm unit.

Do not use the unit until the test results are satisfactory.

### IMPORANT NOTES:

Pools larger than 30 feet by 20 feet, L-shaped, or some other free form pools, may require more than one pool side alarm transmitter for effective monitoring.

The pool side alarm unit should be able to detect an object that weighs over 15 lbs.

## RF (radio frequency) signal link testing

This unit provides a convenient RF link testing, to ensure good RF transmission without setting off the alarm.

Hit the TEST button and hold for a couple of seconds. The unit will sound one beep or five consecutive beeps. This will depend on whether the unit is set to ON or OFF. Continue to hold this TEST button for three seconds until you hear three consecutive beeps. The unit will send out a RF alarm signal to the receiver inside the house (or to the next RF alarm booster), without setting itself off.

The receiver inside the house should sound within ten seconds after this three consecutive beeps. If the receiver does not ring, move the receiver to another location and check the installation again. Alternatively you may need to install a RF Alarm Booster (model PS-07, optional) between the pool side alarm transmitter and receiver, to relay the RF signal. Ensure all SENTINEL LINK devices are set to the same channel. (Refer to channel A/B select of both pool side alarm transmitter and receiver).



### IMPORTANT NOTES:

Remember to check the RF link periodically to ensure good RF transmission. If the RF signal is weak, replace the battery in the pool side alarm with a new one.

RF signal can be transmitted through solid wall. However, it is possible that this may weaken the RF signal. To avoid this, it is important to place the receiver in a straight line of sight to the transmitter whenever possible.

The microprocessor (built in the transmitter) is programmed to make three attempts to send the encoded RF signal out to the receiver. If the first attempt fails, the transmitter will change the coding and make a second attempt. If it fails again, the transmitter will change the coding and try for the third time. As a result, you may experience a few seconds delay between setting off the pool side alarm transmitter to the receiver.

Battery level affects RF signal strength. Weak battery in the pool side alarm transmitter will give weak RF signal out.

## Channel A/B select

The pool side alarm RF (radio frequency) signal can be transmitted from the transmitter to the receiver inside the house by two different channels (A or B). All units are preset at channel A in the factory. However, if your alarm system interferes your neighbor's alarm system, you may have to change your alarm unit to channel B.

The pool side alarm unit has a built-in channel select switch. This is located inside the battery compartment. Follows these instructions to change the channel.

1. Open the battery door and remove the battery. You can see an A/B slide switch located at the corner of battery compartment.
2. Use a screw driver to push the switch handle from A to B. Make sure to do the same channel adjustment on **ALL** your Sentinel Link devices, including the receiver.



## Remote receiver (PS-08 model only)

English

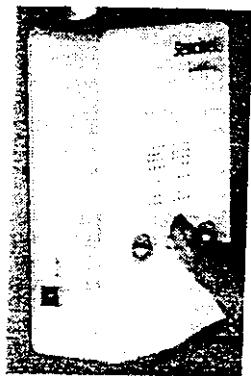
Place the remote receiver inside your house.

Plug in the A/C adapter and the green LED will stay ON, indicating it is ready to receive signals.

Use the stainless steel wood screw to hang the unit on a wall, or leave it stand up right. (DO NOT place the unit near big metal pieces or large motors, such as a refrigerator, or washing machine. This will adversely affect the RF reception).

When this receiver receives a RF alarm signal, the alarm siren will sound and the red LED will flash quickly.

Hit the RESET button located between the two LEDs, to reset the receiver. Each reset will disable the receiver for 10 seconds, allowing you enough time to go to the pool side alarm transmitter to reset it, or turn it off. During this 10 second timeframe, the red LED will flash every 1 second. If you do not reset the receiver, it will reset automatically in four minutes.



## Channel A/B select

The pool side alarm or other Sentinel Link alarms RF (radio frequency) signal can be transmitted from the transmitter to the receiver inside the house by two different channels (A or B). All units are preset at channel A in the factory. However, if your alarm system interferes your neighbor's alarm system, you may have to change them to channel B.

