

aquatica®

Function, Form & Fashion



Operation Manual

Relax Series Air Baths

with:

UL Recognized Electronic Control

Integral Heater

Ozone™ Disinfection

110V/60Hz, US, Canada, Central America, Carribean, Japan

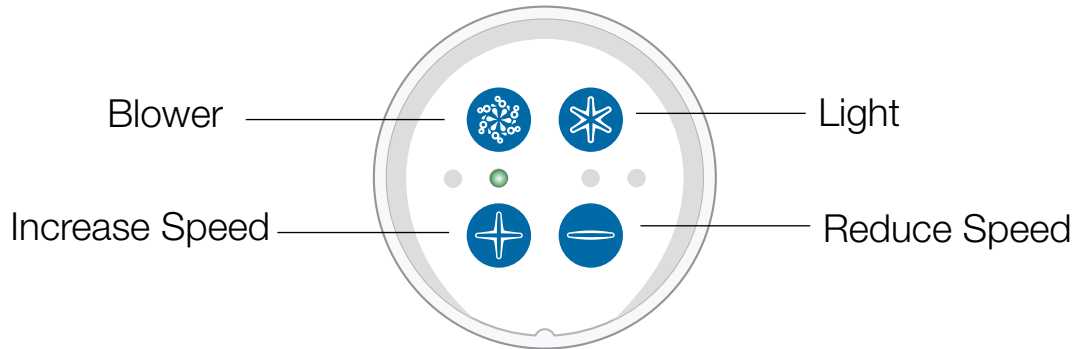
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IMPORTANT: These operating instructions are to be provided to the end user. All printed material should be read thoroughly, prior to using the product.

OPERATION OF SOLID STATE ELECTRONIC KEYPAD

4-BUTTON KEYPAD FUNCTION



POWERING UP

Each time the blower is electrically connected or manually reset, it will automatically start a 20 second self-diagnostic check, and become temporarily inoperative.

The keypad will enter the “Armed-Sleep Mode” and become fully operational, after the keypad lights have stopped flashing.


***Note:** blowers are electrically connected at all times, therefore, a self-diagnostic check will only repeat when power is interrupted, or after a manual System Reset.

If the self-diagnostic check fails, the keypad will constantly display flashing red lights. Refer to the troubleshooting section of this manual if this condition persists.

ARMED-SLEEP MODE

The keypad control remains operational at all times, however, it will enter a “Sleep Mode” by having no LED light display when the bath is not in use.

BLOWER OPERATION

The blower can be operated on/off at anytime by pressing the  button, regardless of the water level. A green LED light on the keypad will confirm the start of the 30 minute session timer.

30 MINUTE SESSION TIMERS



The system is equipped with a 30 minute session timer, to prevent unattended or unwanted operation.

After 30 minutes of operation, both the interior light and blower will turn off automatically. This timer activates at all blower speeds, and massage modes.

*If the blower or light is turned off during a 30 minute timed session, you have 5 seconds to reactivate that current session, or the system timer will default back to 30 minutes.



BLOWER SPEED CONTROL

When the blower is operating, you can control the massage levels by pressing and holding the  or  buttons on the keypad, to increase or decrease the motor speed, and air volume.

These buttons become inoperative during Pulse and Wave Massage modes

PULSE MASSAGE MODE

(Begin with the blower off) Press the blower  button twice to begin the Pulse Massage Mode.


The motor will continuously alternate air volume from high to low, in single large steps, providing a unique pulsing effect for a full 30 minute timed session.

WAVE MASSAGE MODE

(Begin with the blower off) Press the blower  button three times to begin the Wave Massage Mode.

The motor will slowly change air volume from high to low at a tranquil 12 second pace, providing a unique wave massage effect for the full 30 minute timed session.

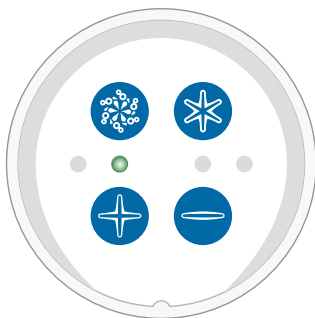
MOOD SETTING STRING LED LIGHTS













If an interior light has been installed, then on/off operation is available at anytime by pressing the light  button, regardless of water level.

A constant green light on the keypad will confirm this command during light operation. The light is also equipped with a 30 minute session timer to prevent unattended or unwanted operation.

