

# COOLING

## Owner's Manual



**PLEASE READ THESE INSTRUCTIONS CAREFULLY BEFORE USE**

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*a Rinnai company*

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## Introduction

Congratulations on your purchase of a Brivis Cooling system. For you to achieve the performance and efficiency expected from your new cooler, please ensure the installer is a qualified trades person, that the installer has commissioned the unit before you commence operating, and you take the time to read the contents of this manual.

In some Australian States it is mandatory that your cooler installation is issued with a certificate of compliance to guarantee the installation workmanship. Please check with your installer or the local plumbing authority or association. The Brivis cooler is covered by the product warranty as outlined in this manual.

Brivis products are renowned for providing years of trouble free performance. However, that doesn't mean that they will operate at their peak for all of that time without some attention. To be at their most efficient they, like most things, need a little care. So, to ensure that every Brivis unit is always in perfect condition, we have established the Brivis Care Program for our valued customers.

The Brivis Care Program provides you with a maintenance service. This service includes cleaning the unit and ensuring that the system is operating at maximum efficiency. Not only does this guarantee peak performance, it also allows any minor problems to be detected early. This ensures that the system will always be ready when you need it.

## Privacy Notification

Brivis Climate Systems Pty Ltd is the registered owner of the Brivis brand. Brivis will collect "personal information" from you when you complete your warranty and maintenance registration form. This personal information is collected under the guidance of the Privacy Information Protection Act 1998. The purpose of collecting this information is to:

- Process your request for us to provide service activities for you;
- Register your purchase of equipment for warranty;
- Register your request for a survey/quotation for Heating Ventilation Air Conditioning goods and services.

The intended recipients of the information are:

- Employees of Brivis.
- Federal and State Governments who may require the information for administration purposes.

While the supply of the information by you is voluntary, if you cannot provide or do not wish to provide the information sought, Brivis may not be able to provide the services you request. If you have already provided information but have changed your mind and do not want the information used, you may make application for access or amendment for that information not to be used.

You have a right of access to, and correction of, the information concerning yourself in accordance with the relevant procedures under the Act.

Enquiries concerning this matter can be addressed to the Business Practices Officer of Brivis, who can be contacted on 1300 BRIVIS.

## How does your evaporative cooling work?

The amount of cooling available from any type of cooling system is dependent on the outside weather conditions. Your evaporative cooler works best on hot, dry days. It is essential to provide the required amount of ventilation (for your evaporative cooling system to function properly) by opening windows/doors whenever the cooler is operating. Air is drawn in through the filter pads resulting in 100% fresh cool air entering the home. The movement of this cooled air through your home will draw the heat out of the house, so be sure that doors or windows are open to expel this heat to outside. Whenever possible start the cooler early to prevent the build up of heat within the house, and on sultry or humid days your cooler may work better with the fan ONLY running and the pump turned OFF. Stale air, cigarette smoke and fumes can be quickly cleared and replaced with fresh air by turning the fan to manual mode.

## Before operating your Brivis Evaporative Cooler

Make sure enough window and/or door area is open for the unit to work correctly. The following table gives a guide to the amount of open area required for each model in m<sup>2</sup>, and also gives suggestions on how to provide this.

This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

Children should be supervised to ensure that they do not play with the appliance.

## Safety Warnings

- Do not place any articles on or against this appliance
- Do not use or store flammable materials near this appliance
- Do not spray aerosols in the vicinity of this appliance while it is in operation
- Do not modify this appliance

## The air smells a little different. Why?

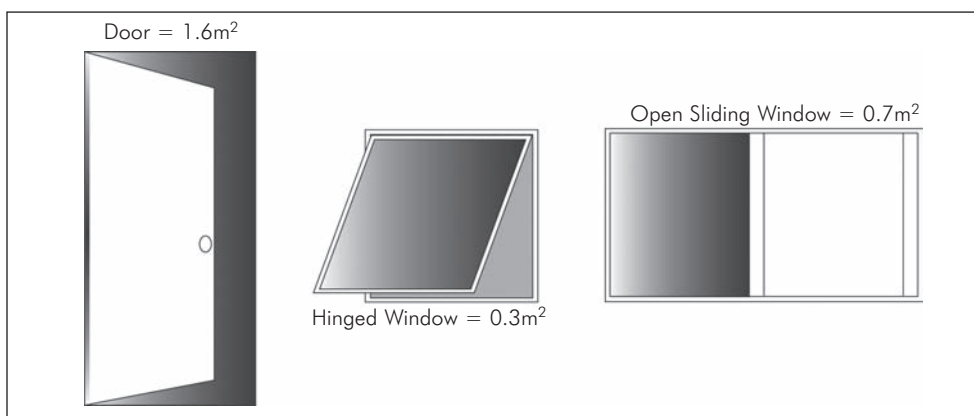
New Cooling pads can give off a mild odour while they are settling in. This is quite normal, it will dissipate quickly as the new pad is constantly flushed during use.

## Openings Required

**Table 1. Opening required for each model.**

Model				Number of average size windows & doors (suggestions only)	Highest Fan Setting	Lowest Fan Setting
Brivis Contour Series	Brivis Promina Series	Brivis Advance	Brivis AD Series			
L26	P26	F26D		Two sliding windows or Five hinged windows	1.5 m <sup>2</sup>	0.9 m <sup>2</sup>
L36	P36	F36D		One door and a hinged window	1.9 m <sup>2</sup>	1.1 m <sup>2</sup>
L46	P46 & P56	F46D F56D	AD56, AD56D	Three sliding windows or one door & two hinged windows	2.3 m <sup>2</sup>	1.4 m <sup>2</sup>
L56	P66	F66D	AD66, AD66D	Four sliding windows or one door and four hinged windows	2.8 m <sup>2</sup>	1.7 m <sup>2</sup>
L66	P76	F76D	AD76, AD76D	Five sliding windows or one door and five hinged windows	3.1 m <sup>2</sup>	1.9 m <sup>2</sup>
L76		F86D	AD86, AD86D	Six sliding windows or one door and six hinged windows	3.4 m <sup>2</sup>	2.1 m <sup>2</sup>

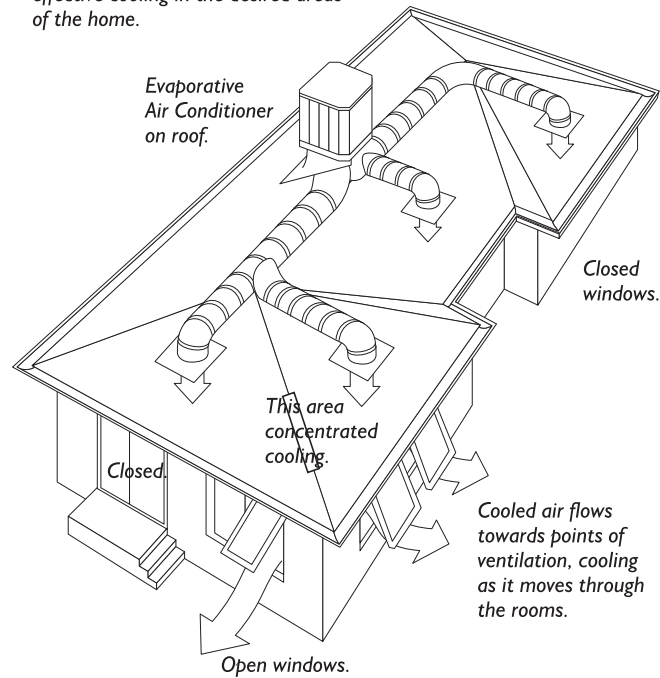
Average ventilation area provided by various openings, when fully opened.



