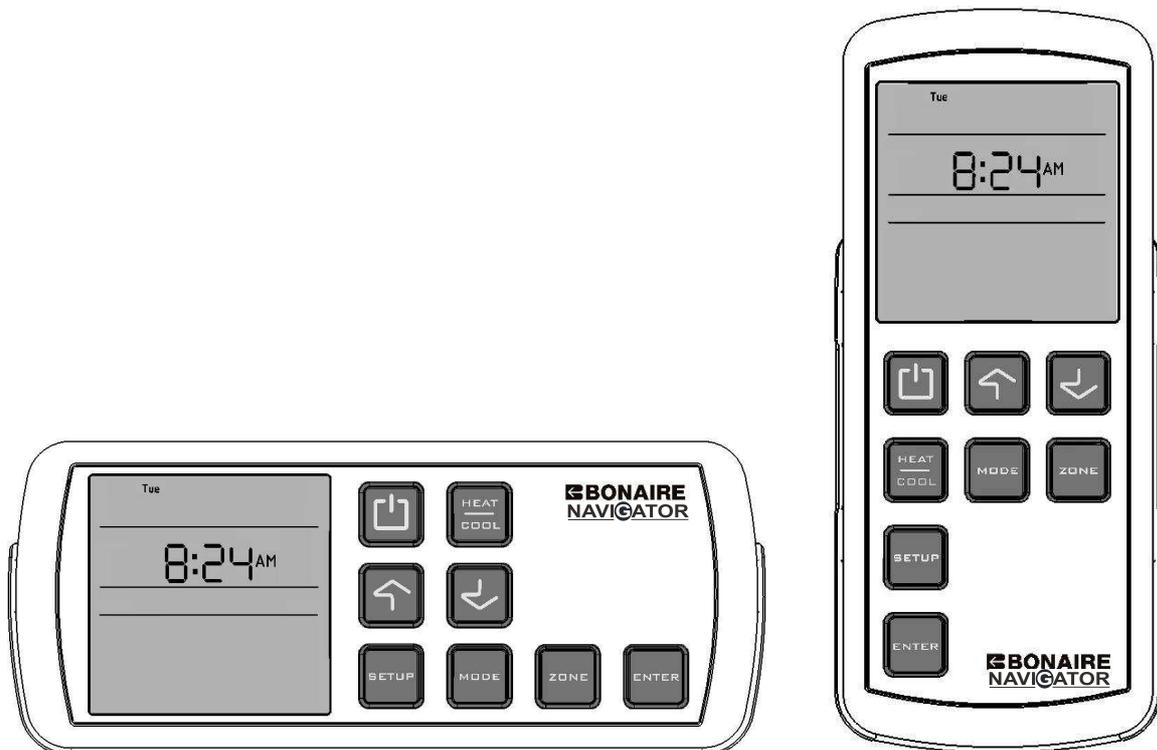

Owner's Manual

Using the
Ducted Gas Central Heating
Dual Cycle Refrigerated Air Conditioning
Ducted Evaporative Air Conditioning

with your

multi-appliance Navigator Control



Radio Frequency & Low Voltage

Please keep this important manual in a safe place. It is the owner's responsibility to ensure that regular maintenance is carried out on units. Failure to do so will void all guarantees beyond statutory and legal requirements.

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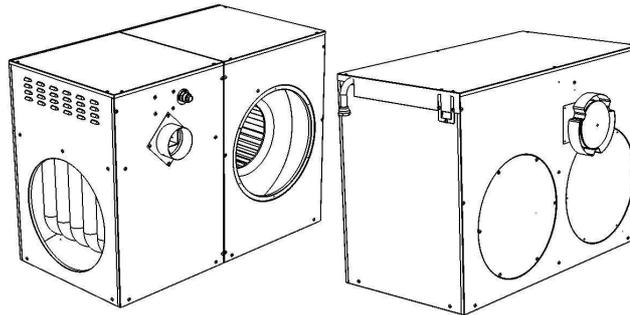


1. YOUR MULTI-APPLIANCES

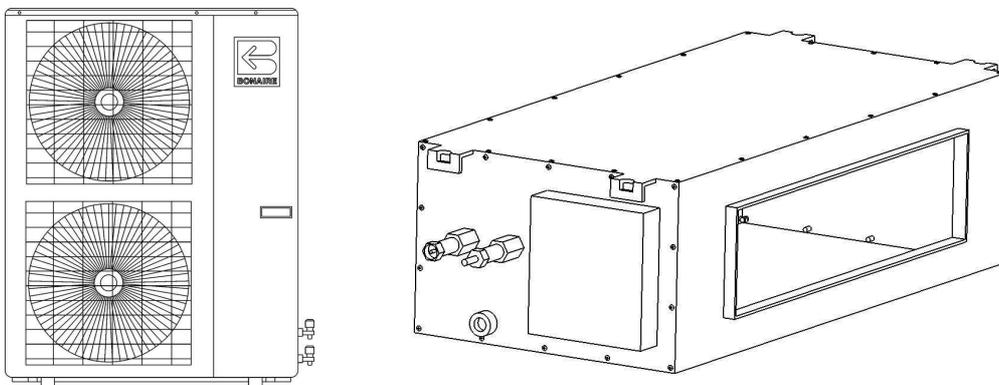
You have chosen one of the world's most advanced Navigator Control systems. The Navigator Controller is intended for use in controlling BONAIRE Gas Heaters, Evaporative Coolers or Dual Cycle Refrigerated Coolers. At any one time, the Navigator Controller can control multiple units. The Navigator Controller also allows simultaneous control of a combined Gas Heater / Refrigerative Cooler units (Dual Cycle).

Your Navigator Controller has been designed to operate various BONAIRE products:

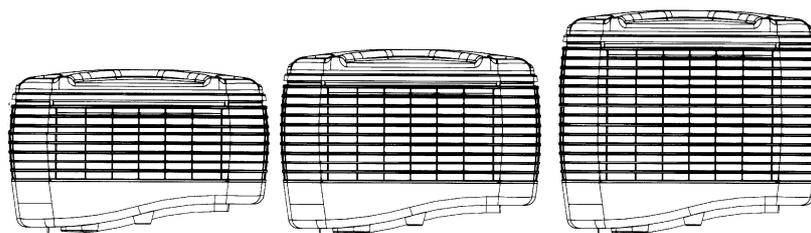
HEATING – MB-3, 4, 5 Star BONAIRE Ducted Gas Central Heaters.



DUAL CYCLE COOLING – BONAIRE Gas Central Heater with a matched BONAIRE Dual Cycle Refrigerative Cooling System attached.



FRESH AIR CONDITIONERS – BONAIRE Ducted Evaporative Air Conditioners.



Navigating the Controls



Your Navigator Controller is available in two versions

1. Wall Mounted Control (Wired)
2. Remote Control (Wireless)

These operating notes cover both versions. Whether hand held or wall mounted take advantage of the versatility your Navigator Controller offers.

Use your Navigator Controller to reduce your energy bills by selectively conditioning part of or your entire home at an economical reduced rate or by setting programs to suit your needs (Not available on Evaporative Air Conditioning).

Your Navigator Controller is designed in Australia to suit Australian conditions and will ensure that your home is comfortable all year round.

2. GENERAL INFORMATION.



IMPORTANT INSTALLATION NOTICE

A licensed person is required to install BONAIRE equipment. If the equipment is not installed in accordance with the installation instructions and the governing body regulations, Climate Technologies reserves the right to refuse service on non compliant installations.

Subject to state regulations and by laws, a certificate of compliance must be issued for the electrical and plumbing works certifying that the work complies with all the relevant standards.

NOTE: Only a registered person will have insurance protecting their workmanship.

MODEL & SERIAL NUMBER

Your appliance model number, serial number and model description are located on the appliance data plate on the end of the heater, inside the Evaporative cooler in the vicinity of the electronic controls or on the Dual Cycle outdoor end panel and Refrigerated indoor end panel. These details should also be in the warranty section of this booklet.

You will need this information, should your appliance require servicing, spare parts or just if you require additional information about this product.

LIMITATIONS

The Navigator Controller does not support systems that have both evaporative Cooler and Dual cycle Refrigerated Cooler units together.

WARRANTY

Warranty service work must only be carried out by Climate Technologies service division or its authorised service providers. Please refer to the warranty section.

SAFETY

These appliances are not intended for use by persons (including children) with reduced physical, sensory or mental capacities, 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 these appliances.

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In the interest of continued product improvement Climate Technologies reserves the right to alter specifications without notice. E.&O.E.

Navigating the Controls

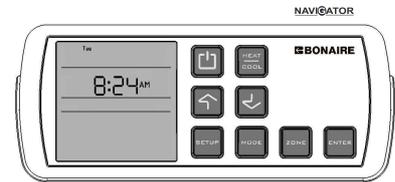


3. TYPES OF NAVIGATOR CONTROLLER MODEL

Use these pictures to identify which model you have.