The on-board controller delivers an array of preprogrammed light shows that include color washes, randomly changing colors, color cross fades, and fixed colors from one show to the next. Turn the light button OFF and then ON again in 1 second or less, to go to the next light show.

LED DEFINITION



- | | | | | |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|
|  |  |  |  | Session Timer On
Tells you a device button has been pressed and a Session Timer is running. |
|  |  |  |  | Water Level Detected
Tells you there is still water in the tub. (Sensor required.) |
|  |  |  |  | Error
Tells you that your system needs servicing.
(See System Error Detection.) |

LED LIGHT FOR WATER LEVEL DETECTION

When the bath is full, a “solid” green light will remain on the keypad.

When the bath water is removed, the detection light will “flash” every few seconds, confirming a 30 minute countdown to the start of a 2-minute **Drying Cycle**.

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OPERATION OF SOLID STATE ELECTRONIC KEYPAD

DRYING CYCLE

A 2-minute **Drying Cycle** has been incorporated for removal of residual water in the blower plumbing. This feature promotes a more sanitary and healthy bathing environment.

The system sensors will not allow a **Dry Cycle** to arm or start when the bath is full of water, and cannot be cancelled or reprogrammed.

A 2-minute **Dry Cycle** will automatically start the blower 30 minutes after one of these conditions:

1. After the bath water has been emptied (even if the blower has not been used).
2. When bath water falls below the sensor level.
3. After a shower, if water or high humidity enters the sensor area.

LED LIGHT FOR ERROR MESSAGES



If a system error occurs to the electronics, a red LED light will continuously flash on the keypad.

A timed on/off pattern reveals a diagnostic error code that should be noted for technical support.

SYSTEM RESET

The electronic system can be completely reset from the keypad for service purposes.

Refer to the troubleshooting section of this guide for reasons to perform a **System Reset**.

To perform a **System Reset**, press and hold both the   buttons simultaneously for up to 20 seconds.

When the LED light begins to flash, the system will automatically start a 20 second self-diagnostic check, and become temporarily inoperative.

The keypad will enter the **Armed-Sleep Mode** and become fully operational again, after the lights have stopped.

HEATED AIR OPTION

The heater incorporated within the blower is self-operating, self-regulating and maintenance free.

The heater has been performance tested, and qualified to last the entire life of your blower.

HEATER OPERATION

Anytime the blower is turned on at any speed, the heater becomes active and helps raise the air supply temperature. If the heater becomes overheated due to insufficient airflow, it will automatically switch off for safety, and become operational once again when cool.



OZONE™ OPTION

The Corona Discharge (CD) ozone generator incorporated within this blower is selfoperating, self-regulating and maintenance free.

The CD ozone generator has been performance tested, and qualified to last the entire life of your blower.

PLUS OZONE™ OPERATION

The Plus Ozone generator turns on and off automatically with the blower, insuring ozone is not being generated without a means of delivery.

When the blower is operating at any speed, it's normal to encounter a "purification" smell, confirming that ozone is being generated and delivered.

The ozone potency has been regulated on this device, and remains non-adjustable for your safety and convenience.

Ozone gas applies an instant effect to water, however, it does not maintain or build a lasting residual. Therefore, ozone becomes ineffective shortly after the blower has been turned off.

Ozone generated by this device is solely intended for the sanitation of water, and inner walls of the delivery piping system by means of direct exposure. The effectiveness and expected benefit of ozone is strictly limited to the time during blower operation.

WARNING

Long periods of operation may cause an unpleasant accumulation of ozone off-gas in small rooms, and a potential health risk to asthma sufferers, persons allergic to ozone, or susceptible to respiratory health problems.

**** DO NOT allow children or unqualified adults to operate this product unattended.**

Always make sure the blower is not operating when unattended.

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TROUBLESHOOTING

BLOWER OR INTERIOR LIGHT WILL NOT WORK

Keypad button is pushed, and the green LED light **is not displayed** on keypad, and nothing works.

1. Check for power supply problems with GFCI breaker, or power outlet.
2. Confirm power supply cord is plugged in outlet, and cord plug is illuminated.
3. Confirm cable is plugged into topside panel, and secured with the retainer clip.
4. Inspect for damaged cords.
5. Perform a **System Reset**.
6. If condition persists, contact your Aquatica dealer or qualified service agent.