**Note:** You can also choose to have these openings only halfway open. Please note, the opening will only provide half the amount of ventilation shown above and more openings would be required. To cool your whole house, you need windows and / or doors open throughout the house. If you wish to concentrate your cooling to a select area, simply concentrate all the required ventilation in the targeted area. (See following illustration).

On hot, windy days, ensure that the windows and /or doors open for ventilation are on the sheltered side of the house.

*Illustration shows method of getting effective cooling in the desired areas of the home.*



## Operating your evaporative cooler

### Start up

When the cooling is first turned ON, there will normally be a delay before the cool air is delivered from the duct outlets. The delay will vary depending on the model of cooler, but this doesn't mean the cooler is not operating. Most models have pre-programmed function times, to allow time to fill the Cooler's tank with water and/or Pre-wet the filter pads. Brivis Contour models have an additional delay to allow time to open the ServoSeal damper. The entire process can take up to 8 minutes before cool air is expected from the duct outlets.

### Shut down

On Brivis Advance, Brivis Promina, Brivis Contour, and Brivis AD (when fitted with optional dump valve) units, there is also a delay in emptying the water from the Cooler's tank for a period after the unit has turned OFF at the end of use. Brivis Advance, Brivis Promina and Brivis Contour models have an additional pre-programmed tank wash cycle (flush). This washes the tank with clean water at the end of use. At the same time Brivis Contour models will also close the motorised ServoSeal damper, which seals the ducting, reducing drafts. The ServoSeal and flush will occur approx 1 hour after the unit has been turned off.

### On humid days

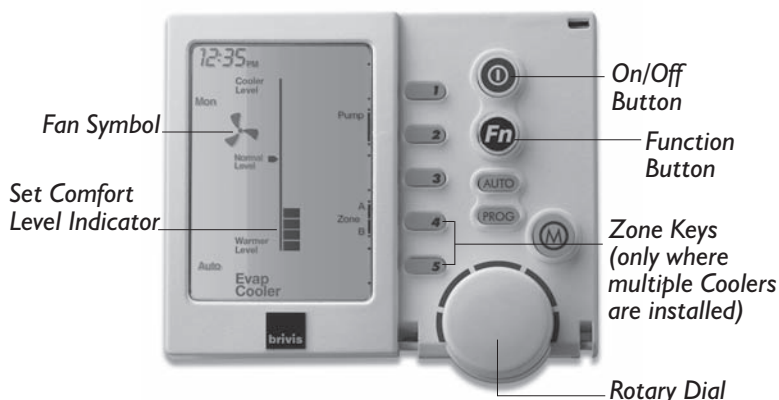
On days of high humidity your evaporative cooler works best with the fan on high and perhaps the pump switch turned off. If moisture is building up on tiled or hard surface areas, ensure that airflow from the outlets is directed across the ceiling rather than down towards the floor. Also ensure that you have enough windows and/or doors open.





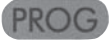







### Ceiling Vents Location

Vents should be set up so the air is directed across the ceiling. However they should not be restrictive and the vents should also be directed to disperse air evenly around the room depending on the location of the vent.

## Operating your Bravis Networker Wall Control

The Bravis Networker wall control operates the complete cooling system, communicating key information and sensing the temperature. It is an important part of the unit and the following text will explain its operation.



Symbol	Description
	<b>The On/Off Button</b> This is the button to turn the Bravis Networker ON or OFF.
	<b>The Function Key (Fn)</b> The function key, when used in conjunction with keys 1 & 2 allows the user to perform specialised functions such as message repeating & Bravis Networker locking.
	<b>The Mode Key</b> If a Bravis Heater and Cooler are connected to the Bravis Networker, this key allows you to switch between them. When an appliance is selected the mode of the appliance will appear at the bottom of the screen e.g. 'Evap Cooler'.
	<b>Heartbeat</b> A flashing heart icon in the bottom right hand corner indicates that the room temperature is being sensed from this Bravis Networker.
	<b>Program Key</b> This control key is used to set the Bravis Networker's automatic program.
	<b>Auto Key</b> The auto function allows the user to switch between the AutoProgram and the Manual Operation.
	<b>The Rotary Dial</b> This Dial is used to change the Cooler (or Heater, if fitted) settings.
	<b>Variable Keys</b> The keys numbered 1-5 vary their function depending on the program or mode displayed. They will only have a function if text appears on the screen beside the key & a black rectangular box. (Keys used for zoning function may also display an arrow)
	<b>Water Droplets</b> The two alternating water droplets indicate that the cooler pump is turned on.
	<b>Fan Symbol</b> When the fan is flashing it indicates the unit is in pre-wet mode. When the fan is rotating it indicates the fan is turned on.
	<b>Thermometer</b> In auto mode the thermometer indicates the set comfort level. In manual mode the thermometer indicates the set fan speed.
	<b>Padlock Symbol</b> The padlock symbol indicates the child proof lock has been set. For more information refer to the section Locking the Bravis Networker.

### The Display Screen

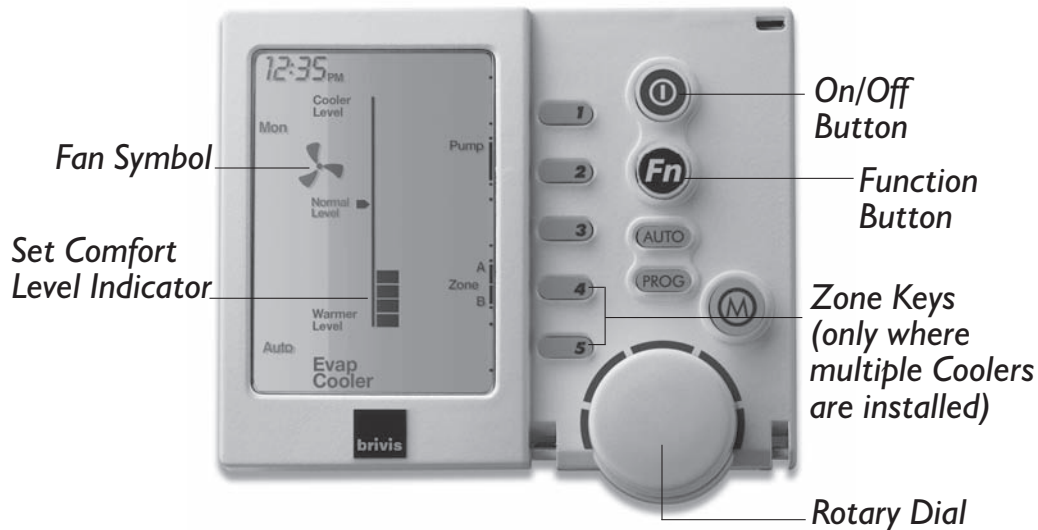
- Provides you with information about the system. The screen shows the current time via a Digital Clock in the top left corner, the Day of the Week on the left-hand side, and the type of Appliance selected at the bottom.
- The display will also show scrolling messages across the top of the screen. The messages usually relate to a certain action such as cooler Pre-Wet which shows - "Pre-Wetting cooler pads - Please Wait!"

## Automatic Pre-Wet

When the Cooler is turned ON, with both the fan and the pump in either Auto or Manual mode, the Cooler will start a Pre-Wet automatically. The Pre-Wet stage ensures the pads are thoroughly wet before the fan starts. This prevents warm air being initially blown into your home and contributes to the effective operation and performance of the Cooler. The Pre-Wet time will vary depending on how long the Cooler has been OFF, and whether it needs to fill the tank prior to operation. During the Pre-Wet the message "Pre-Wetting cooler pads - Please Wait!" will scroll across the top of the display.

## Automatic Operation

In Auto mode the Bravis Networker automatically turns the pump ON or OFF as required and varies the fan speed to maintain your selected "comfort level."