WALL MOUNTED CONTROL

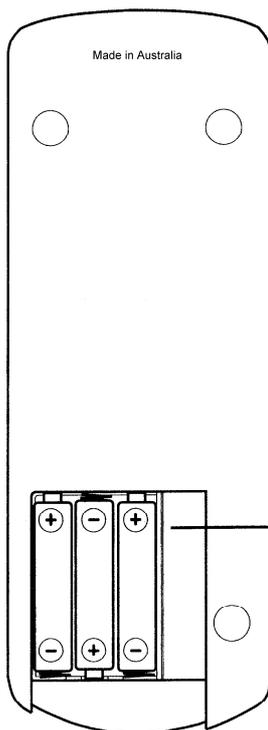
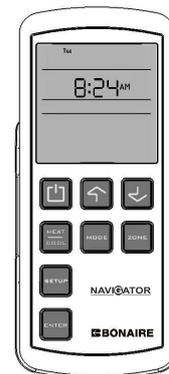
This model is mounted permanently in the cradle on your wall. No batteries are required. Power is supplied via the same cable that takes the controller's signals to your heating and / or cooling appliances.



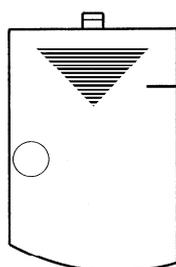
REMOTE CONTROL

This model is hand held and will operate your appliances from most areas of your home – See **IMPORTANT NOTE** for exceptions.

The remote Navigator Controller (RF) is powered by 3 AAA batteries and the battery icons are always indicating the battery strength. The wave icon indicates transmission of a communication to your appliance.



Batteries (Hand Held RF only)
Three alkaline AAA size 1.5V batteries are required. Do not mix old and new batteries.



Battery Door
Slide open door allow batteries To be easily installed without the Need for a tool



IMPORTANT NOTE

To reduce the risk of possible RF interference, do not locate your RF control near any electrical equipment e.g. TV's, computers, fridges, telecommunications and HI FI equipment or close to metal objects or window frames.

Other wireless devices around your home can also cause interference such as wireless door bells, gates door openers, or baby monitors & intercoms. Such interference can impede the operation of your appliance.

Ensure the RF control unit is not exposed to excessive heat, humidity, moisture or dampness.



4. FEATURES OF THE NAVIGATOR CONTROLLER

1. TEMPERATURE SENSOR

It Measures the room temperature for thermostatic operation (REMOTE SHOWN).

2. LCD DISPLAY

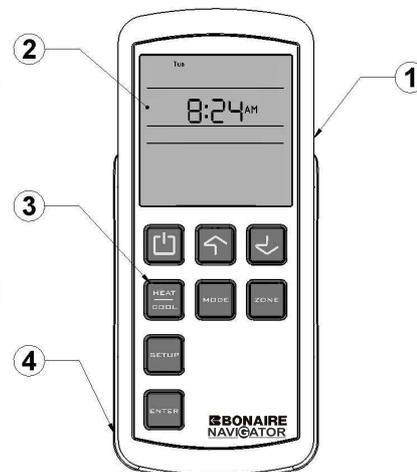
Displays operational status of mode, time, day, room temperature, set temperature, temporary temperature, fan speed, batteries and programming.

3. SOFT TOUCH BUTTONS

8 button layout

4. NAVIGATOR CONTROL CRADLE

- Fixed to the wall to permanently mount the LV wall control.
- Fixed to the wall for easy access to the portable RF control.



OTHER FEATURES

- Time of day: The user can set the Time Format, Hours, Minutes and Day.
- Zone control: The Navigator Controller allows you to select the area or section of your house for heating and cooling. * If installed by installer, zone motors not supplied.
- Child Lock: The user can protect the Navigator Control program.
- Programmed operation: The Navigator Controller can program the appliances by day or week.
- Home automation compatibility
- Control of multiple appliances: Your Navigator Controller is designed to operate multiple appliances.
- Error reporting: Your Navigator Controller will report any errors or faults.
- Installer system setup procedure
- Service, diagnostic and error log modes

Navigating the Controls

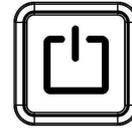


5. USING THE 8 BUTTONS

The following explains the function of each of the button:

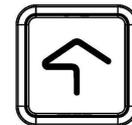
ON/OFF

- Turns your heating and / or cooling appliances ON and OFF.



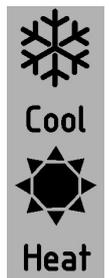
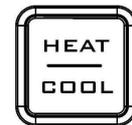
↕ ↴ BUTTONS

- Press & hold **UP/DOWN** button to increase or decrease settings.
- Or press & release **UP/DOWN** buttons to increase or decrease one point at a time. Settings include day, time, temperature, fan speed.
- The **UP/DOWN** buttons are also used to select the different zones or programs available.



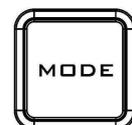
HEAT/COOL

- Press to select from the heating and or cooling choices (In most cases you will only be able to see the titles for the appliances that you have installed. If there is only one appliance installed, pressing the heat/cool button will result in "Error" being displayed).
- **Heat:** Ducted Gas Central Heaters
- **Cool:** Evaporative or Dual Cycle Refrigerative Air Conditioning
- **Heat/Cool:** Ducted Gas Central Heater and Dual cycle Refrigerated Air Conditioning



MODE

- The MODE button allows the user to select the operating mode for the currently selected appliance type.
- There are six modes of operation defined. Thermo and Fan are common to all appliances. Program, Manual, Boost and Economy are only available on certain appliance types.



Program Thermo Manual Fan Boost Economy

ZONE

The ZONE button allows the user to select the area or section of your house for heating and cooling control (If zones are available).

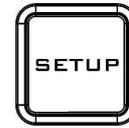


Navigating the Controls



SETUP

- The **SETUP** button is used to configure the Navigator Controller in either the ON or OFF condition. It allows time setting, program and advanced setup. The advanced setup will only be allowed if the Navigator Controller is in the OFF condition.



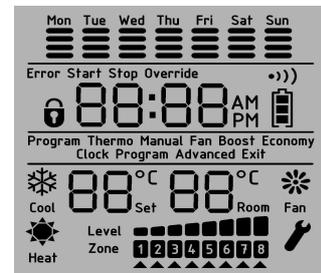
ENTER

- Press and release the **ENTER** button to save settings when in SET TIME, PROGRAM mode and ZONE setting.
- Press and release the **ENTER** button to immediately send instructions.



6. THE LCD DISPLAY

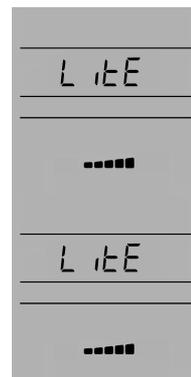
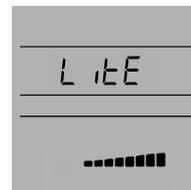
The Navigator Controller display shows different information depending on the functions in use. The Navigator Controller usually shows only those items relevant to the appliances you have installed.



7. BACKLIGHT

The Navigator Controller provides a **BLUE** and **ORANGE** backlight. The blue backlight is illuminated for cooling appliances and the orange backlight is illuminated for heating appliances. To adjust the backlight level,

- Press and hold the **SETUP** button until the “**Lite**” appears on the display.
- Press the  or  button to decrease or increase the backlight level.
- Press the **ENTER** button to select the backlight level adjustment.



8. QUICK START

To give you time to choose your settings the Navigator Controller pauses 15 seconds and then sends its signal to your Heater/Cooler. Watch for the transmit symbol  on the screen. This means that the signal has been sent. (RF only)

Your Navigator Controller is designed to automatically detect the appliances connected. Controller options not required for your connected

Navigating the Controls



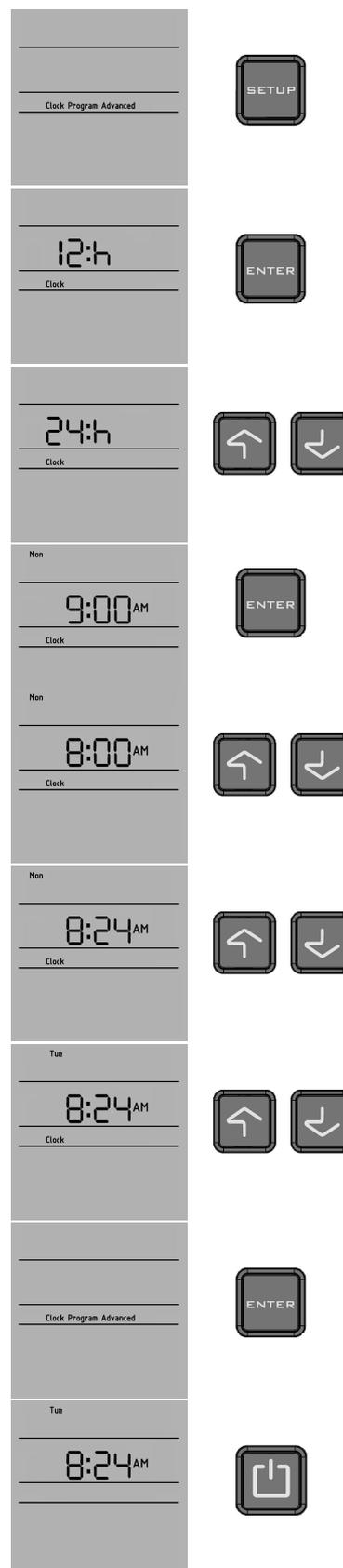
appliances will be hidden and not displayed on your Navigator Controller, therefore some menu items shown in this instruction may not appear.