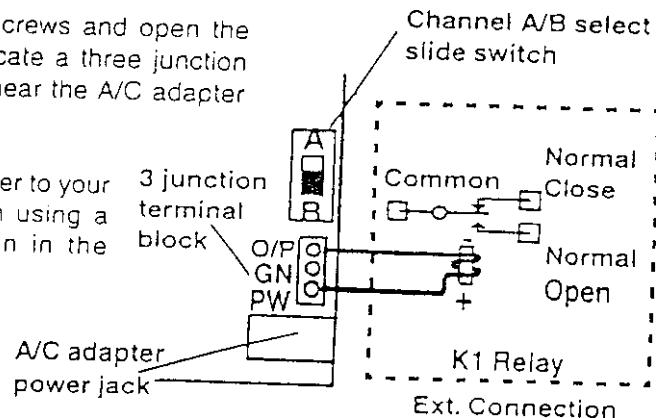
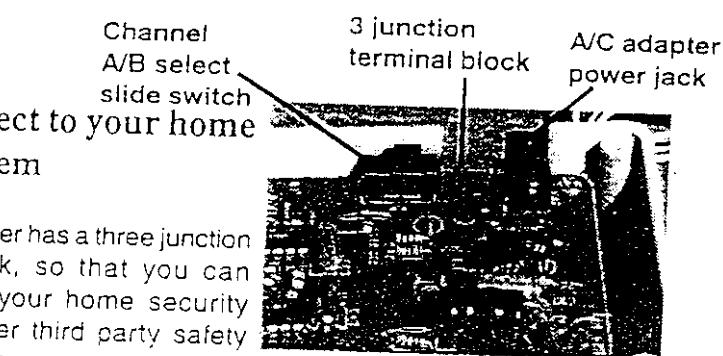
The remote receiver has a built in channel select switch, located inside the receiver box. Loosen the four screws and open the box. You can find a slide switch near the A/C adapter power jack. Push the switch handle from position "A" to position "B". Close the box after you have done and tighten up the four screws. Make sure you do the same channel adjust on all your SENTINEL LINK devices, including the pool side alarm transmitter. Check the RF link periodically to ensure good RF transmission.

### How to connect to your home security system

The remote receiver has a three junction terminal block, so that you can connect it to your home security system or other third party safety device. When the receiver receives a RF (radio frequency) alarm signal, it will activate the terminal block in 3 seconds. Resetting the receiver within 3 seconds ensures that you will not activate your home security system.

Loosen the four screws and open the box. You will locate a three junction terminal block near the A/C adapter power jack.

Connect the receiver to your security system using a relay, as shown in the diagram below.





## Content

### PS-08

Pool side alarm transmitter control head, 1piece  
Pool side alarm transmitter sensor tube, 1piece  
Remote receiver, 1piece  
A/C adapter, 1piece  
"W" shaped plastic clamp: 2 sets  
1.9" to 1.5" ladder adapter: 2 sets  
"U" shaped plastic clamp, 2 sets  
Metal bracket, 1piece  
1" X 1" double sided foam tape: 2pieces  
1" X 1.5" double sided foam tape: 2pieces  
Machine screws: 6 pieces  
Wood screw: 3 pieces  
Operation manual: 1 set  
Warranty card: 1 set

### PS-09

Pool side alarm transmitter control head, 1piece  
Pool side alarm transmitter sensor tube, 1piece  
"W" shaped plastic clamp: 2 sets  
1.9" to 1.5" ladder adapter: 4pcs  
Machine screws: 6 pieces  
Operation manual: 1 set  
Warranty card: 1 set

Perfect companion for your security in and around the pool (all optional)

- PS-01 *Sentinel* Floating boat digital thermometer
- PS-02 *Sentinel* Basic water resistant gate alarm
- PS-03 *Sentinel* Water resistant gate alarm with additional PASS/RESET switch
- PS-04 *Sentinel Link* Gate alarm with RF transmitter  
(can work with your PS-08 remote receiver)
- PS-07 *Sentinel Link* RF alarm booster
- PS-10 *Sentinel* spa cover alarm

Lambo Products, Inc.  
Mountain View CA 94041  
Tel: 888-383-8228  
Fax: 650-965-7194

Warning: Changes or modifications to this unit 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 needed.
- ◊ Consult the dealer or an experienced radio/TV technician for help.