To run the unit in Auto mode, just follow these easy steps:

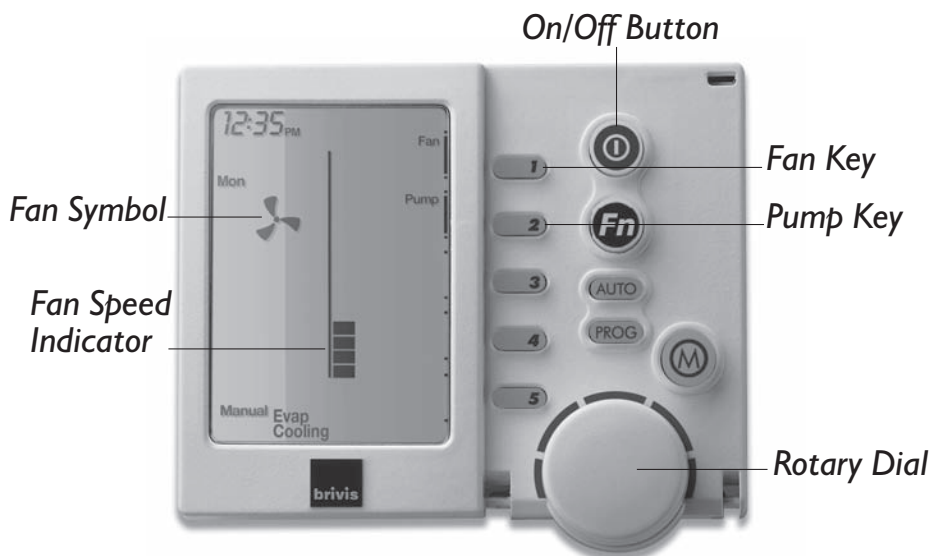
- Turn the Bravis Networker on using the ON/OFF button.
- Press the Auto key until "Auto" appears on the screen.
- Rotate the round dial to set the comfort level you desire (up to have a cooler comfort level and down to have a warmer comfort level).

**Note:** It will take approximately 8 minutes for the Cooler to complete the pre-wet before the fan will turn on. The next time you return to "Auto" these steps will not be necessary because the Bravis Networker remembers your previous settings.

## Benefits of using Bravis coolers in Auto mode in preference to Manual mode

- Power and water consumption varies in relation to the chosen comfort level. This comfort level cannot be as easily maintained in Manual mode.
- In Auto Mode the unit operates only when it is required.
- Enables a set comfort level to be maintained automatically as the outside / inside temperature conditions change.
- It allows you to pre-set the cooler to turn ON early and not let the house build up heat.
- The outlet airflow noise is kept to a minimum, as the fan speed is only as fast as required to maintain the set comfort level. This slower speed also results in more efficient saturation of the Cooler filter pads, and a cooler outlet air temperature.

## Manual Operation



Manual operation enables you to control the fan, its speed, and the pump manually. To run the Cooler in Manual mode, just follow these steps:

- Turn the Bravis Networker on using the ON/OFF button.
- Press the Auto key until "MANUAL" appears on the screen.
- Press key 1 to turn the fan on (if the symbol of the fan is not on the screen).
- Press key 2 to turn the pump on (if the symbol of the water droplets is not on the screen).
- Rotate the round dial to set the fan speed level you desire. (up to increase the fan speed and down to decrease the fan speed.) The message "Pre-Wetting cooler pads – Please Wait!" will scroll across the display. It will take approximately 8 minutes for the unit to complete the pre-wet before the fan will turn on.

**Note:** On days of high humidity the fan may be operated without the pump. To turn the pump OFF press key 2 and the water droplets will disappear. The next time you return to Manual these steps will not be necessary because the Bravis Networker remembers your previous settings.

## Using the Timer

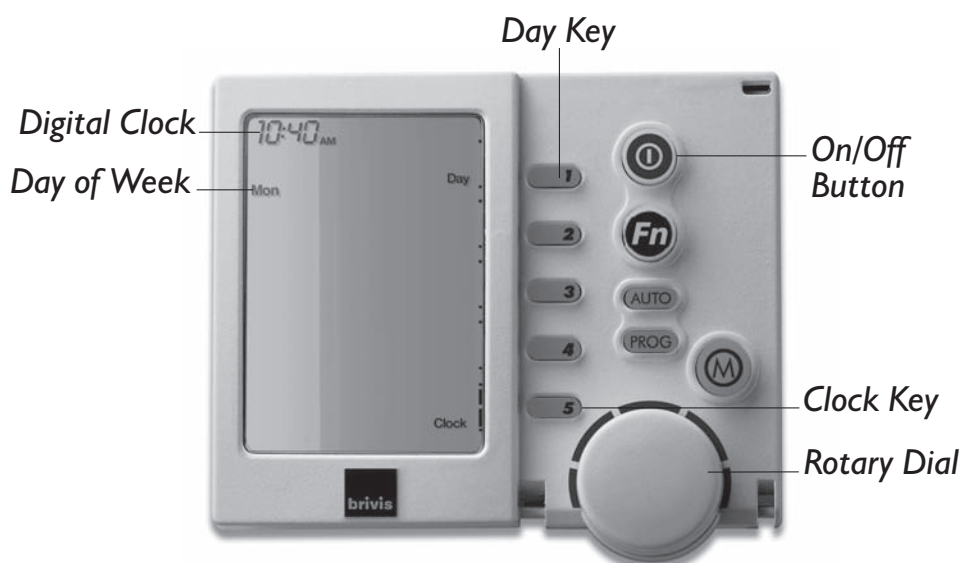


When the Cooler is operating, you can pre-set a time for the Timer to turn the Cooler OFF. Also, when the Cooler is turned OFF, you can select a time for the Timer to turn it ON automatically. So if you are out for the day you can set the Cooler to come on and cool the house before you return. To use the timer function you firstly need to set the time and day.

**Caution:** If the pump is going to be used, adequate ventilation (openings) needs to be provided to prevent condensation build up.



## Setting the Time & Day



- To set the Time and/or Day the Bravis Networker must be **turned OFF** using the ON/OFF button.
- Press Key 5 (clock) and the screen will display the message "Clock setting mode", and then the Digital Clock will flash.
- Use the Rotary Dial to select the right time.
- Press key 1 until the correct day appears eg: Mon.
- Press Key 5 (clock) again to save the changes.

**Note:** If you have dual Bravis Networkers installed, only the Master control has the ability to set the clock time. The Master control can be identified by the word "clock" beside Key 5, while the Bravis Networkers are in the off position.

## Setting the Cooler to turn itself ON

- Press the PROG key and the display will flash ON TIME and the word PROGRAM.
- Rotate the round dial to set the ON TIME ie. the time you want the Cooler to come ON.
- You can change the settings the cooler will run at here. If in Manual mode, rotate the round dial to adjust the fan speed and press key 2 to turn the pump ON or OFF. If in Auto mode, rotate the round dial to adjust the comfort level.
- Press key 3 to activate the Timer.
- Press the PROG key to exit and save your setting.

**Note:** The ON TIME key remains displayed. To cancel the Timer press key 3.

## Setting the Cooler to turn itself OFF

If the Cooler is ON and you want to set a time for it to turn OFF, the steps are almost the same as above (**Note:** the cooler must be turned on).

- Press the PROG key and the display will flash OFF TIME and the word PROGRAM.
- Rotate the round dial to set the OFF TIME ie. the time you want the Cooler to turn OFF.
- Press key 3 to activate the Timer.
- Press the PROG key to exit and save your setting.