9. SETTING DAY AND TIME

On first power up or reset, the time display will flash 12:00 am and shall remain so until the user sets the time or it receives a set time command from another device. The user can set the time with the controller in an ON or OFF state.

To set the time,

1. Press the **SETUP** button and it will display the Clock, Program and Advanced (OFF state only) icons on the display. The Clock icon will be flashing.
2. Press the **ENTER** button to select the clock and it will display the time format **12: h** or **24: h**. To select the time format, press the **UP/DOWN** button and then press the **ENTER** button as required.
3. The display will then flash the HOURS. Press the **UP/DOWN** button to increase or decrease the hours. Press the **ENTER** button to set hours.
4. The display will flash the MINUTES. Press the **UP/DOWN** button to increase or decrease the minutes. Press the **ENTER** button to set minutes.
5. The display will flash the DAY on the top row of the display. Press the **UP/DOWN** button to change the day. Press the **ENTER** button to select the day.
6. The Navigator Controller will display Clock, Program and Advanced icons. Press the **ON/OFF** button (OFF state) or the **SETUP** (ON state) button to go to the main display.



Navigating the Controls



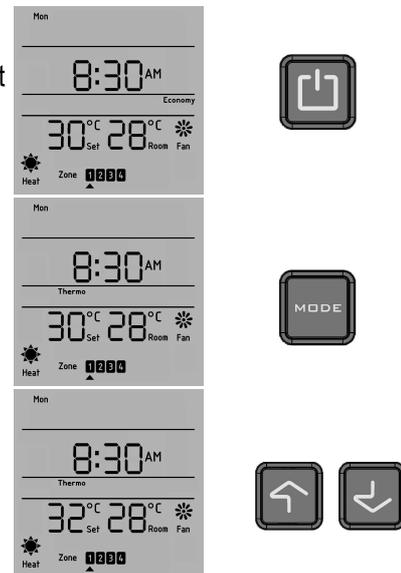
10. SIMPLE MANUAL OPERATION

Here's all you have to do to get the system going (If the installer hasn't already done it for you). To operate the Navigator Controller,

1. Turn the Navigator Controller ON by pressing the **ON/OFF** button.
2. Press the **MODE** button to select different modes of operation.
3. Press the  or  buttons to set the temperature.

Your unit will now operate in manual mode.

NOTE: When the back light is blue, it is in cooling mode.
When the back light is orange, it is in heating mode.



11. APPLIANCE TYPE SELECTION

Your Navigator Controller can operate multiple appliances (where more than one type of appliance has been connected). You can select your appliance type by pressing HEAT/COOL button. You will see the Heat, Cool or Heat/Cool icons on the display of the Navigator Controller.

NOTE: Heat/Cool is only allowed on installations with a heater and Dual Cycle Refrigerative cooling.



Heat Icon indicates that, your appliance is in heating state.



Cool Icon indicates that, your appliance is in cooling state.



Cool



Heat Icon indicates that, your appliance is in heating and cooling state.

To select different appliances,

1. Turn the Navigator Controller ON by pressing the **ON/OFF** button.
2. Press the **HEAT/COOL** button to scroll through the different appliances if more appliance than one appliance is connected.
3. Press the **ENTER** button to select your desired appliance type.



Navigating the Controls



12. CHILD LOCK

Your Navigator Controller provides a special child lock function to protect the current operation or program. To activate **CHILD LOCK** function at any time,

1. Press and hold the **HEAT/COOL** and **MODE** buttons.
2. The child lock is enabled and the lock icon  will appear on the display. Any key press will be ignored and the error icon will flash.
3. Press and hold the **HEAT/COOL** and **MODE** buttons again to disable the child lock.



13. PAIRING YOUR NAVIGATOR CONTROLLER (RF Only)

Note that this is normally undertaken by the installer.

The BONAIRE Navigator Controller and transceiver does not have any pairing information when they are delivered from the factory.

The RF handset must be "paired" to its transceiver (antenna). On the first power up, the transceiver will request to join with Navigator Controller for period of a 30 min window and it will flash a green light. If it does not join within that time, it will join the next time the unit is powered up.

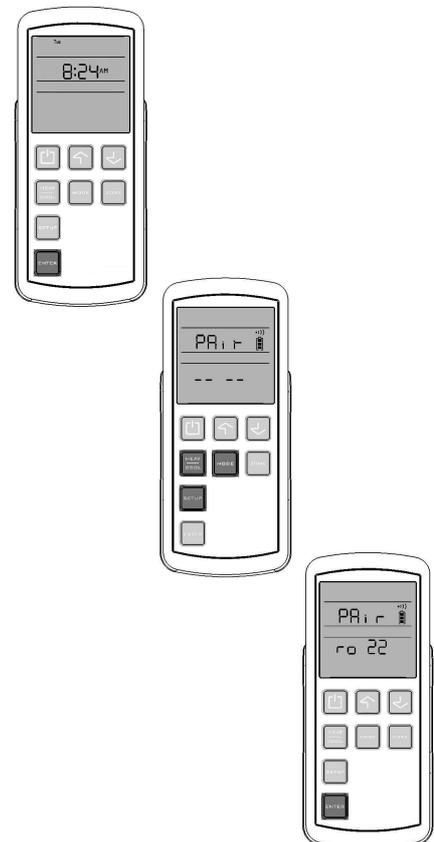
To put the Navigator Control into pairing mode -

1. Press & hold the **ENTER** button for 3 seconds.
2. Press the **Heat/Cool**, **Mode** & **Setup** buttons in sequence. The display will flash the "**PAir**".
3. After few seconds the display will show the controller number. For example "**ro 22**". Press the **ENTER** button to pair with transceiver.

NOTE: Bars on the display will indicate signal strength.

4. Press the **ON/OFF** button to go back to the main display.

The RF handset and the transceiver are now paired together ready for use.





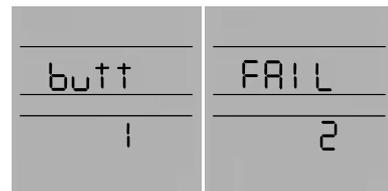
14. RESETTING THE NAVIGATOR CONTROLLER

CAUTION! This will reset the controller to its factory default settings and so after a reset, the control may need to be set up again to suit your installation requirements (depending on how your system was first set up).

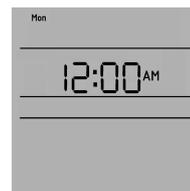
To reset the Navigator Controller to the default setting,

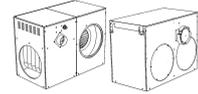


1. Press & hold the ON/OFF button for 3 seconds.
2. Then press the UP, DOWN and SETUP buttons in sequence.
3. After few seconds, the display will flash "**butt**" followed by "**FAIL**".

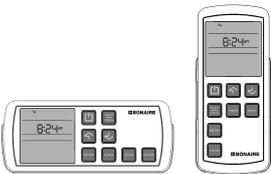
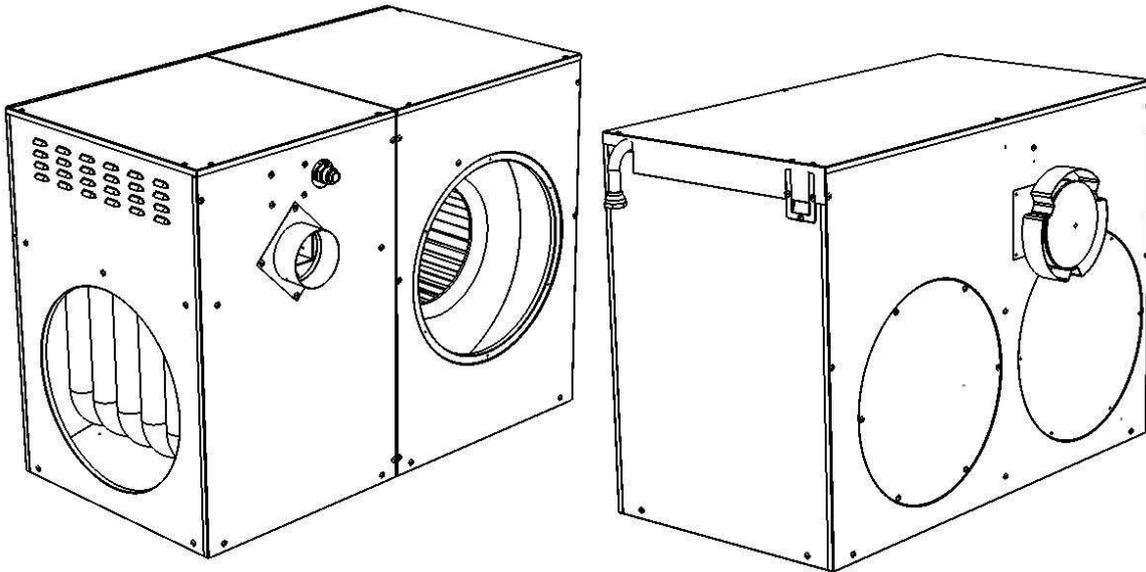