KEYPAD BUTTON IS PUSHED, AND A GREEN LED LIGHT IS DISPLAYED ON KEYPAD, AND NOTHING WORKS

1. Interior light bulb can be burned out, missing, or displaced from lens assembly.
2. Blower can be overheated from extended use. Let it cool down for an hour and retry.
3. Potential system fault. Refer to the operations section and attempt **System Reset**.
4. Blower brush life has reached the end of its life cycle requiring replacement.
5. If condition persists, contact your Aquatica dealer or qualified service agent.

KEYPAD LED LIGHTS FLASH RED (failure of self- diagnostic test)

If the red lights continue to flash on the keypad after the 20 seconds self- diagnostic check,

1. Follow the steps in this guide for **System Reset**.
2. Check & see if keypad cable has a loose connection.
3. If the condition persists, contact your Aquatica dealer or qualified service agent.

BLOWER TRIPS BREAKER OR GFCI

If a tripping breaker persists, leave breaker in the “off” position, and call for service.

Breaker trips can be caused by wet motor conditions, electrical connection breach or blower malfunction, and must be inspected and serviced by a qualified service agent.

BLOWER STARTS ON ITS OWN

An automatic 2-minute **Dry Cycle** will start 30 minutes after each condition below.

1. After the bath water has been emptied (even if the blower has not been used).
2. When bath water falls below the sensor level.
3. After a shower, if water or high humidity levels enter the sensor area.

*The **Dry Cycle** cannot be reprogrammed or cancelled. This feature remains a benefit to maintaining a sanitary and healthy bathing environment.

If the blower is activating on its own, and not found to be in a **Dry Cycle**, check that children at play, dripping water, household pets, falling towels, waving shower curtains etc. are not contacting the keypad. If condition persists, contact your Aquatica dealer or service agent. Make note of the LED light(s) displayed on the keypad when blower has activated.



2-MINUTE DRY CYCLE DOES NOT ACTIVATE

1. The **Dry Cycle** will not activate with the bath full of water (confirmed by bath full light on keypad).
2. If the **Dry Cycle** does not arm or start 30 minutes after bath is drained (confirmed by blinking light on keypad) follow instruction for **System Reset**. If problem persists, contact your Aquatica Dealer, or service professional.

2-MINUTE DRY CYCLE ACTIVATES WHEN BATH IS FULL

1. Attempt to correct blower behavior by performing a **System Reset**.
2. **Dry Cycle** wiring cable may have become disconnected or damaged. Inspect the cable on each end for proper attachment to the sensors, and connection pin set located at the rear of the blower. Power blower off before performing inspection and work.
3. If no cable or connection issue was found, and a **System Reset** did not correct the blower behavior, contact your Aquatica Dealer or service professional for inspection and repair.

POOR AIR DELIVERY/PERFORMANCE

1. Debris clogging blower intake filters. Inspect and remove material from intake filters.
2. Plumbing disconnection, or pinched air delivery lines must be inspected and fixed.
3. Stuck safety check valve requiring a service professional.
4. Low voltage power supply requiring a service professional.
5. Insufficient air cavity volume beneath the bath can lead to low performance. Confirm with your installer that proper sizing and/or venting recommendations have been followed.

VIBRATION NOISE

1. The blower and plumbing should be firmly secured so it doesn't tap or rattle against other objects. In severe cases, the addition of vibration dampeners is recommended.

SERVICING BLOWER

1. The blower contains no user serviceable parts internally.
2. The blower external intake filters must remain free of debris, and cleaned periodically. Remove the filter screens and clean with water or compressed air until pores are reopened. Make sure the filters are clean and dry before reinstalling.

Reference location of filters on figure #1:

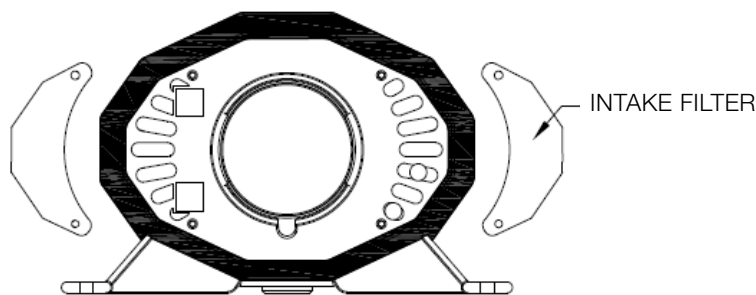


FIG. 1

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