**Note:** The OFF TIME key remains displayed. To cancel the Timer press key 3.

## Checking your Timer Settings

Once Timer settings are made you can review or cancel them in a number of ways:

- The words On Time or Off Time will remain on the screen to show that the Bravis Networker is now holding your pre-set ON or OFF time.
- If you want to check what you've done, press the PROG key and the pre-set time will flash. You can now make adjustments to your settings if required.
- If you change your mind and want to cancel the function, press the On Time/Off Time Key 3 and this will cancel the function.
- To exit this setting program push either the On/Off button or the PROG key. Once again the Bravis Networker remembers the last setting and the next time you select the Timer it will go to that same setting.

## Message repeating

Push the FUNCTION button then Key 1 immediately after to repeat a message. **Note:** If no message repeats it means either the button combination was incorrect or the event has passed. Typical messages displayed advise of some appliance operations such as - "Pre-Wetting cooler pads - Please Wait!"

## Coded Messages



While the Brivis Networker is operating your system, it is also monitoring and controlling every aspect of the system's performance. If anything unusual occurs, the Brivis Networker will display an error message.

- A message stating "Cooler Fault - E01 Code #?? For assistance call 1300 BRIVIS" will scroll across the top of the screen. Note: The message will vary depending on the problem.
- Whenever such a message appears, it is a good idea to write it down before doing anything else. This code contains information that will enable Brivis to deal quickly and easily with anything that requires their attention. With many of them you will be asked to contact Brivis Service and pass on the message, the model and the type of appliance.

## Service Notification Message

When the operating hours logged for an appliance exceeds the predetermined period, the Networker wall control displays the following messages:

### For Australia:

"Fan run hours indicate it is time for a service call - For assistance call **1300 Brivis**"

### For New Zealand:

"Fan run hours indicate it is time for a service call - For assistance call **0800 427 484**"

The Spanner Icon  will flash once every second on the Networker wall control display. You may book a service call or clear the spanner icon notification by pressing Key "4" on the Master Controller.

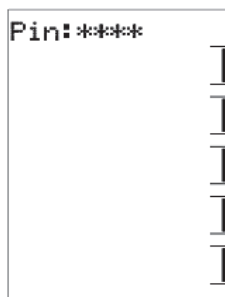
## Resetting

If something has interrupted the units operation, the word Reset may appear beside Key 4 while a message is scrolling. Press Key 4 to re-start the Cooler. If the Cooler does not resume normal operation, or the error message re-appears, contact Brivis Service. If the Cooler is still operating but the Brivis Networker is showing an error message try pushing the Reset Key 4 to clear the fault. If the fault persists contact Brivis Service. If the Cooler is not operating and any other error message appears, contact Brivis Service.

## Locking the Brivis Networker

To prevent any unwanted alterations being made to the coolers settings, the Brivis Networker can be locked via a 4-digit PIN number. In the case of dual Brivis Networkers, if one is locked the other is also locked. If dual Brivis Networkers are installed, the user pin numbers can only be set at the Master Brivis Networker. The Slave Brivis Networker can only lock and unlock the system and cannot access the pin numbers.

## Setting the PIN



- Press the **FUNCTION** button, followed immediately by **Key 2**. The screen will then display “Enter Your PIN number to lock the system”. **DO NOT** enter numbers at this stage, please continue to the next step.
- Push the **MODE** key once. The screen will now display “User PIN reset – Enter master PIN”. **DO NOT** enter numbers at this stage, please continue to the next step.
- Push the **MODE** key once again. The screen will now display the message “User PIN number 1 alteration - Enter current PIN”. If this is the first time for setting the PIN, the current PIN will be “1111”. If the PIN has been previously altered then enter your current PIN.
- The screen will then display the message, “Enter the new PIN”.
- Enter your new 4-digit PIN number using a combination of Keys 1-5. The screen will now display, “Repeat the entry of the new PIN”.
- Providing you re-enter the new PIN correctly, the screen will now display “Valid PIN – PIN altered”.
- If an incorrect number is entered press the auto key to clear all digits, then re-enter your user PIN number.
- To exit this area at any time, just push the **ON/OFF** key.

### To Lock the Brivis Networker

- Press the **FUNCTION** button, followed immediately by **Key 2**. The screen will now display “Enter Your PIN to lock the system”.
- Enter your current user PIN to lock the Brivis Networker. The screen will now display “System locked out!”
- If an incorrect number is entered, press the auto key to clear all digits, then re-enter your PIN.
- A flashing padlock icon indicates that the Brivis Networker is locked.

### To Unlock the Brivis Networker

- Press the **FUNCTION** button followed immediately by **Key 2**. The screen will now display “Enter Your PIN to unlock the system”.
- Enter your current user PIN to unlock the Brivis Networker. The screen will now display the message “System unlocked!”
- If an incorrect number is entered press the auto key to clear all digits, then re-enter your PIN.

**Note:** If an invalid PIN is entered, the message “Invalid PIN entered - Try again” will scroll across the screen. The user has three attempts at entering a valid PIN. On the third failed attempt the message “Invalid PIN entered!” will be displayed. At this point the Brivis Networker will abort the PIN entry screen, and return to its original state. You will then need to repeat the process.

## Zoning

Some systems may include multiple Coolers with each operating in a different zone area. Zone keys will appear on the screen and these will have been set up and explained by the installer where required. These zones can be operated in either “Manual” or “Auto” modes using the Zone keys (keys 4 & 5). Two Zone keys will appear if you have three or four zones and only one Zone key will appear if you have one or two.