4. When the Navigator Controller has finished resetting, the display will flash default settings as shown.



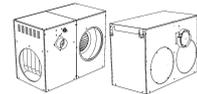


Ducted Gas Central Heating



Owner's Operation and Maintenance Instructions

Please keep this important manual in a safe place. It is the owner's responsibility to ensure that regular maintenance is carried out on the Ducted Gas Central Heater. Failure to do so will void all guarantees beyond statutory and legal requirements.



Ducted Gas Central Heating

Congratulations on purchasing a BONAIRE Ducted Gas Central Heating system, an exciting new product manufactured by Climate Technologies.

Wholly designed and manufactured in Australia, BONAIRE Ducted Gas Central Heaters represent an exciting new development in warm air furnace design. It embodies the latest advances in gas heating technology.

Your heater is supported by Climate Technologies, Australia's most advanced manufacturer of a complete range of climate control products.

To ensure you fully enjoy the benefits of your BONAIRE Ducted Gas Central Heater, please read these instructions carefully and keep them handy for future reference.

If operated and maintained in accordance with this manual, your BONAIRE unit will provide you with years of warm and environmentally friendly operation. Please take the time to read this manual.

14. GENERAL INFORMATION



IMPORTANT NOTICE

A licensed person is required to install any Heating/Cooling equipment. If the equipment is not installed in accordance with the installation instructions and the governing body regulations, Climate Technologies reserves the right to refuse service on non compliant installations.

Subject to state regulations and by laws, a certificate of compliance must be issued for the electrical and plumbing work certifying that the work complies with all the relevant standards.

Note: Only a registered person will have insurance protecting their workmanship.

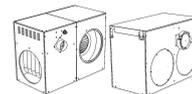
MODEL & SERIAL NUMBER

Your appliance model number, serial number and model description are located on the appliance data plate on the end of the heater or under the lid in the vicinity of the electronic controls. These details should also be in the warranty section of this booklet.

You will need the model & serial number, should your appliance require servicing, spare parts or just if you require additional information about this product.

ASSEMBLY

There is no assembly required of this Ducted Gas Central Heater. Your Dealer or installer will carry out all assembly and commissioning upon installation.



Ducted Gas Central Heating

15. SAFETY

SAFETY & OWNER RESPONSIBILITY

The manufacturer and its service providers reserve the right to refuse service unless safety and accessibility to the unit can be guaranteed in accordance with the installation instructions and Australian Standards. The cost of any extra equipment required to provide access to the unit for servicing is the responsibility of the owner.

This appliance is not intended for use by young children or infirm persons unless they have been adequately supervised by a responsible person to ensure that they can use the appliance safely.

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

PRECAUTIONS

DO NOT PLACE 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 PLACE ARTICLES IN FRONT OF OR OVER THE RETURN AIR GRILLE.

FEATURES

Your BONAIRE Ducted Gas Central Heater has all the safety devices to ensure safe operation. These devices conform to the standards set out by Standards Australia.

POWER OR GAS INTERRUPTION

Should there be an interruption to the power supply during the heating operation the controls will automatically turn off the gas.

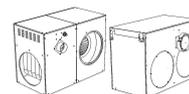
NOTE: *If there is an interruption to the power supply, the Navigator Controller will remember all settings and programs for 30 minutes. After 30 minutes without power the Navigator Controller will revert to the default settings.*

Depending on the unit installed, the product may not restart when power is resumed. In these cases it will be necessary to manually reset the controller.

Should there be an interruption to the gas supply, the heater will endeavor to re-light and if unsuccessful it will lock out. (This is part of the safety features). Should this occur the heater will need to be reset.

Please refer to your problem-solving chart to assist resolving other problems.

Ducted Gas Central Heating



16. USING YOUR NAVIGATOR CONTROL

There are 2 ways to operate your Navigator Controller. You can use MANUAL CONTROL and select the your mode of operation or you can set a PROGRAM for automatic operation.

NOTE: If there is only a central heater fitted in the house, the Navigator Controller will default to Heat. Your Navigator Controller is programmed to automatically detect the appliances connected. Controller options not required for your connected appliances will be hidden and not displayed on your Navigator Controller, therefore some menu items shown in this instruction may not appear.

MANUAL CONTROL

In manual control you can operate in thermo, economy, boost or fan mode and operate zones.

THERMO MODE

In THERMO mode, the Heater will run at an output power level as required to achieve the requested comfort level. To use the THERMO mode,

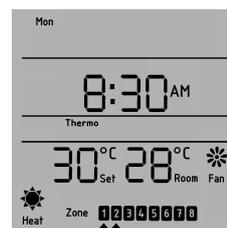
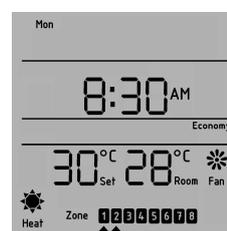
1. Turn the Navigator Controller ON by pressing the **ON/OFF** button.
2. Press the **MODE** button until the Thermo icon appears on the display and press the **ENTER** button to select.
3. Press the  or  buttons to decrease or increase the set temperature. You can set the temperature from 10°C to 32°C.

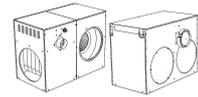
4. The Navigator Controller measures the room temperature using a thermostat inside its case. When the room temperature is colder than the SET TEMP the Heater will come on after a 30 second ignition process.

NOTE: Do not leave the Remote Navigator controller where air from a heater outlet or other heat & cold sources impact on it as it may affect the thermostat operation.

5. The Navigator Controller will run both the modulating (4 star, 5 star) and non modulating (3 star) heaters until it measures the room temperature as equal to your SET TEMP. The thermostat will then turn off the heater until the temperature falls 0.5°C below the set temperature before restarting.

6. For 4 and 5 star heaters, the operation of the heater is as follows:
 - If at start up, the room temperature is more than 2.0° below the set temperature, the central heater will start up at high fan speed and high gas rate quickly bringing your house up to temperature.
 - As the room temperature gets closer to the set temperature the central heater will reduce the room air fan and the gas rate to the burner.





Ducted Gas Central Heating

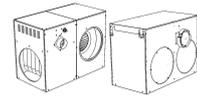
- When the room temperature reaches the set temperature the central heater will shut down.
 - When the room temperature has dropped approximately 0.5° below the set temperature the unit will restart.
 - As your activities vary, you may find you need different temperature settings, e.g. a temperature comfortable for sitting is usually too warm compared to when you're moving about.
 - For economical operation, set a low SET TEMP during the day when you are active, or use the ECONOMY mode. Switch the Navigator Controller OFF when asleep and ON again when awake. These cost saving functions can be programmed to operate automatically (see Programmed Control).
7. Press the **ON/OFF** button to switch the heater OFF.
 8. The Navigator Controller remembers your SET TEMP setting and uses it the next time you turn it ON.

ECONOMY MODE

The ECONOMY mode operates the heater at the lowest power level if the room temperature is below the set temperature. The Navigator Controller turns off the unit when the set temperature is reached and then back on when the room temperature drops again. To operate the ECONOMY mode,

1. Turn the Navigator Controller ON by pressing the **ON/OFF** button.
2. Press the **MODE** button until the Economy icon appears on the display and press the **ENTER** button to select.
3. Press the  or  buttons to decrease or increase the set temperature. You can set the temperature from 10°C to 32°C.





Ducted Gas Central Heating

BOOST MODE

The BOOST mode operates the heater at maximum power level if the room temperature is below the set temperature. The Navigator Controller turns off the unit when the set temperature is reached. The Navigator Controller turns the unit back on when room temperature drops again. To operate BOOST mode,

1. Turn the Navigator Controller ON by pressing the **ON/OFF** button.
2. Press the **MODE** button until the Boost icon appears on the display and press the **ENTER** button to select the Boost mode.
3. Press the **UP/DOWN** button to decrease or increase the set temperature. You can set the temperature from 10°C to 32°C.



