



## THE AQUA LINE

### USER MANUAL FOR AQUA ACTUATOR AND AQUA REMOTE

#### WELCOME

Thank you for purchasing the Aqua Remote and Aqua Actuator, part of Simple Flow Inc.'s Aqua Line. The Aqua Remote works with the Aqua Actuator to remotely open and close standard  $\frac{1}{4}$  turn ball valves. After installing the Aqua Line, there's no need to enter a customer's home or business, removing the hassle of coordinating schedules, reducing liability, and allowing you to get more done. If you need an Aqua Actuator or an Aqua Remote, contact your local distributor or visit our website: [simpleflowinc.com](http://simpleflowinc.com)

#### BEFORE YOU START

1. **Charge it.** Charge the Aqua Remote using the included AC power or USB adaptor. It takes approx. 90 minutes for the remote to fully charge.
2. **Register it online.** Visit [simpleflowinc.com/register](http://simpleflowinc.com/register) to register your Aqua Remote and create a Master Pin (MPIN) and Unique Company ID (UCID) before use.
3. **Set-up remote & test.** Turn on and program Aqua Remote using Master Pin and Unique Company ID you registered online. Create a unique Pin for the remote. The Aqua Remote is now ready to sync with the Aqua Actuator and be used in the field. One Aqua Remote can control multiple Aqua Actuators.

#### INSTALLATION: AQUA ACTUATOR

Your Simple Flow Aqua Actuator can be mounted to any pre-existing  $\frac{1}{2}$ " to  $1\frac{1}{2}$ " ball valve that is located with at least 7" of clearance between walls/structures/obstructions and the ball valve handle both in the open or close position. It is mountable to PEX, PVC, copper or any other type of standard plumbing pipe.

Steps:

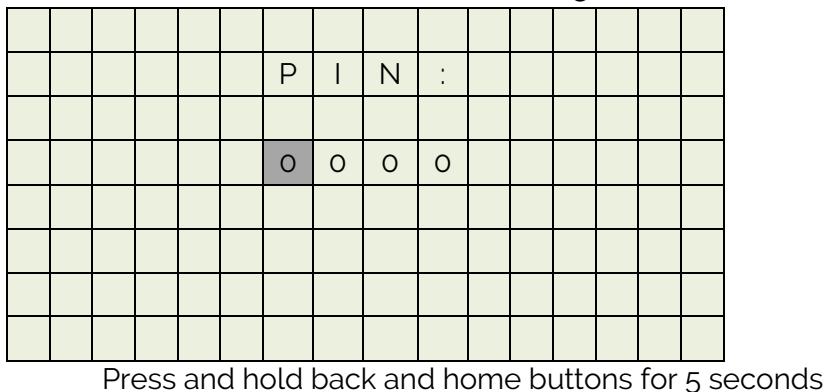
1. Make sure the valve is easily useable by hand with minimal force before continuing further with installation. Even though the Actuator was built with a strong and durable motor, if the valve is too stiff, it may need to be replaced before proceeding with installation.
2. Place the ball valve in the closed position. Special note: this is very important to ensure proper alignment of the Actuator on the ball valve.
3. Using the manual release pin on the bottom of the unit, move the valve actuator arm to the closed position as well.
4. Open both hose clamps by unscrewing them until the strap is free from the screw.
5. Insert the ends of both hose clamps through the mounting bracket and leave them loose.
6. Open the screws (4x) on the control arm to allow the brackets to move freely.
7. Remove rubber valve handle cover on existing ball valve or use a utility knife to remove dipped rubber material from the sides of the valve handle to allow smooth operation.
8. Place the mounting bracket on the pipe and open the hose clamps ends to go over the pipe you are mounting the actuator on. Loosely tighten the hose clamps so the unit remains movable.
9. Align the control arm with the valve handle and place over the handle.
10. Gently close the control arm brackets around the valve handle. Do not close the control arm bracket too tightly around the valve handle or the unit will bind on the handle during operation.
11. While making sure the valve Actuator is aligned with the valve handle, tighten the screws on the hose clamps until tightly fastened to the plumbing.
12. Plug the unit in with power supply provided. Test for proper installation by depressing the button on the top of the motor housing. Check for smooth operation in both open and close functions.
13. Proceed to pairing the unit with your Simple Flow Aqua Remote.