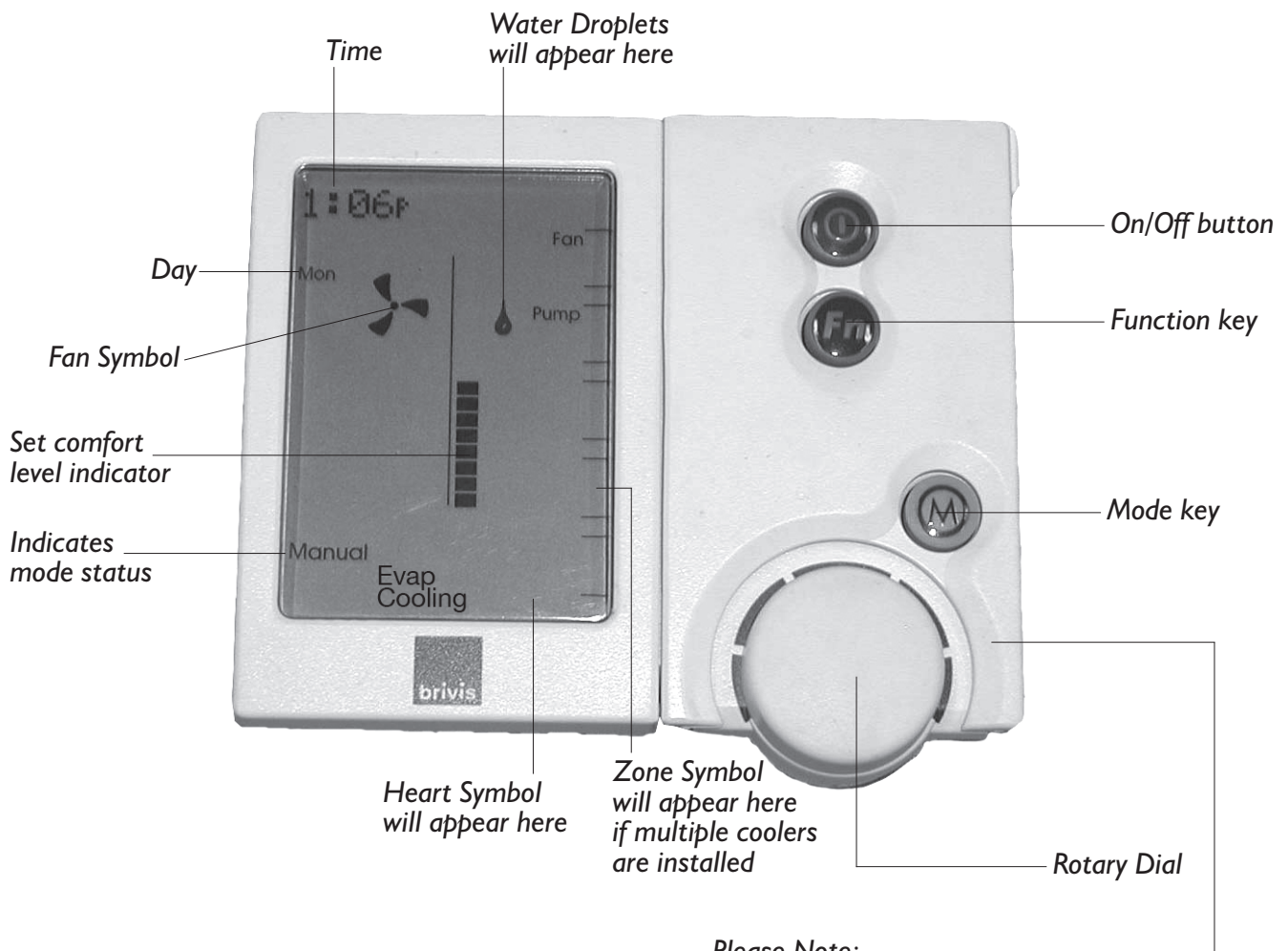
## Dual Brivis Networker Operation

It is possible to have two Brivis Networkers connected to the system. The two Brivis Networkers will operate together. One will be configured as a Master and the other as a Slave, and the settings for the Cooler will be common on both controllers. The benefit of having two controllers is the convenience of making adjustments to the Cooler settings. If an adjustment is made on one of the Brivis Networkers it is immediately reflected on the other Brivis Networker. When locking one of the Brivis Networkers the other one will also be locked, and the system can be unlocked at either Brivis Networker. In AUTO mode, only the Master Brivis Networker will sense the comfort level within the house.

**Note:** Only the Master Brivis Networker has the ability to set the clock time. Look for the word "clock" beside Key 5, while both the Brivis Networkers are in the off position.

## Batteries

The Brivis Networker requires no batteries. If the Brivis Networker has no screen, check your 240 volt power supply (at the Cooler) or check the thermostat cable.



**Please Note:** This picture displays the lid closed. To reveal more keys flip down the lid from the top right hand corner.

## Operating your Programmable Wall Control



This Wall Control gives the choice of Automatic or Manual modes with the option of a time ON or OFF delay.

### Automatic Pre-Wet

When the cooler is turned on with both the fan and the pump, in either Auto or Manual mode, the cooler will start a Pre-Wet stage to ensure the pads are thoroughly wet before the fan starts. This contributes to the effective operation and performance of the cooler. The Pre-Wet time will vary depending on how long the cooler has been OFF, and whether it needs to fill the tank prior to operation.

### Operating Modes

The cooler has several operating modes, which are as follows:

1. Auto mode
2. Manual mode Fan and Pump
3. Manual mode Fan only
4. Manual mode Pump only.

Push the **MODE** key to cycle through the cooler's operating modes.

**Note:** The wall control will remember previously established settings in Auto and Manual Modes.

### Auto Operation

In AUTO mode the Programmable Wall Control automatically operates the cooler (fan speed and pump) to maintain the selected 'comfort level'. The cooler may even turn OFF if the conditions meet the comfort level setting.

### Getting Started

Begin by pressing the On/Off key to turn the Cooler on. If the Auto light is illuminated, the system is set for Automatic operation, otherwise:

- Press the mode key to cycle through the Cooler's operating modes, until the Auto light is illuminated.
- Push the UP and DOWN keys to select the comfort level you require. The lower the number, the cooler the setting; the higher the number, the warmer the setting.

### Benefits of using Brivis coolers in AUTO mode in preference to Manual mode

- Power and water consumption varies in relation to the chosen comfort level.
- This comfort level cannot be as easily maintained in Manual mode.
- In auto mode the unit operates only when it is required.
- Enables a set comfort level to be maintained automatically as the outdoor / indoor temperature conditions change.
- Allows you to pre-set the cooler to turn ON early and not let the house build up heat.
- The outlet airflow noise is kept to a minimum, as the fan speed is only as fast as required to maintain the set comfort level. This slower speed also results in more efficient saturation of the cooler filter pads, and a cooler outlet air temperature.

## Manual Operation

Manual operation requires you to manually control the fan, its speed, and the pump.

### Getting started

Begin by pressing the ON/OFF key to turn the Cooler on. For Manual operation the AUTO light must not be illuminated.

- Push the MODE key to cycle through the cooler's operating modes.

### Fan and Pump

This is indicated by the illuminated Fan and Pump lights. The screen will then display a number, which indicates the cooler fan speed.

- Push the UP and DOWN keys to raise and lower the cooler's fan speed.

**Note:** The fan light will flash during the Pre-Wet period.

### Fan only

This is indicated by the illuminated FAN light. The screen will then display a number, which indicates the cooler's fan speed.

- Push the UP and DOWN keys to raise and lower the cooler's fan speed.

**Note:** On days of high humidity the fan may be operated without the pump. For ventilation only, operate the cooler in this mode.

### Pump only

This is indicated by the illuminated PUMP light. Only the pump will be running in this mode, and no air will be circulating.

### Using the Timer

This wall control has a timer function that can delay the operation of the ON/OFF key. If the cooler is operating, you can pre-set the timer for the cooler to turn Off. If the cooler is off you can pre-set the timer for the cooler to turn On. The timer is set in 1-hour increments, ranging from 1 to 12 hours. When setting the timer to turn the cooler on, the wall control returns to the settings it had when it last operated. To check or adjust these settings turn the wall control on, make any adjustments if necessary, then turn the wall control off and set the Timer. When setting the timer to turn the cooler off, have the cooler running at your desired settings and set the timer.

### Setting the Timer

- Press the TIMER key to enter the timer setting mode. The timer light will now be flashing and the screen will display a number.
- Push the UP and DOWN keys to set the delay in hours. The timer delay can only be adjusted while the timer light is flashing.
- To cancel the timer push the TIMER key twice or push the ON/OFF key.
- After the timer has been set, leave the controller for five seconds until the timer light stops flashing.

### Operating Your Manual Wall Control

The Manual Wall Control requires you to manually control the fan and fan speed, and the Pump and Pre-Wet Function.

- Push the ON/OFF key to turn the controller on.
- Push the Cool switch to the ON position. This will operate the pump.
- Pre-Wet the filter pads by turning the Cool switch on 5–10 minutes before switching the fan ON. This will provide maximum cooling immediately when the fan is switched ON.
- Turn the Fan switch ON.
- Rotate the Fan Speed dial to the airflow level you desire.



**Note:** On days of high humidity the fan may be operated without the pump. For ventilation only, turn the Cool switch OFF which turns the pump OFF.

## Brivis Customer Care Program

Brivis products are renowned for providing years of trouble free performance. However, that doesn't mean that they will perform at their peak all of that time without some attention. To be at their most efficient they, like most things, need a little care. So to ensure that every Brivis unit is always in perfect condition we have established the Brivis Care Program for our valued customers.

When you are a member of our Care Program you will receive a courtesy call regarding maintenance service to your unit. This service includes cleaning the unit and ensuring that the system is operating at maximum efficiency. Not only does this guarantee peak performance, it also allows any minor problems to be detected early. Which ensures that the system will always be ready when you need it.

If something needs more than just maintenance it can be attended to at the time of the service (additional charges may apply). This repair will be guaranteed for 3 months labour, and 12 months parts.

## Cooler Service & Maintenance

To ensure that your Brivis cooler continues to operate at peak efficiency, it should be serviced at **two year** intervals by an authorised person trained in the service of Brivis coolers - please contact our National Care Centre, for authorised Brivis Service Technicians. Refer to the back of this manual for contact details.