FAN MODE

In FAN mode the heater operates the fan only to circulate air. In this mode, the fan speed can be adjusted to the desired level. To operate the FAN mode,

1. Turn the Navigator Controller ON by pressing the **ON/OFF** button.
2. Press the **MODE** button until the FAN icon appears on the display and press the **ENTER** button to select.
3. Press the **UP/DOWN** button to decrease or increase the fan speed. You can set the fan speed up to 8 levels.



ZONING

The Navigator Controller is capable of controlling up to 8 switched zones and one unswitched zone. If more zone control is required than the standard 4 zones which is supplied with a 4 or 5 star heater, then a zone extension kit is available. This will increase zone control from 4 to 8 with one unswitched zone. Selecting ZONE only applies if your home is fitted with optional motorised ductwork dampers (please consult your installer) that allow opening or closing of each section of ducting.* Not available on 3 star units.

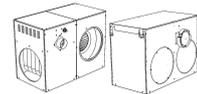
The Navigator Controller will show only installed zones. If no dampers are fitted and the installer correctly configures the heater, no zones will be shown and zone setup cannot be selected.

In homes with more than one zone, at least one zone must be open at all times. The default zone is 1 if no other is selected.

To set the open or closed status of a ZONE:

1. Press and release the **ZONE** button. ZONE 1 (or the current open zone) will flash.
2. Press the  or  button to select the zone you wish to control.





Ducted Gas Central Heating

3. Press the **ZONE** button to toggle a zone open or closed. Repeat to open or close more zones. The arrow will display under the selected zone on the LCD screen that are set to open / on.
4. Press the **ENTER** button to exit the Zone setup.
Now the Heater operates only in your selected zones.

PROGRAM MODE

To operate the PROGRAM mode,

1. Turn the Navigator Controller ON by pressing the **ON/OFF** button.
2. Press the **MODE** button until the Program icon appears on the display & press the **ENTER** button to select.



PROGRAMMING YOUR NAVIGATOR CONTROLLER

Programming your Navigator Controller will save time and energy. Your heating and or cooling system will only operate when you need it and at your chosen comfort levels. Determine your most comfortable settings, program them and let your Navigator Controller do the rest automatically.

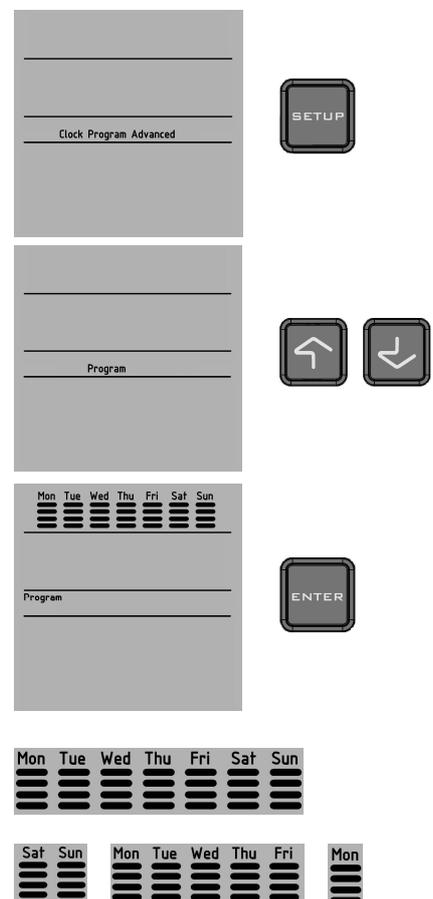
PROGRAMMING SEQUENCE

Heater / Dual Cycle Refrigerated Air Conditioning

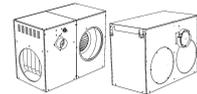
If you've never programmed your Navigator Controller before (or it's been a while) remember it's easiest to program the whole week to the same settings (by selecting the whole week MON TUE WED THU FRI SAT SUN day choice) and then program variations for particular days or the weekend as you become more familiar with programming.

If the Controller exits program mode it may be because you've paused longer than about 1 minute to make your next choice. All the settings you've made up to then will be saved. Just switch back to program mode, scroll through your settings using the **ENTER** button and carry on from where you left off. The following is the programming sequence for the Navigator Controller-

1. Press the **SETUP** button and it will display Clock, Program and Advanced (OFF state only) icons on the screen. Currently Clock is flashing.
2. Press the or button to select Program and press **ENTER**.
3. Press the or button to change the day or day group to be modified (Single Day, Week Days, Weekend or Whole Week). Press the **ENTER** button to complete the selection.



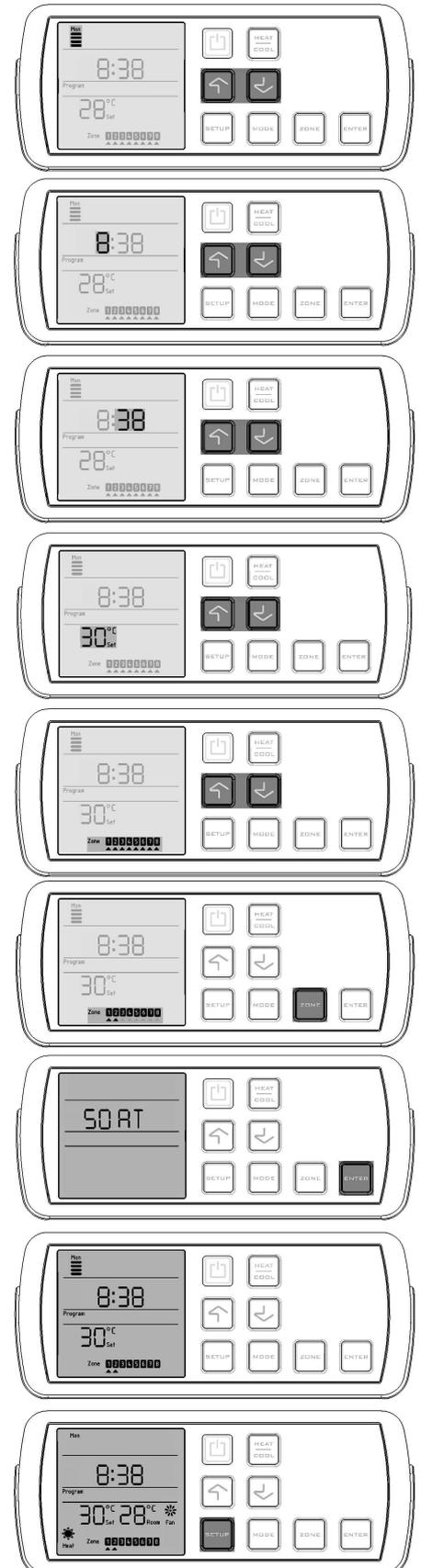
Ducted Gas Central Heating

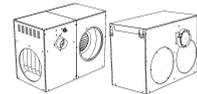


4. You can set 4 program periods in one single day or day group. To select the program periods press the or button and press the **ENTER** button. (**NOTE: Set these program periods according to the time**)
5. The HOURS icon will now be flashing. To set the desired hour press the or button and press the **ENTER** button to proceed. The MINUTES icon will now flash. Using the or button set the minutes. Press the **ENTER** button to proceed.
NOTE: If you want to disable a period, set time to "--:--".
6. The temperature will now be flashing. To set desired temperature press the or button and then press the **ENTER** button. You can set the temperature from 10°C to 32°C.
NOTE: If you want set an off period, set temperature to "--".
7. ZONE will flash at bottom of the display (If switched zones are installed). ZONE 1 or the current zone will flash.
8. Press the or button to select the different zones. Press the **ZONE** button to open/close the selected ZONE and arrow will appear under the selected zone.
9. Press the **ENTER** button to finish. The Navigator Controller will display and perform a **"Sort"** function. After the sorting function the Navigator Controller will display the next period.
10. Press the **SETUP** button to go to the main screen.

If you want to make corrections to what you've entered, press the **SETUP** button and select program by pressing the or button. Now press the **ENTER** button and you'll start the programming sequence again. Scroll through the program selections by pressing the **ENTER** button and change any items as you come to them.

If the unit is running under the Program mode, the user may temporarily override the programmed settings by setting the temperature and the zone. The **"Override"** will flash on the display when you change the temperature or zone in program mode and this will revert back to standard programming.





Ducted Gas Central Heating

17. HEATER MAINTENANCE

⚠ WARNING: *Before commencing any maintenance work on your unit, isolate the power at the supply (Switch Board).*

NOTE: *It is essential that your central heater be maintained in accordance with this manual. Failure to do so will affect the life of the product and reduce the level of efficiency.*

ELECTRICAL

No general maintenance is required to the electrical system.

A Qualified Electrician should only carry out electrical connections and maintenance.

RETURN AIR GRILLE FILTER

If your heating system has a filter in the return air grille, it is extremely important it is cleaned every 3 – 4 weeks during the operating period to ensure correct operation of the heating unit. Failure to do so may cause your heater to stop because of over temperature and cause an unnecessary service call not covered by warranty.