## ADMINISTRATION MODE - AQUA REMOTE

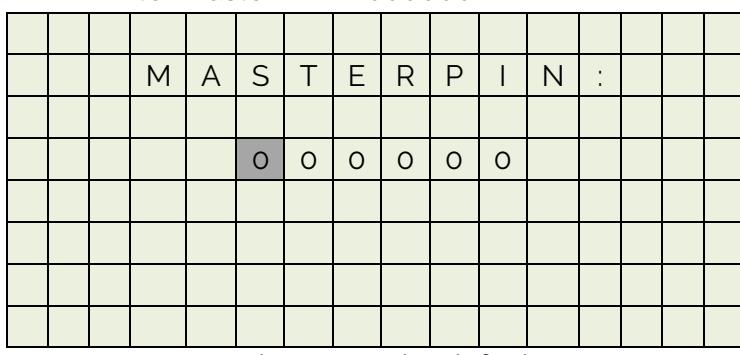
Before setting up any Aqua Actuators, a company administrator will first need to set-up the Aqua Remote. This allows a company owner or administrator to set a Master PIN (MPIN) for the remote to access the administrator section and also set a Unique Company ID (UCID). The MPIN and UCID are extremely important and must be saved. These security features allow the owner/administrator to associate all valve actuators with their company and will keep anyone without it from accessing or controlling your devices.

Follow these steps to set-up the remote and to access the administrator functions:

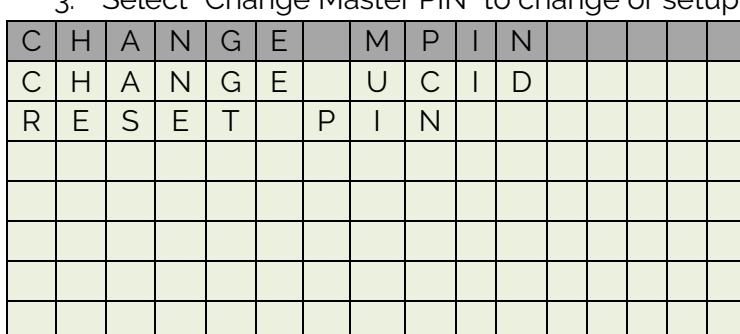
1. On the remote at the PIN screen, press and hold the back and home buttons for 5 seconds to enter the Master PIN log in.



2. Enter Master PIN # 000000



3. Select "Change Master PIN" to change or setup the master PIN



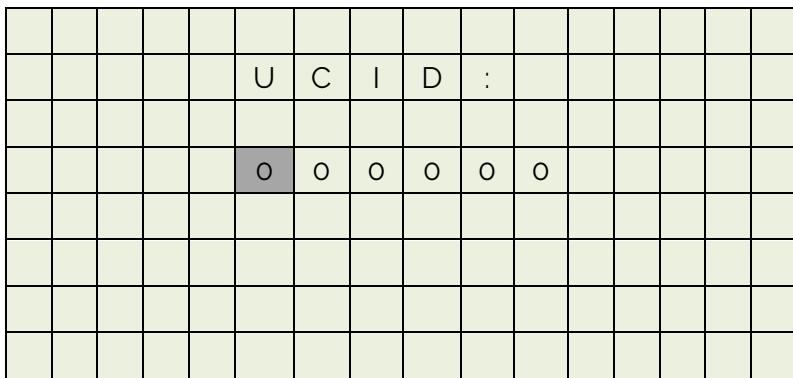
Use the up and down arrows to change each digit and use left and right arrows to change position

Press **OK** on remote when complete

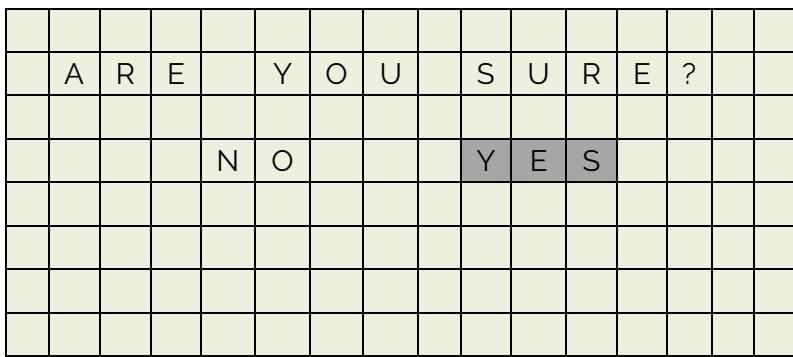
Press **OK** on remote when complete.