AD-BAL coolers are fitted with a mesh over the pads. To maintain the cooler's performance the mesh must be inspected & cleaned at regular intervals, depending on the amount of use of the unit & the environment in which it operates.

This service of the cooler unit will include all maintenance and adjustments required to the following components to ensure your cooler runs at its peak efficiency:

- Trough
- Electronic Controls, e.g. Sensors
- Fan and Pump Assembly
- Pads and Water Distribution
- Ember protective guards for AD BAL units

**Please note that to maintain your warranty, the above servicing needs to be conducted by an authorised person trained in the service of Brivis Coolers. Please contact our Brivis Service Department for an authorised Brivis Service Technician.**

**Note:** Service maintenance is not covered under warranty and is a chargeable service. All coolers must have safe and reasonable access and be installed in compliance with the installation instructions supplied with the unit. Some installations may require two service personnel to attend, in accordance with Health & Safety requirements.

## BEFORE YOU CALL FOR SERVICE OR ASSISTANCE ...

Service calls can often be avoided!

If you feel your cooler is not operating properly, please check these possible causes first:

### Troubleshooting

- Check the water supply to the unit is turned ON.
- Ensure the pump is operating and visually check the pads for even water distribution.
- Check that the number of doors and windows open is sufficient within the targeted cooling area. Too many or not enough doors and windows opened in the targeted area could result in inadequate ventilation. This could result in poor cooling performance.
- Check that the fan operates and air is coming out from the duct outlet.
- Check that the filter pads are not damaged and/or the material hasn't deteriorated.
- If external weather conditions are excessively humid, the cooler may not perform at its optimal cooling level.

If the fan will not start.

- Check if the power is ON.
- Check if the Wall Control is turned ON, and set the comfort level that requires the Cooler fan to operate.
- Check that the fan is not in Time Delay Mode caused by: pre-programmed times for the ServoSeal damper (Brivis Contour only) and motorised drain (Brivis Advance, Brivis Promina & Brivis Contour models only) to open, the Cooler's tank to fill with water, or a pre-wet of the filter pads.
- Check the fuse in the meter box.

**Note:** The usual time delay can be up to 8 Minutes.

## Troubleshooting continued

### Problem

*The unit will not turn on*

*The unit is blowing warm air*

*An error message is appearing on the Brivis Networker*

*The Brivis Networker display is blank*

*The unit is not cooling very well*

*There is no air coming out of some vents*

*There is moisture on my tiles*

*The padlock is appearing on the screen*

### Action

Check the circuit breaker has not been tripped - if so reset it.  
Reset the Cooler at the power supply.

Check the water supply tap is turned on at the unit.  
Check the pump has been selected on the wall control.

Refer to the section on 'Coded Messages' and follow the checks.  
Check the power point is plugged in and turned on to the Cooler.

Check there is power to the power point with another appliance.  
Check the circuit breaker has not been tripped - if so reset it.

Check the water supply tap is turned on at the Cooler. Check the pump has been selected on the wall control. Check sufficient door and/or windows have been opened. Refer to Exhaust section.

Contact our service department to place a service call.

Check the vents are directing air flow across the ceiling and not towards the floor. If it is humid turn the pump off. Check sufficient door and/or windows have been opened. Refer to Exhaust section.

This indicates that the child proof lock has been activated.  
Refer to the section on 'Unlocking the Brivis Networker'.

### For Your Records

Model Number:	Serial Number:	Install Date:
Installed by:		
Installer Contact:		

### Service Records

To arrange a visit from one of our certified technicians please contact the Brivis Service department on 1300 BRIVIS

	Service Provider:	Contact Number:
<b>Service Year 2</b>		
Service Date: / /		
<b>Service Year 4</b>		
Service Date: / /		
<b>Service Year 6</b>		
Service Date: / /		
<b>Service Year 8</b>		
Service Date: / /		
<b>Service Year 10</b>		
Service Date: / /		



# Warranty and Maintenance Registration

## Brivis Customer Care Program

The Brivis Customer Care Program is designed to help you get the most out of your new cooler. We may contact you before each winter or summer season with preferential offers for preventative maintenance services which will keep your Brivis cooler in great condition!

**Please note:** Preventative Maintenance Services are chargeable and not covered under your product warranty. Your cooler needs to have reasonable and safe access and be installed in line with the installation instructions supplied with the cooler. An extra charge may apply if Brivis is required to allocate two service personnel to enable compliance with safety regulations.

## Cooler Warranty Card Form - tear out the section below, moisten the glue lines, fold and seal to construct the reply paid envelope.

For New Zealand - please return the below to Warmair, PO Box 38523, Wellington Mail Centre.

Tear here

Add moisture

### Site Details

Name \_\_\_\_\_

Postal Address \_\_\_\_\_

Site Address (if different to above) \_\_\_\_\_

\_\_\_\_\_ State \_\_\_\_\_

Country \_\_\_\_\_ Postcode \_\_\_\_\_

Home phone no. ( ) \_\_\_\_\_ Work phone no. ( ) \_\_\_\_\_

Mobile phone no. \_\_\_\_\_

Email: \_\_\_\_\_

Fold & Seal

### Cooler Purchase Details

Cooler Model \_\_\_\_\_

Date of purchase \_\_\_\_\_

Installation company \_\_\_\_\_

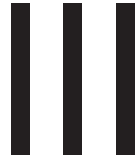
Serial No.

Complete "For Your Records" on page 14 before sending

Tear here

**Delivery Address:**  
61 Malcolm Rd  
BRAESIDE VIC 3195

No stamp required  
if posted in Australia



Brivis Climate Systems  
Reply Paid 85321  
BRAESIDE VIC 3195

## Cooler Customer Questionnaire

Please tick the appropriate box.

- **Have you been given a certificate of compliance?** Yes  No  Number. \_\_\_\_\_
- **What type of home do you live in?** Single Storey  Double Storey  Split Level
- **What type of roof do you have?** Tile  Metal  Other \_\_\_\_\_
- **What type of wall control do you have?** Manual  Programmable  Brivis Networker

## Frequently Asked Questions

**Q. How often should the cooler be serviced?**

A. Brivis recommend the cooler is serviced every 2 years at a minimum to ensure it operates at peak efficiency. Please Note: Due to environmental conditions the cooler may need to be serviced every year.

**Q. What is done in a service?**

A.

- Check filter pad material for holes or deterioration. The pads will deteriorate over time and lose their water absorption ability. Replace pads as required.
- Clean the tank and internal surfaces.
- Clean the filter pads and flush water.
- With the filter pads in position, switch ON the power supply isolating switch and operate the unit.
- Ensure the pump is operating, and visually check the pads externally for even water distribution.
- Ensure the water inlet is operating correctly.
- Ensure the water system is operating to the minimum and maximum water levels.
- Check that the water supply pressure is sufficient to fill the tank within the allotted time.
- Check the fan operates, and varies speed between the minimum and maximum setting on the Wall Control.
- Check and lubricate all moving parts.
- On Brivis Contour models, ensure the ServoSeal damper mechanism is opening and closing correctly.

**Please note that to maintain your warranty, the above servicing should be conducted by an authorised person trained in the service of Brivis Coolers.**

**Q. I own an Brivis AD cooler - Why is water continually running while the unit is on?**

A. All Brivis AD models use the “bleed off” method for tank water quality control. This “bleed off” will continually rid the cooler of any salt or sediments and allow for the tank to be continually topped up with clean water.

**Q. I own a Brivis Advance or Brivis Promina cooler - Why does the unit dump water periodically during operation?**

A. Brivis Advance and Brivis Promina coolers use the “Running Refresh” method for tank water quality control. This “Running Refresh” ensures that the salt or sediments accumulating in the cooler do not exceed an acceptable level by periodically flushing the tank while the cooler is operating.