FLUE

The flue and cowl assembly should be clean and free of obstructions.

18. SCHEDULED MAINTENANCE

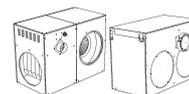
Your BONAIRE Ducted Gas Central Heater should be serviced annually to ensure trouble free operation.

1. To ensure that your heater continues to operate at peak efficiency it is recommended that it be periodically serviced by a qualified service technician
2. Fan blades, motors, ignition systems and burners should be checked every year. The heater cabinet and immediate surroundings should be kept clean.
3. Replace the batteries in the Radio Frequency Navigator Controller (where fitted) at the start of each heating season with new AAA alkaline batteries.

OTHER ITEMS

There are other items your Climate Technologies service technician will attend to for scheduled maintenance.

Service Call: Service contact details are located on page 43 of this manual.



Ducted Gas Central Heating

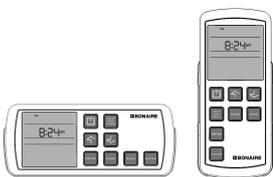
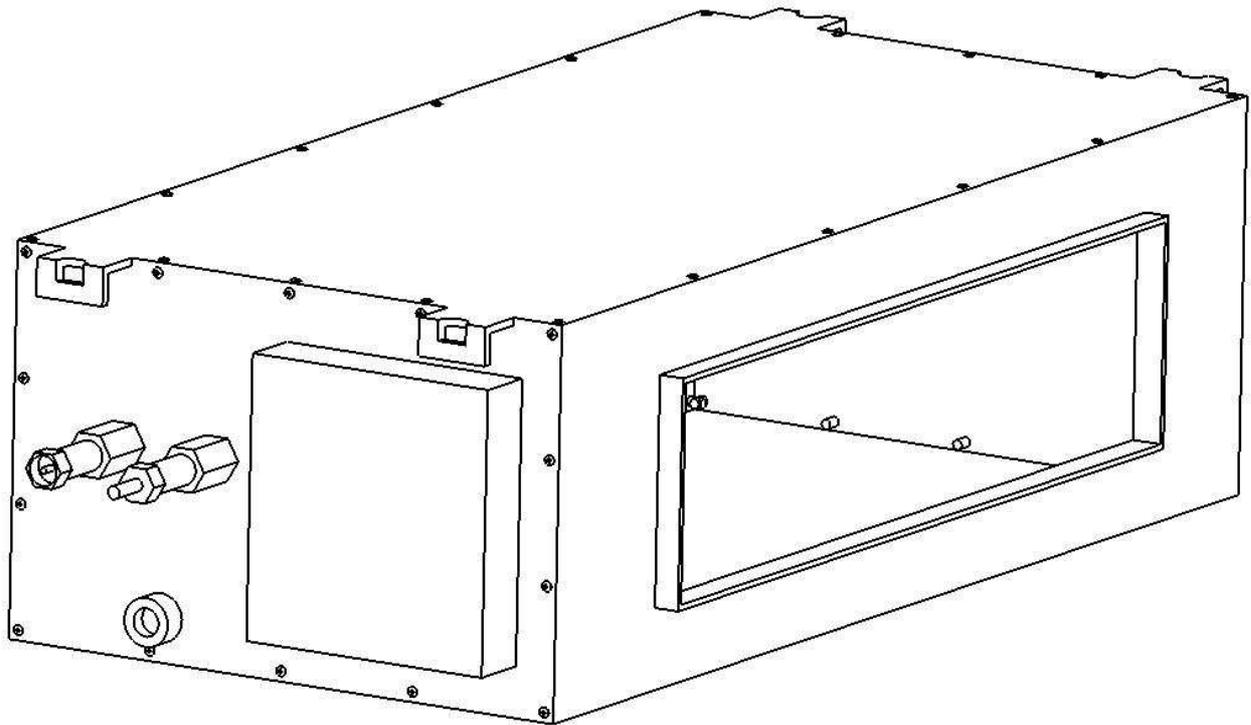
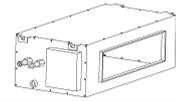
19. PROBLEM SOLVING

WHAT IF CENTRAL HEATER WILL NOT OPERATE!

	Question	Y/N	Solution
1.	Has the unit been run since installation?	Yes	Refer to question 4
		No	Check the unit is turned on at the power point and the gas shut off valve is turned on. If not call the installer to commission the unit.
2.	Is the unit installed in a new home?	Yes	Refer to question 3
		No	Refer to question 4
3.	Has the installer run the unit?	Yes	Refer to question 4
		No	Check the unit is turned on at the power point and the gas shut off valve is turned on. If not call the installer to commission the unit.
4.	Is the set temperature greater than the room temperature?	Yes	Turn the unit off (for more than 2 secs) and then on to reset unit. If the unit still does not start call for service. (refer to solution 6 for reset instructions)
		No	Increase the set temperature so the thermostat calls for heat.
5.	Is the thermostat in program mode?	Yes	The heater may be programmed to be OFF. To operate the heater manually press the MODE button until the Thermo is displayed. Adjust the room thermostat greater than set temperature.
		No	Adjust the room thermostat greater than set temperature.
6.	Has there been a known power surge?	Yes	Reset the unit. This can be done by: <ol style="list-style-type: none"> 1. Turn the power OFF (for more than 2 secs) and then ON at the power point 2. Turn the control to OFF
		No	Unit should operate normally. If not a service call will be required.

**THIS TROUBLE SHOOTING GUIDE IS A REFERENCE ONLY.
FOR SERVICE OR WARRANTY REQUIREMENTS PLEASE REFER TO
THE WARRANTY SECTION OF THIS BOOK**

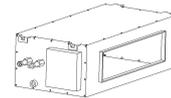
Dual Cycle Refrigerated Air Conditioning



Owners Operating and Maintenance Instructions

Please keep this important manual in a safe place. It is the owner's responsibility to ensure that regular maintenance is carried out on this Dual Cycle Ducted Gas Central Heater / Refrigerated Air Conditioner. Failure to do so will void all guarantees beyond statutory and legal requirements.

Dual Cycle Refrigerated Air Conditioning



20. GENERAL INFORMATION

IMPORTANT NOTICE

If an appropriately qualified and licensed person is not used to install the equipment or if it's not installed according to the guidelines, then Climate Technologies will not accept responsibility for any problems, which occur as a result.

MODEL & SERIAL NUMBER

Your appliance model number, serial number and model description are located on the appliance data plate on the access panel of the outdoor unit. These details should also be in the warranty section of this booklet.

You will need this information, should your appliance require servicing, spare parts or just if you require additional information about this product.

ASSEMBLY

There is no assembly required of this Dual Cycle Refrigerated Air Conditioning + Gas Central Heating System. Your Dealer or installer will carry out all assembly and commissioning upon installation

21. SAFETY

SAFETY & OWNER RESPONSIBILITY

The manufacturer and its service providers reserve the right to refuse service unless safety and accessibility to the unit can be guaranteed. The cost of any extra equipment required to provide access to the unit for servicing is the responsibility of the owner.

This appliance is not intended for use by young children or infirm persons unless they have been adequately supervised by a responsible person to ensure that they can use the appliance safely.

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

PRECAUTIONS

DO NOT PLACE ARTICLES ON OR AGAINST THE CONDENSER/OUTDOOR UNIT.

DO NOT PLACE ARTICLES IN FRONT OF THE CONDENSER/OUTDOOR UNIT.

ENSURE THE CLEARANCES BETWEEN THE UNIT AND WALLS/OBSTRUCTIONS ARE KEPT CLEAR.

DO NOT PLACE ARTICLES IN FRONT OF OR OVER THE RETURN AIR GRILLE.

FEATURES

Your Ducted Gas Central Heater and Dual Cycle Refrigerated air conditioner has all the safety devices to ensure safe operation. These devices conform to the standards set out by Standards Australia.

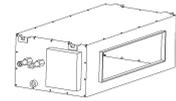
POWER INTERRUPTION

Should there be an interruption to the power supply during the cooling operation the controls will automatically shut down.

NOTE: *If there is an interruption to the power supply, the Navigator Controller will remember all settings and programs for 30 minutes. After 30 minutes without power the Navigator Controller will revert to the default settings.*

Your gas ducted heater and or Dual Cycle cooler will automatically resume operation once the power has been restored.

Dual Cycle Refrigerated Air Conditioning



22. USING YOUR NAVIGATOR CONTROLLER

Using your Navigator Controller for manual operation of your Refrigerated Air Conditioner is the same as your gas central heater where you want direct control, without programming. When you press HEAT/COOL button, your Navigator Controller will display 3 options Cool, Heat or Heat & Cool for your Dual Cycle Refrigerated Air Conditioner

COOLING

In the cool option you can operate 3 types of MODE operation, Program, Thermo and Fan. For cooling -

1. Turn the Navigator Controller ON by pressing the **ON/OFF** button.
2. Press the **HEAT/COOL** button until the Cool icon appears on the left side of the display and press the **ENTER** button to select.
3. Press the **MODE** button to change the mode of operation. Press the **ENTER** button to select the mode.
4. Press the  or  button to decrease or increase the temperature and press the **ENTER** button to set the temperature. You can set the temperature from 10°C to 32°C.
5. Press the **ZONE** button to operate the different available zones.