4. This returns you to the main PIN login. Repeat steps 1 & 2.
5. Select "Change UCID" to change or setup the UCID

Use the up and down arrows to change each digit and use left and right arrows to change position

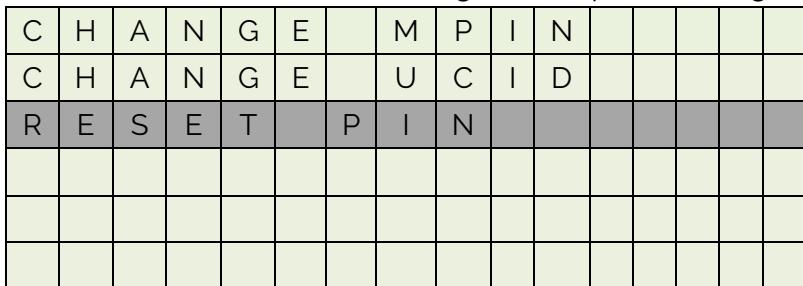


Press **OK** on remote when complete



Press **OK** on remote when complete

6. Select "Reset PIN" to change or setup the PIN login

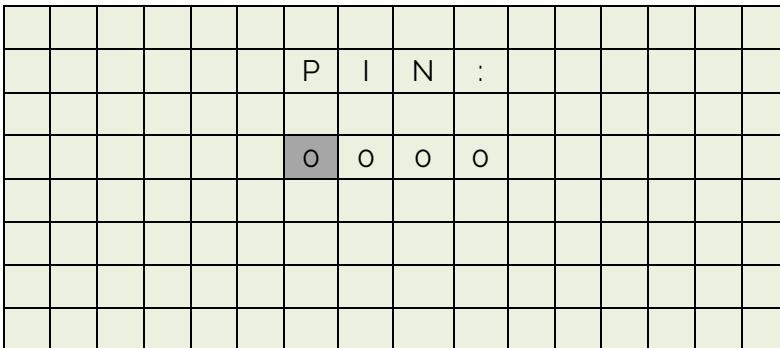


Press **OK** on remote when complete

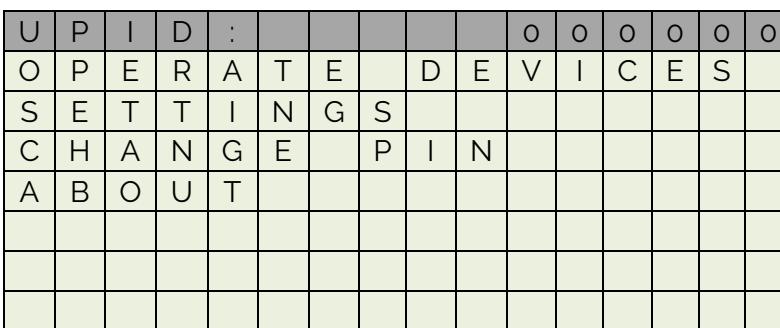
## SET-UP AND SYNC AQUA ACTUATOR WITH AQUA REMOTE

Once you have installed the Aqua Actuator and have the Aqua Remote in hand, proceed with the following steps to sync and control the actuator using the remote:

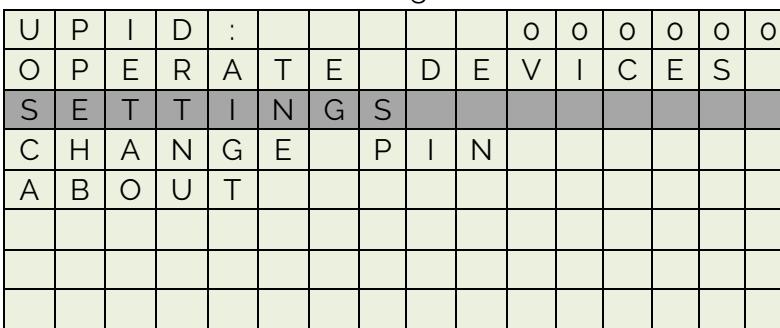
1. On the remote, enter your remote specific PIN to log in. (Default is 0000)



2. On the remote, enter the Unique Property ID (UPID) of the property where the valve actuator will be located and associated with. **Special Note:** It is recommended to use the street address of home or business.