**Q. The air smells a little different. Why?**

A. New Cooling pads can give off a mild odour while they are settling in. This is quite normal, it will dissipate quickly as the new pad is constantly flushed during use. It may also be indicating that the unit requires a service.

**Q. How much water does my evaporative cooler use?**

A. The amount of water an evaporative cooler uses is dependant on the evaporation rate of the coolers pads.

The more water the cooler can evaporate for a given condition and airflow, the more cooling potential the cooler has.

The evaporation rate varies depending on the current weather conditions, the size of the cooler, the speed of the coolers fan or the velocity of the air through the pads, and the condition and type of the filter pad material.

In addition to the cooler evaporating water, water is also displaced to maintain the water quality within the cooler so that the coolers pads and other components do not deteriorate prematurely.

**Q. How much water does the tank of my cooler hold?**

<b>Model</b>	<b>Tank Capacity (litres)</b>
Brivis Contour L26, L36, L46, L56, L66, L76	12
Brivis Promina P26, P36, P46, P56, P66, P76	12
Brivis Advance F26D, F36D, F46D, F56D, F66D, F76D, F86D	15
Brivis AD 56, AD 66, AD 76, AD 86	32

**Q. Can I run the system when I am not home?**

A. Evaporative cooling relies on doors and/or windows being open so you can run it when you are not home, provided you have the required ventilation openings.

## Frequently Asked Questions (cont'd)

**Q. How many doors and windows should I have open?**

A. Refer to the section on openings required. The table gives a guide to the amount of opening area required for each model in m<sup>2</sup>, and also gives suggestions on how to provide this.

**Q. Why is there condensation and moisture on my tiles?**

A. Make sure the vents are directed across the room and not towards the floor. Make sure sufficient doors and windows are open. Refer to the section on openings required. If it is a humid day turn the pump off.

**Q. There is no air coming out of some of the vents**

A. It is highly probable that this is an installation issue. Please contact your installer in the first instance

**Q. What does duct cleaning entail?**

A. We offer a comprehensive duct clean and sanitize of your Cooling ventilation. Like any other part of your home dirt, dust and other foreign particles can accumulate and breed in the ductwork and on system diffusers.

- Remove dust from your cooling system
- Kill any potential dust mites living & breeding throughout your cooling system
- Remove odours from your cooling system
- Helps improve indoor air quality
- Allergy sufferers may benefit from clean ducts
- Clean the Cooler fan and assembly
- Clean the Supply air diffusers

**Q. Can I run heating through the same ductwork as my evaporative cooler?**

A. No, the differing technology between ducted heating and evaporative cooling doesn't allow the units to share the same ductwork. Also, evaporative cooling requires larger ductwork for airflow.

**Q. How far should my cooler be away from sanitary vents?**

A. The unit should be at least a 5 metre radius away from a sanitary outlet.

**Q. How cool is cool?**

A. The degree of cooling available from any type of air conditioning, is dependent on the outside weather conditions. Your Evaporative Cooler works best on hot, dry days. After all, that's when you require the most relief.

**Q. Should the unit have its own circuit in the meter box?**

A. Yes, we recommend the power socket is wired back to the meter box on a dedicated power circuit.

**Q. Should water be coming out of my evaporative cooler during operation?**

A. Brivis Advance and Brivis Promina models will complete a flush service approximately every 20 cycles of the pumps operation. This means you will see the unit dump the water out of the overflow pipe.

Brivis Contour models will not dump any water during operation as they are fitted with an AquaSave which operates to keep the water clean.

Brivis AD models will have a small continuous flow from the drain outlet.

# Terms of Warranty – Australia and New Zealand

Brivis Climate Systems Pty. Ltd. ABN 64 096 079 088, AU24752 61 Malcolm Rd, Braeside, VIC 3195.

## 1. Definitions

The terms listed below shall have the following meanings:

1. **“Authorised Service Representative”** means an independent service contractor authorised by Brivis or Brivis service personnel.
2. **“Brivis”** means Brivis Climate Systems Pty Ltd ABN 64 096 079 088 and any related company.
3. **“Certificate(s) of Compliance”** means certificate(s) issued by licensed personnel including plumbers, refrigeration mechanics, electricians or other relevant trades people to certify that any prescribed works comply with applicable regulatory requirements.
4. **“Certificate(s) of Occupancy”** means certificate(s) issued by the local council which certifies that a home can be occupied.
5. **“Installation Site”** means the site at which the Product is originally installed.
6. **“Normal Business Hours”** means 8:30am to 5:00pm week days excluding public holidays.
7. **“Operating Instructions”** means the user manual or other documentation which provides detailed instructions on the proper operation and maintenance of the Product.
8. **“Other Applications”** means any Product used for non-Residential and Light Commercial Applications. Other Applications may include but are not limited to factory, IT/Server room, telephone exchange, processing area (e.g. bakery, kitchen, warehouse, swimming pool, agricultural facilities such as a nursery) and any Product which has been installed, for whatever purpose as a retrofit component to an existing system.
9. **“Purchaser”** means the end user of the Product, the person named as owner in the Warranty certificate, the holder of the Proof of Purchase or the holder of a property transfer document where the Product is included as part of the chattels.
10. **“Product”** means the equipment purchased by the Purchaser and described in Section 2 of this document.
11. **“Proof of Purchase”** means a Tax Invoice or Receipt in respect of the Product. In the case of new constructions, a Certificate of Occupancy or a Certificate of Compliance that details the date of installation or commissioning will suffice.
12. **“Qualified Installer”** means the qualified installation contractor who is responsible for performing the installation work in the manner prescribed by local and statutory regulations, including compliance with any relevant Australian Standards, and to Brivis specification.
13. **“Residential & Light Commercial Applications”** means any Product for use in both residential and light commercial applications. For example, homes, offices, hotels, apartments, nursing homes, hospitals, health care premises, shopping centres, retail stores where the Product is solely used for purpose of human comfort under standard operating conditions.

## 2. Terms of Warranty

- 2.1 Subject to the Terms of Warranty set out in this document, effective from the date of purchase by the Purchaser, the Product is warranted to be free from defects in materials and factory workmanship for the period set out in the table below:

	<b>PRODUCT GROUP</b>	<b>PARTS</b>	<b>LABOUR</b>
<b>Residential &amp; Light Commercial</b>	Evaporative Coolers & Ducted Gas Heaters (excluding Compact Classic Series)	5 YEARS	5 YEARS
	Ducted Gas Heaters - Compact Classic Series	3 YEARS	3 YEARS
	Refrigerated Airconditioning Products	5 YEARS	5 YEARS
	Ducted Gas Heaters - Heat Exchangers & Burners Evaporative Coolers - Structural components only	10 YEARS	N/A
<b>Other Applications</b>	All Product Groups	1 YEAR	1 YEAR
<b>Aftermarket</b>	Spare Parts	1 YEAR	N/A
Must be read in conjunction with product specific manuals			

- 2.2 Brivis will determine in its sole discretion, which classification the Product fits into and the corresponding Warranty that shall apply.
- 2.3 An Authorised Service Representative will repair or replace, at its option, the Product or any part of the Product that its examination shows to be defective. The repair or replacement shall be performed during Normal Business Hours by an Authorised Service Representative. Repair by persons other than an Authorised Service Representative may void the Warranty.
- 2.4 The Warranty of the Product requires that, in addition to all other conditions, the Purchaser conducts regular and/or preventative maintenance as may be specified by Brivis (e.g. Operating Instructions) and required by the level of usage and the usage environment, including the use of correct and uncontaminated refrigerants and lubricants.

