

# IMPORTANT **SMARTMISER™** INFORMATION

U.S. AND FOREIGN PATENTS PENDING

## 5.0 YOUR SMARTMISER PARTS:

### 5.1 The Transmitter:

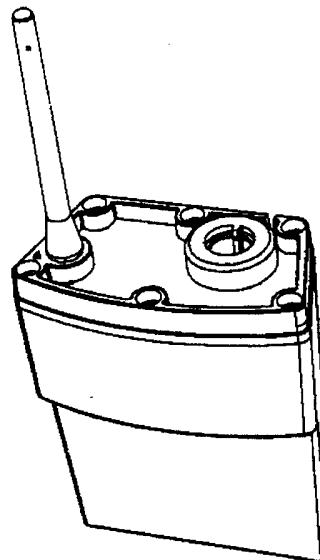
The Transmitter senses the water level in your pool. When an "on" signal is sent from the Transmitter, the Receiver turns on the water to your pool. When the water level rises approximately 1 inch, the Transmitter will send an "off" signal and shut off the water.

The Transmitter can be opened by removing the six socket head cap screws, but should be opened only to replace the battery which is a 3-volt lithium coin cell (CR 2032). Normal battery life should be from 2 to 3 years under normal use. Be sure to replace a worn battery in the Transmitter as failure to do so will cause the Smartmiser to stop working and could result in serious damage to your pool equipment. Be sure to reprogram the unit whenever the battery is replaced. (*See Instructions, Section 4*) The Transmitter unit is waterproof. Whenever the lid of the Transmitter is removed, the six screws should be reattached applying even pressure to make sure that a completely waterproof seal is achieved.

Modifications to the Transmitter are prohibited and will void the purchaser's authority to use this device (47CFR15).

### 5.2 The Float:

The Float contains a small magnet which activates the Transmitter unit. The Float moves up and down with the water level in your pool and moves between the off and on switches within the Transmitter. The Float will be inserted into the top of the Transmitter unit as described in Section 4 of the Instructions.



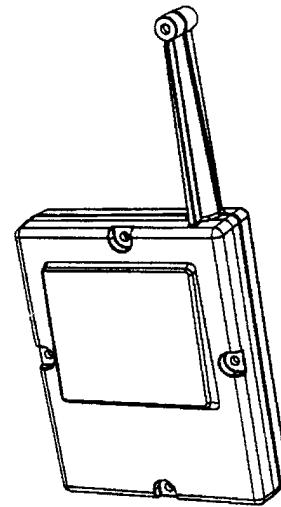
The Transmitter



The Float

### 5.3 The Receiver:

The Receiver reads the signal from the Transmitter and either turns on or off the water to your pool. Once an "on" signal is received, the Receiver automatically begins to time the filling process. If for some reason the Transmitter does not send an "off" signal, the Receiver is pre-set at the factory to shut off automatically. This automatic shut off function has six different settings and can be changed from 10 minutes to 24 hours. The number of flashes of the LED light indicates the length of time before the Receiver automatically shuts off the water.



The Receiver

Four flashes is pre-set at the factory and will automatically shut off the water 2 hours after an "on" signal is received. Pushing the PGM switch (*see Instructions, Figure 1*) will change the length of time on this safety shut off feature. Each quick press of the PGM switch will advance the time function as follows:

<u>Time</u>	<u>Flashes</u>
2 Hours .....	4 Flashes
8 Hours .....	5 Flashes
24 Hours .....	6 Flashes
10 Minutes .....	1 Flash
30 Minutes .....	2 Flashes
1.25 Hours .....	3 Flashes

Larger pools should be set for a longer time interval.

### 5.4 Miscellaneous Parts:

Your Smartmiser package also contains a standard 24-volt UL rated Interior Use Transformer, mounting screws, extra velcro, 4 pieces of wire, and 4 exterior use wire nuts. The velcro is used to mount the Transmitter unit into your pool.

## **6.0 Cleaning the Skimmer Unit:**

The Smartmiser has been designed to allow for easy removal to accommodate cleaning the skimmer basket. If you need to remove the basket from the skimmer unit, merely pull the Transmitter off of the velcro on the side of the skimmer that will allow easy removal of the skimmer basket. Once the basket is replaced, merely reattach the Smartmiser to its previous location. However, remember that when the Transmitter is removed, the Float may fall to the bottom of the Transmitter and may turn on your water. If that occurs, make sure you promptly reinstall the Transmitter after the skimmer basket is replaced. Once the Transmitter is reinstalled, the water level will automatically go off once the water reaches the high level indicator on the Transmitter.

## **7.0 Troubleshooting:**

### **Problem**

1. The LED light is not blinking.

### **Possible Solution**

Check for loss of power supply. Make sure the Transformer is plugged in. Check to make sure that the re-set button on the GFI protected outlet is properly set.

2. The Receiver is not receiving the Transmitter's signal.

Possible loss of code signal. Re-program the units to read each other per Section 4.0.

Possibly a problem with obstructions or interference between the Receiver and Transmitter units. Consider re-positioning the Receiver unit closer to the Transmitter or in a more direct line of sight, or allow the top of the antenna to extend slightly above the Skimmer through the hole in the Skimmer lid. Consider placing the Transmitter along the inside edge of the pool instead of the skimmer.

3. The Transmitter is not sending a signal.

Possible loss of power. Replace battery per Section 5.1.

Possible loss of code signal. Re-program the Transmitter and Receiver units to speak to each other per Section 4.0.

Possible obstruction of Float. Check to see that Float moves freely. Flush with hose to clean.

4. The signal is sent and received but the water does not turn on.  
Possibly a problem with the valve. Re-check wiring and connections from the Receiver unit to the valve. Check the solenoid on the top of the valve and replace if necessary.
5. Water shuts off before the pool level reaches the high water indicator on the Transmitter.  
Possible that automatic shut off function is set for a smaller pool. Reset the automatic shut off function in the Receiver to a longer time interval per Section 5.0.

For all other problems, either contact your pool installer or contact Poolmiser directly and speak to one of our technicians.

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