HEATING

- The heat option is the same as the Ducted Gas Heating. In this state the system will operate in 5 types of MODE operation, Program, Thermo, Boost, Economy and Fan.
- Please refer to the MANUAL OPERATION of the Ducted Gas Central Heating.

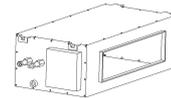
HEAT & COOL

In Heat & Cool state the system can operate 3 MODE types - Program, Thermo and Fan. To turn the Heat & Cool state on -

1. Turn the Navigator Controller ON by pressing the **ON/OFF** button.
2. Press the **HEAT/COOL** button until both Heat & Cool icons appear on the display and press the **ENTER** button to select.
3. Press the **MODE** button to view the different modes of operation and press the **ENTER** button to select.
4. Press the  or  button to decrease or increase Set Temp. You can set the temperature from 10°C to 32°C.



Dual Cycle Refrigerated Air Conditioning



5. The Navigator Controller measures the room temperature using a thermostat inside its case. When the room temperature is warmer than the set temp, the Dual Cycle Refrigerated Cooling unit will cycle on.
6. The Navigator Controller will run the Dual Cycle Refrigerated Cooler until it measures temperature 2° below your Set Temp and turn off the Dual Cycle cooling unit.
7. Press the **ON/OFF** button to switch the cooler OFF.
8. The Navigator Controller remembers your set temperature setting and uses it next time you turn it ON.

ZONING

Selecting ZONES only applies if your home is fitted with optional motorised ductwork dampers (please consult your installer) that allow opening or closing of each section of ducting.

The Navigator Controller will not display any zones if dampers are not fitted and set up. Where dampers are fitted, the installer can set your controller to show only the zones available for use.

In homes with more than one zone, at least one zone must be open at all times. The default zone is 1 if no other is selected.

To set the open or closed status of a ZONE:

1. Press the **ZONE** button. ZONE 1 (or the current open zone) will flash
2. Press  or  to select the zone you wish to control.
3. Press the **ZONE** button to set a zone as open (ON) or closed (OFF). The arrow will appear under the selected zone if the zone is ON. Repeat to open or close more zones.

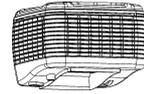
23. PROGRAMMING YOUR NAVIGATOR CONTROL

Programming your Navigator Controller will provide energy and time savings. Your heating/cooling system will only operate when you need it, and at your chosen comfort levels.

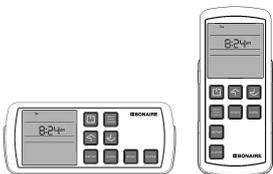
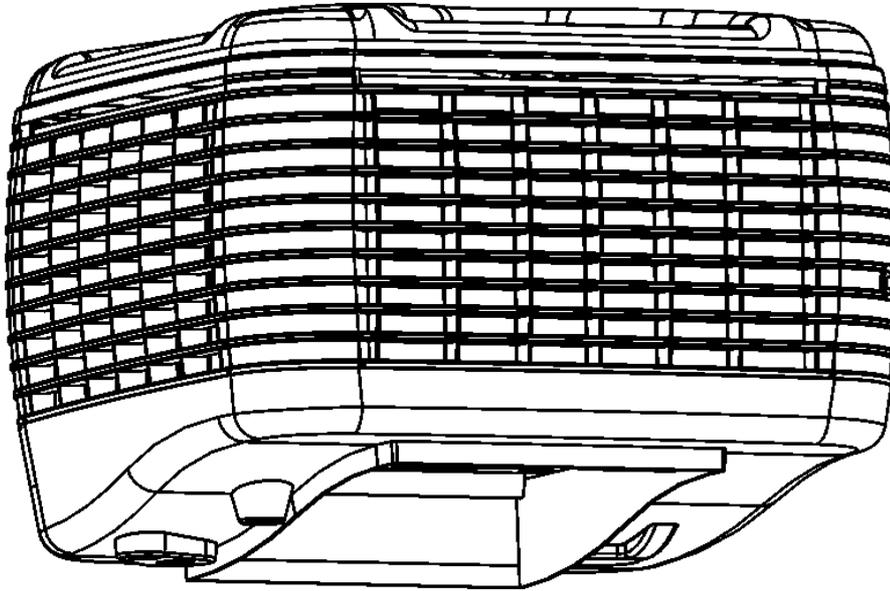
Determine your most comfortable settings, program them and let your Navigator Control do the rest automatically.

USING THE PROGRAMMING SEQUENCE

Refer to Ducted Gas Central Heating Section for **PROGRAM MODE** and **PROGRAMMING YOUR NAVIGATOR CONTROLLER**.

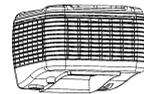


Ducted Evaporative Air Conditioning



Owners Operating and Maintenance Instructions

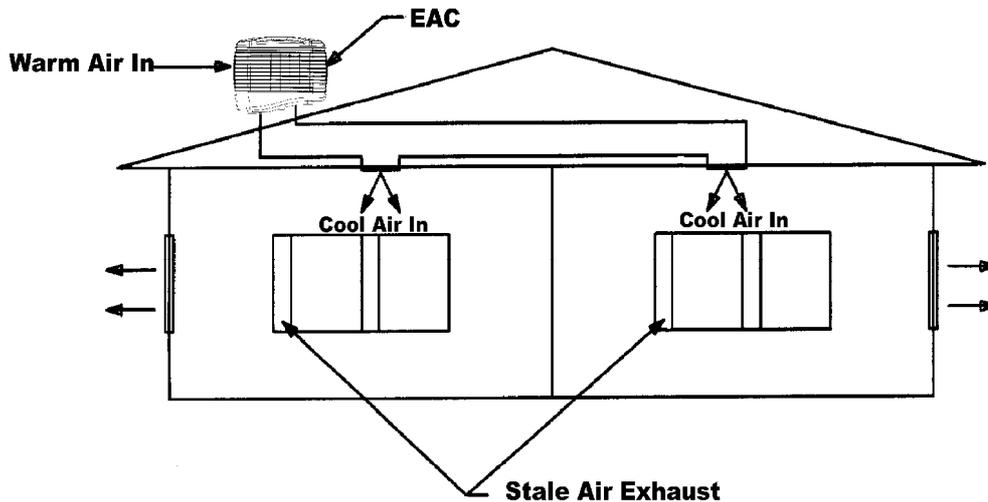
Please keep this important manual in a safe place. It is the owner's responsibility to ensure that regular maintenance is carried out on this Ducted Evaporative Air Conditioner. Failure to do so will void all guarantees beyond statutory and legal requirements.



Ducted Evaporative Air Conditioning

24. INTRODUCTION

Your ducted evaporative air conditioner is engineered to meet the rigours of our harsh Australian environment. Operated and maintained in accordance with this manual, it will provide you with years of quiet, cool and environmentally friendly operation. Please take the time to read this manual.



The principal of your unit is to introduce fresh air, which is washed through the filter pads to provide cool fresh air. The air is exhausted taking with it any heat in the home.

GENERAL INFORMATION

If the supply cord is damaged, it must be replaced by a special cord or assembly available from the manufacturer or it's service agent.

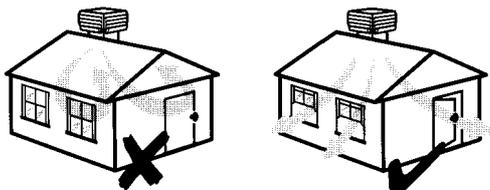
The unit is suitable for operation on mains supply, water pressure min 100kPa , max 500kPa.

25. UNIT OPERATION

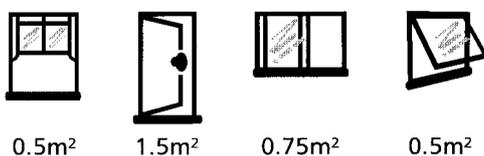
EXHAUST

It is essential for successful operation of evaporative air-conditioning that there are sufficient exhaust openings in the area to be ventilated. Open doors and windows will usually provide this.

The minimum exhaust opening should be as per the table guide set out below. It is recommended that ceiling vents or exhaust fans be used where there is any doubt about there being sufficient exhaust area available. Ceiling exhaust fans or ceiling vents should have a capacity equivalent to that of the Evaporative air conditioner.