### **3 Conditions of Warranty**

- 3.1 The Purchaser may only obtain the benefit of the Warranty if the Purchaser:
  - a) maintains and services the Product in accordance with the instructions set out in the service section of the relevant Service or Owner's Manual; b) complies with clause 7 below (titled "Purchaser's Responsibilities");
  - c) notifies Brivis within 30 days of a defect developing, that a claim is being made under this Warranty; and
  - d) provides, in support of the claim made under this Warranty, a Proof of Purchase.
- 3.2 This document represents the only Warranty given by Brivis and no other person or organisation is authorised by Brivis to offer any alternative.

### **4 Exclusions**

- 4.1 This Warranty does NOT cover:
  - a) damage, problems or failure resulting from improper operation and/or inadequate maintenance by the Purchaser (refer Purchaser's Responsibilities section below);
  - b) damage, problems or failure resulting from improper or faulty installation. The Product must be installed by a Qualified Installer in accordance with applicable regulations. Where applicable, Certificate(s) of Compliance must be obtained by the purchaser from Qualified Installer and present it to the Authorised Service Representative;
  - c) damage, problems or failure caused by factors external to the Product including, but not limited to, faulty or poor external electrical wiring, incorrect or faulty power supply, voltage fluctuations, over voltage transients or electromagnetic interference, inadequate or faulty gas, drainage services, or water services, including water pressure, and non potable water;
  - d) damage, problems or failure caused by acts of God, fire, wind, lightning, flood, storm, vandalism, earthquake, war, civil insurrection, misuse, abuse, negligence, accident, pests, animals, pets, vermin, insects, spiders or entry of foreign objects or matter into the Product such as dirt, debris, soot or moisture;
  - e) damage, problems or failure caused by weather including, but not limited to, hail, salt or other corrosive substances;
  - f) Product which has been installed in a portable or mobile building, structure or application including, but not limited to, a caravan or boat;
  - g) Product which is being re-installed at a location other than the original site;
  - h) any consumable item supplied with the Product including, but not limited to, an air filter, battery, fan belt, igniter or cooler pad;
  - i) installation of third-party components that may be attached to the Product. These include, but are not limited to, control wiring, ducting, return air filter(s) grille, register, diffuser, zone motors, controls/thermostats, pipe work and fabricated or added components. These items remain solely the responsibility of the Qualified Installer;
  - j) installations where electrics/electronics may be subjected to moisture/chemicals (e.g. swimming pools or nurseries);
  - k) any repair, which is needed as a result of an accident, misuse, abuse or negligence;
  - l) Product that is utilised in an environment (indoor and outdoor) outside its specified operating range; and
  - m) fair wear and tear to the Product.

### **5 Limitations**

- 5.1 Product fitness for purpose and overall system design, sizing and application are not the responsibility of Brivis. This includes but is not limited to the heat load calculations, airflow and system balancing.
- 5.2 This Warranty does not apply to any Product installed at an Installation Site which is outside Australia or New Zealand.
- 5.3 Except where inconsistent with the purchaser's statutory rights and the rights given by this Warranty, all of the warranties and all liabilities of Brivis for any direct, special, indirect or consequential loss or damage, any damage or expense for personal injury or any loss or destruction of property arising directly or indirectly from the use or inability to use the Product or any of its parts and servicing the Product, are expressly excluded.

## 6 Travel, Transport & Access Costs

- 6.1 The Purchaser must pay freight charges, in-transit insurance expenses and travelling costs for repairs/replacements under this Warranty, that are required to be performed 100km or more from the nearest Brivis branch or Authorised Service Representative.
- 6.2 Subject to clause 6.3, Brivis will pay freight charges, in-transit insurance expenses and travelling costs for repairs/replacements that are required to be performed less than 100km from the nearest Brivis branch or Authorised Service Representative. In this circumstance:
- Brivis will arrange for such repairs/replacements and make any payment directly to the third party to provide the freight, in-transit insurance or travel services; or
  - if Brivis considers appropriate, it will authorise the Purchaser in writing to pay for the relevant freight charges, in-transit insurance expenses or travelling costs and then, upon provision by the Purchaser to Brivis of a tax invoice showing those costs have been incurred, reimburse the Purchaser for such costs which are within the terms of the authorisation. If the Purchaser pays for the relevant freight charges, in-transit insurance expenses or travelling costs without written authorisation from Brivis, Brivis will not reimburse the Purchaser for such costs.
- 6.3 The Purchaser must pay all costs and expenses in respect of:
- making the Product accessible for service. For example, restricted access or working at heights, or the labour cost for an additional person due to OHS requirements;
  - providing a safe working environment for installation, service, maintenance or repair of the product;
  - any surcharge applicable in respect of supplying replacement parts outside Normal Business Hours; and
  - any other costs and expenses in relation to claiming the Warranty that is not covered by clause 6.2.

## 7 Purchaser's Responsibilities

- 7.1 The Purchaser must operate and maintain the Product in accordance with the Operating Instructions and service maintenance schedule, including conducting an appropriate number of services to the unit during the Warranty period, based on usage and the usage environment including but not limited to;
- regularly cleaning the air filter(s) and replacing them where necessary;
  - replacing expired batteries or other consumables as required;
  - ensuring that the condensate drain is kept clean and clear of obstructions;
  - ensuring that outdoor units have unrestricted airflow and adequate clearances; e) ensuring that additional corrosion protection is applied to the Product if it is installed in a corrosive environment, for example, close to the sea.

## 8 Statutory Rights

- 8.1 The benefits given by this Warranty are in addition to other rights and remedies of the consumer under a law in relation to the goods or services to which the Warranty relates.
- 8.2 Australian purchasers have their benefit of statutory rights and nothing in these terms of Warranty has the effect of excluding, restricting or modifying those rights. Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.
- 8.3 For New Zealand purchasers nothing in these terms of Warranty is intended to limit the rights you may have under the Consumer Guarantees Act 1993. The Consumer Guarantees Act 1993 does not apply if the Product is acquired for the purpose of a "business" (as defined in the Act).

**For Australian Warranty Claims call 1300 Brivis (1300 274847)  
or send to Brivis Warranty Claims 61 Malcolm Road, Braeside VIC 3195. For New Zealand  
Warranty Service call 0800 WARMAIR (0800 9276 247) - Brivis only. The PURCHASER WILL BE  
CHARGED for work done or a service call(s) if:-**

the problem is not covered by these Terms of Warranty; there is nothing wrong with the product (e.g. instructing Purchaser on the operation of the Product and/or controls); or if the Purchaser is unable to provide Proof of Purchase validating that the Product is within the Warranty period. We recommend that you read the operating instructions, and in particular the troubleshooting section of the Operating Instructions, before you make a Warranty service call. Proof of Purchase must be presented.

**Effective 1st October 2013**



For all your Sales and Service enquiries call us on **1300 BRIVIS** (1300 274 847).

**[www.brivis.com.au](http://www.brivis.com.au)**

### **Brivis Australia**

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[www.brivis.com.au](http://www.brivis.com.au)  
email: [sales@brivis.com.au](mailto:sales@brivis.com.au)

### **Brivis New Zealand**

Distributor: Warm Air Ltd  
69 Marsden Street  
Lower Hutt 5010 New Zealand  
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Wellington Mail Centre  
Wellington 5043 New Zealand  
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Ph: +64 (04) 920 1670  
Fax: +64 (04) 920 1681  
[www.warmair.co.nz](http://www.warmair.co.nz)  
email: [sales@warmair.co.nz](mailto:sales@warmair.co.nz)

### **Brivis South Africa**

Distributor: Lorenz and Associates  
Northlands Deco Park  
Cnr Witkoppen and Newmarket Roads  
North Riding, Johannesburg South Africa 2194  
**0861 BRIVIS** (0861 274 847)  
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