3. On the valve actuator, press and hold the open/close button for 5 seconds to enter into the pairing mode.
  - a. The light behind the button on the actuator will begin to blink once in pairing mode.
4. Next go to the Settings menu on the remote. Click **OK** and wait for remote to search for actuators within range.



5. Select the serial number of the actuator you wish to pair and click **OK**.

S	N	R	:		x	x	x	x	x	x	x	x	x	x

6. Select "Set UCID" first to assign the actuator to your company's Unique Company ID. Confirm the action and select **Yes** when asked.

a. Company UCID is set in administrator mode to associate the actuator to your company. (Refer to Administrator Mode section for instructions on setting the UCID for the first time or to change UCID on the remote).

S	E	T		U	C	I	D							
S	E	T		U	P	I	D							
S	E	T		I	D									

7. Next select "Set UPID" to give the actuator a property ID. Confirm the UPID is correct and select **Yes**. (Special Note: it is recommended to use the street number of the property address.)

S	E	T		U	C	I	D							
S	E	T		U	P	I	D							
S	E	T		I	D									

8. Finally, choose a Unique ID for each actuator by selecting "Set ID" from the menu.

S	E	T		U	C	I	D								
S	E	T		U	P	I	D								
S	E	T		I	D										

Test operation after device setup.

## AQUA ACTUATOR OPERATION (VIA THE AQUA REMOTE)

Once you have the actuator installed and have set-up and synced the actuator with the remote, use the following steps to control the actuator using the remote:

1. On the remote, enter your remote specific PIN to log in.

					P	I	N	:							
					o	o	o	o							

2. You now have a range of options:

U	P	I	D	:					o	o	o	o	o	o	o
O	P	E	R	A	T	E		D	E	V	I	C	E	S	
S	E	T	T	I	N	G	S								
C	H	A	N	G	E		P	I	N						
A	B	O	U	T											

(Defaults to last used UPID)

### 3. UPID (Set UPID)

a. Select UPID to property number you are visiting

- b. Change UPID to desired number by scrolling left or right with the arrows on the keypad of the remote to desired position on each of the 6 available digits.
- c. Next use the up or down arrows on the keypad to change the numbers in each column between 0 - 9
- d. Press **OK** on the keypad to accept the new UPID

## 4. Operate Devices

a. Select Operate Devices

b. Select Device you wish to operate and click **OK**

V	A	L	V	E	O	1				O	F	F		
M	A	S	T	E	R		V	A	L	V	E	E	R	R
Z	O	N	E		O	1					O	F	F	
Z	O	N	E		O	2					O	N		
Z	O	N	E		O	3					O	F	F	
.	.	.												
Z	O	N	E		9	9					O	F	F	

c. Select function desired (ON/OFF, SHOW STATUS, RESET COUNTER)

V	A	L	V	E	O	1				O	F	F
O	F	F										
O	N											
S	H	O	W		S	T	A	T	U	S		
R	E	S	E	T	C	O	U	N	T	E	R	

d. Show Status (shows the device serial number, hardware version, firmware version, manual operations, total operations, total manual operations resets, and current status of device)

S	N	R	:	x	x	x	x	x	x	x	x	x	
H	W	:		V	x	.	x						
F	W	:		V	x	.	x						
M	A	N	:	x	x	x	x						
T	O	T	:	x	x	x	x						
R	E	S	:	x	x	x	x						
S	T	A	:	O	N	/	O	F	F	/	E	R	R

e. Reset Counter (resets the manual operations counter to 0)

V	A	L	V	E	0	1				O	F	F
O	F	F										
O	N											
S	H	O	W		S	T	A	T	U	S		
R	E	S	E	T	C	O	U	N	T	E	R	

## AQUA ACTUATOR UCID TRANSFER/RESET

You're Actuator MUST BE REGISTERED with Simple Flow ([simpleflowinc.com/register](http://simpleflowinc.com/register)) in order to transfer/reset an actuator to a new Unique Company ID (UCID). You will need a specific reset code (DSRC) in order to perform this process. This can be retrieved by contacting Simple Flow at [simpleflowinc.com](http://simpleflowinc.com).

