



Digital Evaporative Cooler

Operating Instructions

Models: AB98, AB119, AB135, AB143, AB162, AB182



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INTRODUCTION

Thank you for purchasing a digital **Aqua Breeze** evaporative cooler. Please take some time to carefully read this operating guide so that you can gain maximum comfort from your cooler.

How does it work?

In the Victorian prevailing summer conditions the Aqua Breeze evaporative coolers are able to reduce maximum 12-14 degree Centigrade from the outside air temperature, if the cooler is working properly. The level of comfort in a particular house depends largely on the cooler model and how it is installed. However, the comfort level can further be enhanced if you pre-set the comfort conditions of your choice on the wall controller properly, nevertheless, the cooler works as follows--

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 ducting system 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 the outside air is too humid then the best result from your cooling unit may come when you run it on **Fan only**, or **Fan auto** mode (without operating the water pump). This is done by pressing the **Fan** button and then adjusting the fan speed to your desired fan speed by pressing the **Step** button.

OPERATION

Although operating instructions are briefly summarised on the back of the door of the wall controller mounted on your wall, nevertheless, this section explains how your Aqua Breeze evaporative cooler operates and how the functions of each of the buttons work on the wall controller. Now the new generation Aqua Breeze cooler comes with a standard digital wall controller fitted mostly with Blue back lit display that preferably shows White bold text on it. The digital wall controller is operated through four buttons which offer the following features for your comfort setting-

Digital Wall Controller



Auto-Cool Mode- To operate your Aqua Breeze in automatic mode press On/Off button once- Orange light will flash and “Cool Auto and Wait with current room temperature” will appear on the screen. As the cooler prepares for operation- filling water and washing pads, it will take about two minutes before the flashing light stops to give you fresh, cool, and filtered air. Press On/Off button again if you want to switch the cooler off. You can select the Pre-set Temperature for your comfort just by pressing the Step button and set the room temperature mostly between 20- 25 degree Celcius. Fan speed is computer controlled in auto mode, and you can not change it unless you go to the Cooling in Manual Mode, which is the next feature.

Cooling in Manual Mode- If you think it is too cool or air flow is too much you can turn the cooler to manual cooling mode to be able to control the flow of your choice. Press the On-Off button once and then press ‘Fan’ button, the screen will show- “Cool Man with current room temperature”. Press the Step button to select the fan speed of your choice, 5-7 is quite normal speed. Pressing and holding the Step button will change the direction of change of the fan speed.

Fan Only- If you do not want cooling and wish to run fan only, as may happen in the cool evenings to just bring the natural breeze from outside, press the ‘Fan’ button only, an orange light next to the button will light up. Press the Step button to set the fan speed that will show on the display. Continuous holding Step button will reverse increasing or decreasing the numbers. Press ‘Fan Only’ again if you want to switch the fan off.

Auto Fan Mode- This function enables you to pre-set the room temperature of your choice without running water over the pads, and the fan will keep running until the pre-set temperature is reached. This situation might be useful in the cool nights when you would want to introduce the fresh breeze to the house to reach to a pre-set temperature without the use of water cycle in the cooler.

Timer selection- The digital wall controller offers timers in mainly two functions- Run time/Sleep time"- just press the Timer button once and then press the Step button to assign the time period in hrs to run the cooler for. At any time value on the screen in hrs the tiny globe next to the timer button will light up –that means the timer is on and the Aqua Breeze cooler will switch off automatically after the assigned time is expired.

The Delayed Start Timer- You can pre-set the timer for the Aqua Breeze cooler to run in the last operation in your absence after 1-9 hours. The feature might be useful when you want the cooler to start just only few hours before you come back home from office or shopping after long hrs. This is how it works- you want the cooler to run in auto-cool mode after 6 hrs of your absence. Switch-off the cooler in Auto-cool mode. Press the Timer button and then press the Step button to assign 6 hrs, that will display on the screen. The timer light will be on and the cooler will start after 6 hrs. Same way you can pre-set the delayed start timer for the cooler to run in 'Auto Fan' mode or 'Fan Only' mode.

If a fault persists switch off the cooler and re-start the cooler, this should correct some obvious errors.

If the cooler does not start at all please call your installer first or call - Eco Pacific service centre on Tel (03) 9706 6228

Dumping System

The Aqua Breeze range is fitted with an automatic dumping system 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. This means the unit will remain dry when not in use.

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 settings will need to be re-programmed

Warranty

Every Aqua Breeze cooler comes with a three (3) year operational warranty (including labour) in the Melbourne metropolitan area and a ten (10) year structural warranty on pro-rata basis. For the installations beyond Melbourne metro only parts warranty applies. This warranty does not include the filter pads, and does not apply on damage to the unit during transport and handling, and damage in abnormal weather conditions.

Please sign the warranty card and mail it to the Eco Pacific office to register your model details so that we can look after your cooler free of charge during the valid warranty period.

Maintenance

Regular maintenance is essential to ensure your evaporative cooler operates

at maximum efficiency and comfort levels. To ensure your evaporative cooler remains in good working condition for many years it should be serviced at least every two years to clean the pads and the inner base.

End of Season Maintenance

1. Turn OFF the mains power at the isolating switch.
2. Turn OFF the mains water supply.
3. To clean the pads, remove the louvers by unscrewing the thumb nuts. Pull pad assembly outwards. Clean the surfaces thoroughly with a soft wet cloth or sponge.
4. Clean the water tank/sump thoroughly.
5. Clean the fan blades properly.
6. To replace the louvre panels locate the thumb nuts to screw on to the nutsert holes on the Aluminium corner posts. When replacing the thumb nut the rubber washer on its inner side should be pressed hard enough for thumb nut to go in the nutsert hole maximum so as to harness the louvers properly.

Your unit Information: (Installer has to complete)

Model No: _____

Serial No: _____

Installer: _____

Date Installed: ___/___/___

This information is needed at the time of service to the cooler.

Call Eco Pacific for service on (03) 9706 6228

Note: This manual represents the product at the time of printing, however due to ongoing research and development variations to this product are possible. Eco Pacific always endeavours to provide accurate information with all products sold. Please contact our service department should you experience operating difficulties.