

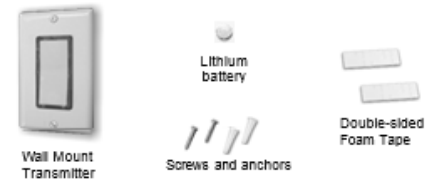
### 1. Introduction

Thank you for your purchase of a AquaMotion Wall Mount Transmitter, Model AM-WS. This transmitter allows you to wirelessly operate the circulator automation with the AquaMotion receiver modules.

All wireless signal communications within the AquaMotion System are based on rolling code technology to ensure highest security is used.

You will find the following in this package:

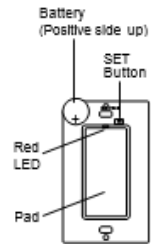
- Wall Mount Transmitter
- Mounting Accessories & Double-sided Foam Tape
- Lithium Battery CR-2032



### 2. Programming Transmitter to Receiver Module

In order to operate a receiver module remotely, a transmitter must be programmed to the receiver module.

- 1.) Remove the front wall plate from the Wall Mount Transmitter by loosening the 2 screws. (picture)
- 2.) Insert the battery to the Wall Mount Transmitter as shown. Positive side up. When battery is installed, the LED on the transmitter will be on for 1 second. (pictures)
- 3.) The transmitter and receiver must be within 100 feet of each other in an open area when using or programming. They work best when avoiding metal surfaces.
- 4.) On the wireless receiver, plug in the white antenna into the side of the unit.
- 5.) On the wireless receiver, plug the pump into the AC plug on the unit.
- 6.) Plug the power cord of the wireless receiver into an AC outlet in the wall. The lamp on the receiver will light red for a second.
- 7.) **You must complete steps 7-11 within 25 seconds or you will have to repeat them.**  
On the wireless receiver, press the white SET button for about 10 seconds until the lamp is constantly red.
- 8.) Press the "SET" button on the transmitter. The red LED on the transmitter will be on for 15 seconds. (picture)
- 9.) Activate the Wall Mount Transmitter by pressing the pad on the front. Its red LED will flash then off. (picture)
- 10.) Unplug the wireless receiver. Then plug it back into the wall AC outlet. The lamp will light red for 1 second.
- 11.) Press the pad on the wireless transmitter. This should turn on the pump. If it does not, then go back to Step 7.
- 12.) Now the programmed transmitter is ready to be used.
- 13.) Please read "Time Window" explanation to decide how long you want your hot water to be on.



#### Time Window

The AMK-WS can be programmed to keep the water hot in a room for some amount of time. This time interval can be programmed to: 5 minutes, 15 minutes, 30 minutes or 60 minutes. This is the time that the AMK-WS and "HOT" pump will keep giving you hot water. All units have been programmed for 5 minutes.

- 14.) **For 5 minutes of hot water:** On the wireless receiver, press the white SET button for about 6 seconds until the lamp on the wireless receiver flashes twice in a second (first it will flash once in a second, but keep the SET button pressed down until it flashes twice in a second). The pump should run for 5 minutes then turn off (this is the default setting that all kits come programmed for).  
**For 15 minutes of hot water:** On the wireless receiver, press the white SET button for about 13 seconds until the lamp on the wireless receiver flashes three times in a second (first it will flash once in a second, but keep the SET button pressed down until it flashes three times in a second). The pump should run for 15 minutes then turn off.  
**For 30 minutes of hot water:** On the wireless receiver, press the white SET button for about 17 seconds (first it will once a second, but keep the SET button pressed down until it flashes four times in a second). The pump should run for 30 minutes the turn off.  
**For 60 minutes of hot water:** On the wireless receiver, press the white SET button for about 25 seconds until the lamp on the wireless receiver flashes five times in a second (first it will flash once in a second, but keep the SET button pressed down until it flashes five times in a second). The pump should run for 60 minutes then turn off.

### 3. Installation

After programming, you are now ready to install the Wall Mount Transmitter.

You may use double sided foam tape to stick the transmitter on the wall, or you may use screws to mount the transmitter.

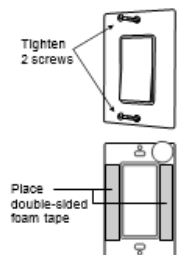
Using double sided foam tape:

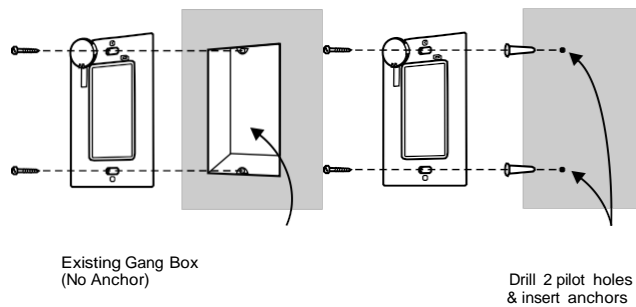
Place the 2 double sided foam tapes on the back of the back plate. Clean the surface of the wall where you plan to install the back plate. Peel off the foam tape cover and stick it to the wall surface.

Using screws:

If you are using screws, tighten the back plate of the wall mount transmitter by the 2 screws provided. If you are installing the back plate to an existing wall switch with wall box, no need to use the anchors. Other- wise, drill 2 small pilot holes based on the 2 mounting screw positions and insert the anchors before tightening the back plate with screws.

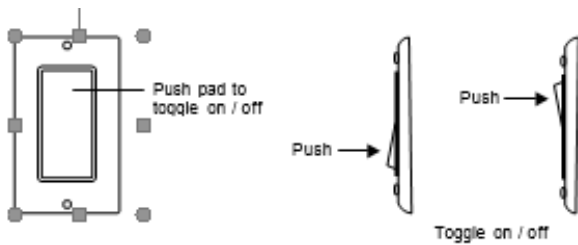
After securing the back plate, either by double sided foam tape or screws, tighten the 2 screws on the front to secure the front plate.





#### 4. On/Off Operation

Pushing the pad from one position to the other will toggle the status of a load, i.e. when the light is off, pushing the pad will turn on the light, and vice versa.



#### 5. Erasing Wall Mount Transmitter from Receivers

Erasing Wall Mount transmitter from the ON/OFF Dimming Control Model AMK-WSR

You may erase a transmitter from the receiver module, but you cannot erase a specific device directly, you must erase all the wireless devices, then program the ones you want to keep.

#### 6. Battery

When operating range is reduced, or when the red LED does not flash during operation, it is time to replace the battery. Follow the same procedure as installing the battery in section 2 of this manual to replace the battery.

Note: Dispose of old batteries promptly and properly.

#### 7. FCC

The Remote Control is approved by the FCC and it complies with Part 15 of the FCC Rules. Its operation is subject to the following two conditions:

1. This device may not cause harmful interference.
2. This device must accept any interference that may cause undesired operation.

**WARNING:**

Changes or modifications to this unit not expressly approved by the party responsible of compliance could void the user's authority to operate the equipment.

#### 8. Warranty

If, within one year from date of purchase, this product should become defective (except battery), due to faulty workmanship or materials, it will be repaired or replaced, without charge. Proof of purchase and a Return Authorization are required.