## FCC STATEMENT

Order This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions:

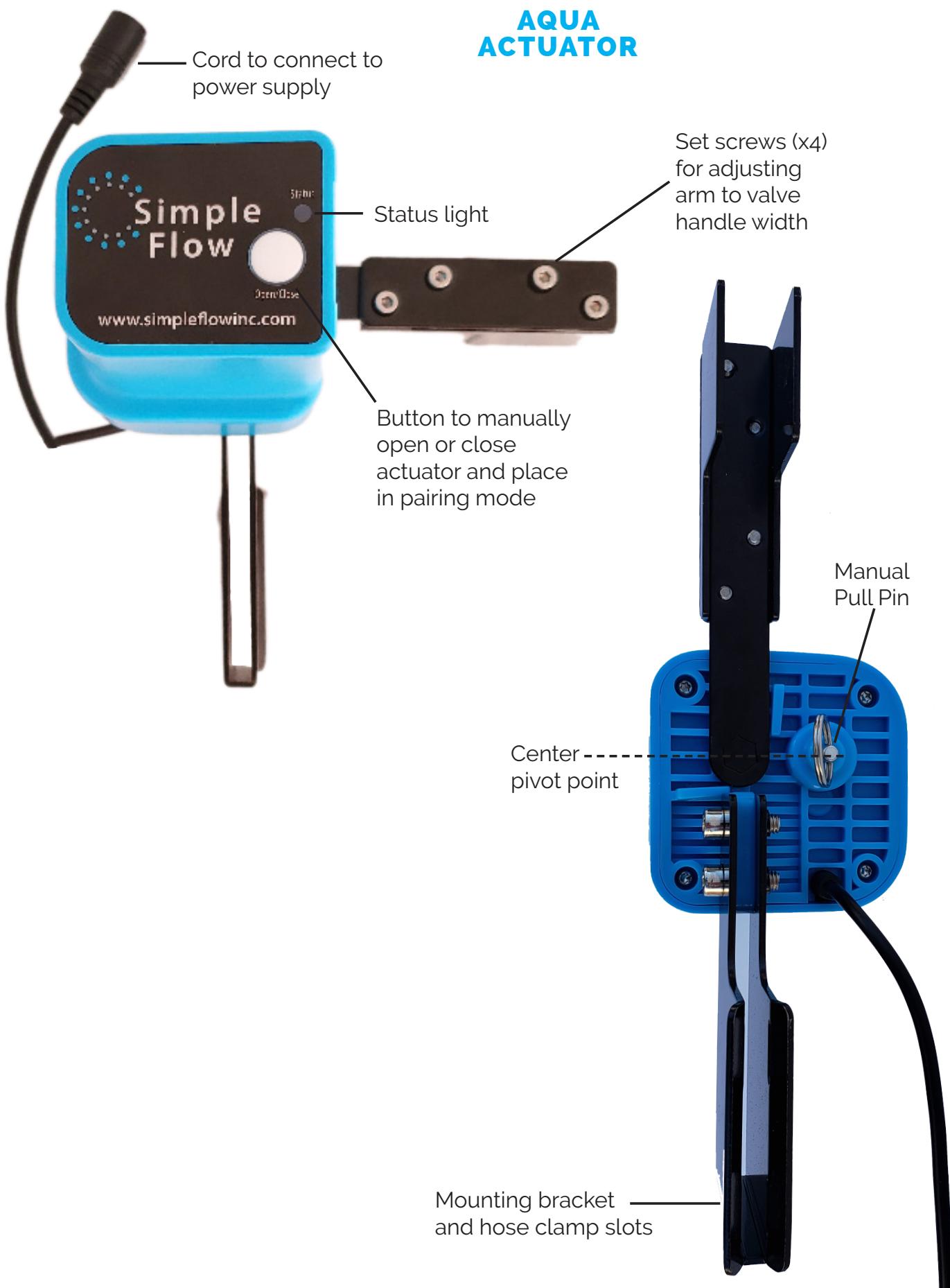
- 1) this device may not cause harmful interference, and
- 2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void your 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.

## AQUA ACTUATOR



## AQUA REMOTE

