

## **AQUA BREEZE OPERATING INSTRUCTIONS**

### **How does it work?**

Fresh outside air is drawn into the unit through a series of wet filter pads. This causes evaporation to take place and the resulting filtered and cooled fresh air is blown through the duct work and dispersed into the home. Your contractor determines the volume of air required to cool your home at the time of sale. Adequate air flow is essential for optimum operation of evaporative Cooling and it is necessary to exhaust air via open windows or doors. It is advisable that each room to be cooled has the window slightly open. This allows the cool air to flow from an outlet across the room and out via an open window. In some circumstances you can channel the air through the house by leaving a door/window open at one end of the house, however you should consult your contractor for the best way to do this.

### **HUMIDITY**

If outside air is particularly humid then the best result from your cooling unit maybe to run the unit on **FAN ONLY** mise (without operating the water pump). This is done by pressing the **FAN ONLY** button and then adjusting the fan speed To your desired setting using the **STEP** button

### **ELECTRONIC CONTROL**

The low voltage electronic control is designed to provide both automatic and manual operation. It provides the following features:

- Automatic Fan Speed Control in “**COOL**” Mode.
- Manual Fan Speed Override for “**COOL**” Mode
- Fan Only Mode for Ventilation
- Timer Control for automatic switch on/off

From the time you initially turn the unit on to the time you feel the first burst of Cool fresh air can take up to five minutes. During this preparation time the on/off Cool indicator light will flash.

### **OPERATION**

This section explains how to operate you Aqua Breeze evaporative cooler, and the Functions of each of the buttons featured on the wall controller. The controller features four buttons which are used to control the operation of the unit, and an array of lights which are used to display the settings of the unit.

### **STEP BUTTON**

Throughout these instructions reference is made to the **STEP** button which is used to Increment various features such as the comfort level, fan speed or the time after which The unit will turn on or off.

### **ON/OFF COOL BUTTON (AUTOMATIC MODE)**

Press the button marked **ON/OFF COOL** once and the sequence of events listed below will occur automatically.

- The indicator light beside the **ON/OFF COOL** will flash. The light will continue to flash while the unit fills with water and completes its pre-wet cycle.
- A range of lights will appear on the display. The top light indicates the current room temperature. The lower light flashing light indicates your Comfort level, one being the lower most light on display.
- Each press of the **STEP** button will change your required comfort level. For example, **comfort level two will cool less the comfort level one.** Comfort level one being the lower most light on display.
- The fan will not operate immediately.
- After the pre-wet cycle has completed the pump will continue to operate and the fan will come on automatically. The fan will adjust its own speed according to the difference in temperature between inside your house and your selected comfort level.
- As the room temperature nears the preset comfort level the fan will automatically adjust and the number of lights will decrease, indicating the lowering of temperature. As your house temperature rises the fan speed will automatically increase to reduce the temperature to your required comfort level. The desired comfort level is not always achievable, as the humidity of the outside environment is variable.
- To turn your unit off, simply press the **ON/OFF COOL** button once again.

If your mains power to the unit has **NOT** been turned off, the next time the **ON/OFF COOL** button is pressed the comfort level setting will be as last programmed.

If the mains power **HAS** been interrupted, the comfort level setting will revert back to the lowest setting when automatic cooling is next selected.

### **ON/OFF COOL BUTTON ( Manual Mode)**

In automatic mode the fan speed is computer controlled and may vary at times. You may wish to manually adjust the fan speed while in automatic mode. You can do this by pressing the **FAN ONLY** button. Pressing the **STEP** button will increase the fan speed to your desired speed. In this mode the display changes to show a continuous line of lights indicating the manually set fan speed. This overrides your automatic fan speed and allows the fan to operate at your speed setting until you further adjust the speed setting or turn the unit off. Should you wish to return to automatic cooling operation, press the **FAN ONLY** button once more.

### **FAN ONLY BUTTON**

The operation of the fan only is normally used to move fresh air through the house or on particularly humid days. To operate the fan only, press **FAN ONLY** button once, then press the **STEP** button to select the desired fan speed. The speed is displayed by a solid series of lights. The speed increases as you press the **STEP** button. The fan speed will increase as the lights illuminate in a clockwise direction.

## **RUN TIME BUTTON**

This button allows you to preset the time at which your cooler turns on or off. If the cooler is operating and you press the **RUN TIME** button, all the light Indicators will go blank. When the **STEP** button is pressed, the lowest most light will be illuminated. This indicates that the unit will turn off in one hour. Each subsequent press of the **STEP** button delays the unit turning off by one More hour to a maximum of ten hours. The turn off time is indicated by the lights moving clockwise around the dial. Press the **RUN TIME** button again to arm the unit to turn off at the time indicated. The display will return to the mode it was in before activating the **RUN TIME** button the first time. The light beside the **RUN TIME** button will now flash, indicating the number of hours left before the unit turns off. At ½ an hour to the turn off time the small yellow light beside the **RUN TIME** button will flash rapidly, until the unit turns off.

If the unit is not operating and the **RUN TIME** button is pressed this will allow you to set the time at which the unit will turn on. If you press the **STEP** button, the lowest most light will illuminate. This indicates that the unit will turn on in one hour. Each subsequent press of the **STEP** button delays the unit turning on by one more hour. The turn on time is indicated by the light moving clockwise around the dial. Press the **RUN TIME** button a second time to arm the unit the turn on at the required time. The light beside the **RUN TIME** button will flash, indicating the number of hours left before the unit turns on. At ½ an hour to the turn on time the small yellow light beside the **RUN TIME** will flash rapidly, until the unit turns on.

The lights beside the **ON/OFF COOL** and **FAN ONLY** buttons will not be illuminated, as the unit is not currently operating.

When the unit turns on, having counted down to the preset turn on time, the unit will operate at your last programmed setting in automatic mode.

Should you wish to cancel any timer settings simply press the **RUN TIME** button and the light indicator will return to the programmed timer setting. Now press the **STEP** button and the indicator light will move clockwise until no lights are illuminated. Press the **RUN TIME** button again to disarm time. The unit will return to the mode prior to timer setting.

## **DUMPING SYSTEM**

The Aqua Breeze range is fitted with an automatic dumping cycle that empties the water from the sump. After turning off the **ON/OFF COOL** button the indicator light will turn off and the fan will turn off. The water pump will continue for another two minutes to rinse out the pads and flush any dirt particles into the sump. Half an hour after the rinse cycle has finished the dump valve activates and the sump water is dumped from the unit leaving the unit clean and dry.

If the mains power is interrupted to the unit while in cooling mode, the water will be dumped from the unit after approximately one minute. Once the mains power is returned to the unit all previous setting will need to be re- programmed.

FOR TECHNICAL AND SERVICE SUPPORT PLEASE CALL 03 98002409.