Vent Area for Doors and Windows



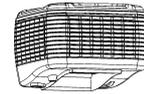
0.5m²

1.5m²

0.75m²

0.5m²

MODEL	MINIMUM EXHAUST AREA
Small	0.85 m ²
Medium	1.19 m ² to 1.48 m ²
Large	2.02 m ²



Ducted Evaporative Air Conditioning

WATER MANAGEMENT

All evaporative air conditioners need some water to go to waste to prevent build-up of mineral deposits in the system. Your unit has been supplied with an Aquamiser as well as a bleed control system to provide maximum options for best water management.

The correct setting of the Aquamiser and bleed will ultimately govern the life of the unit. Should there be evidence of a build up of mineral deposits in the unit, review the dump and or bleed-off values.

Failure to manage the correct levels of non dissolved solids in the unit will void warranty. Refer to your local dealer for best settings.

AQUAMISER

The Aquamiser operates as a dumping valve. Whenever the fill valve is de-energised or energised, the dump motor is driven open or closed.

Dumping cycles will have to be activated and set in accordance with the water quality in your area. In areas of good water quality, the correct dumping cycle only may suffice and the bleed-off function in the DIALFLO may not be required. Increased water hardness may require a bleed rate as well as a dump cycle and increased maintenance.

Drainage from the Aquamiser must be plumbed away in accordance with local and state plumbing requirements. However this water could also be stored in a non drinking water tank for other use.

SET THE WATER DISTRIBUTION FLOW RATE

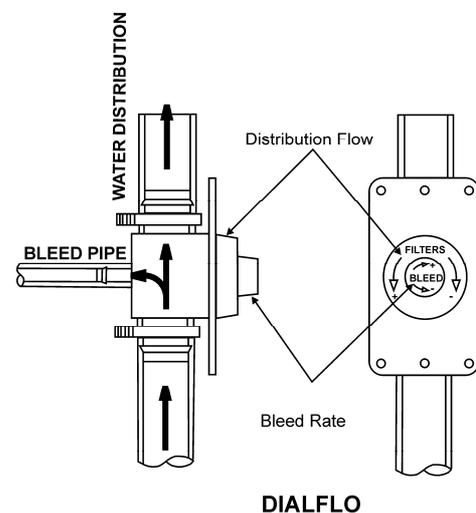
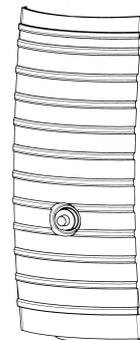
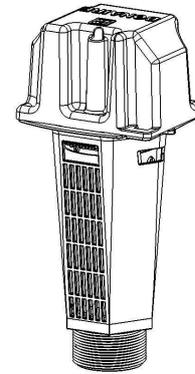
To set the water distribution rate locate the DIALFLO externally on one of the unit corner posts. Rotate the filter knob (the outer knob) anti-clockwise for more water and clockwise for less water. Do this before setting a bleed rate.

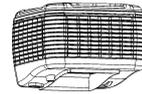
NOTE: *If flow rate set incorrect, a lack of cooling may be experienced or damage to the unit/ house may occur. Call your Dealer/Installer.*

SET THE BLEED-OFF RATE

Use the DIALFLO to rotate the BLEED knob (the inner knob) clockwise for more water flow and anti clockwise for less.

Note: Hold the distribution knob (Filters) while setting the bleed rate as the distribution flow rate may go out of adjustment.





Ducted Evaporative Air Conditioning

26. USING YOUR NAVIGATOR CONTROLLER

Your Navigator Controller will operate your ducted evaporative air conditioner in 4 ways Manual, Thermo, Boost and Fan.

NOTE: Your Navigator Controller is designed to automatically detect the appliances you have installed. Controller options not required for your appliances will usually not be visible on your Navigator Controller display. So not all icons may be shown on your Navigator Controller, only available options

MANUAL MODE

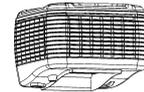
1. Turn the Navigator Controller ON by pressing the **ON/OFF** button. If there is only an evaporative ducted air conditioner fitted, the Navigator Controller will display the COOL icon.
2. Press the **MODE** button until the Manual icon appears on the display and press the **ENTER** button to select Manual mode.
3. Press the  or  button to decrease or increase fan speed. Your Navigator Controller provides 7 levels operation.
4. To turn the unit OFF press the **ON/OFF** button.



THERMO MODE

1. Turn the Navigator Controller ON by pressing the **ON/OFF** button. If there is only an evaporative ducted air conditioner fitted, the Navigator Control will display the COOL icon.
2. Press the **MODE** button until the Thermo icon appears on the display and press the **ENTER** button to select the Thermo mode.
3. Press the  or  button to decrease or increase the temperature. Minimum bars = warmer, Maximum bars = cooler.
 - Set the temperature scale to a relative point where you feel comfortable.
 - The fan will now adjust itself up and down according to the relative comfort level automatically.
 - As the room temperature nears the selected comfort level, the water pump will turn off with the fan still running. The fan will only stop if the room temperature is more than 1 degree below the required comfort level.
4. To turn the unit OFF, press the **ON/OFF** button.





Ducted Evaporative Air Conditioning

BOOST MODE

In BOOST mode the cooler runs both the pump and the fan at maximum output level. To use the BOOST mode,

- Press the **MODE** button until the BOOST icon appears on the display and press the **ENTER** button to select the Boost mode. All the 8 bars are displayed indicating full fan speed.
- Press the **MODE** button again to change to a different mode.



FAN MODE

The Navigator Controller provides 8 levels of Fan Only operation. The cooler runs the fan only with the output level set directly by the user (The unit will not cool in the FAN mode). To use the Fan mode

- Turn the Navigator Controller ON by pressing the **ON/OFF** button.
- Press the **MODE** button until the Fan icon appears on the display and press the **ENTER** button to select the Fan mode.
- Press the  or  button to decrease or increase the fan speed. You can set the fan speed up to 8 levels.

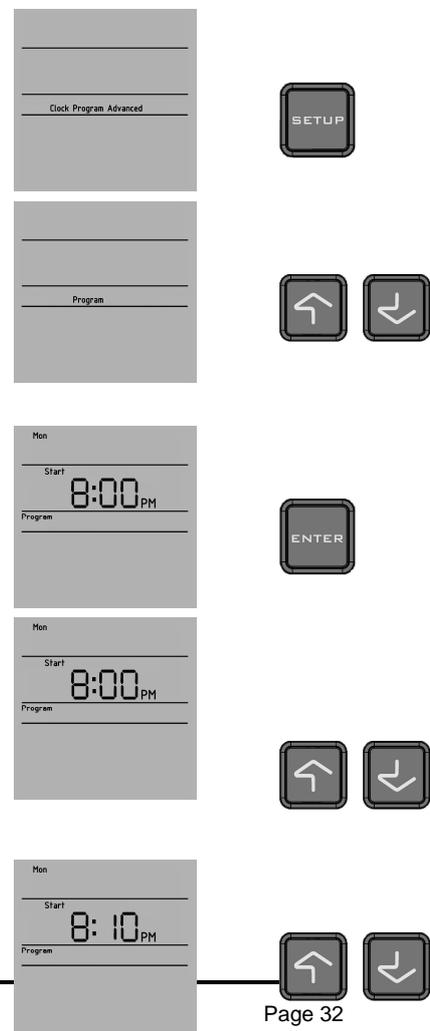


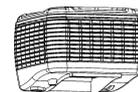
27. PROGRAMMED OPERATION

Your Navigator Controller can only allow the START/STOP time to be set for Evaporative Coolers. If your Navigator Controller is ON then you can set only the OFF time and if your Navigator Controller is OFF then you can only set the ON time for the Evaporative Cooler. The programmed operation is cancelled by pressing the ON/OFF button. To setup the program,

1. Press the **SETUP** button. Clock, Program & Advanced (OFF state only) icons will display on the screen. Clock is flashing.
2. Press the  or  button to select the Program and then press the **ENTER** button.
3. The HOUR icon will flash. Press the  or  button to set START/STOP hours and press the **ENTER** button to set the HOUR.
4. The MINUTE icon will flash. Press the  or  button to set START/STOP and press the **ENTER** button to set the MINUTES.
5. Press the **SETUP** button to go to the main display at any time.

Now your program has now been set. The Navigator Controller will turn ON/OFF your Cooler according to the program.





28. DUCTED EVAPORATIVE AIR CONDITIONER MAINTENANCE

GENERAL

All BONAIRE Ducted Evaporative Air Conditioners benefit from some general maintenance to ensure continued cooling efficiency and a long life. Maintenance is carried out at the beginning and end of summer to start up and close down your unit.

We recommend that all maintenance work be undertaken by our fully trained and accredited Service Technicians or an authorised Climate Technologies Service Provider.

The frequency of general maintenance will depend on local operating conditions such as water quality, air borne dust and pollen.

It is essential that your evaporative air conditioner is maintained in accordance with this manual. Failure to do so will affect the life of the product, reduce the level of efficiency and may void warranty.

For service Australia wide refer to the details on the service section of this manual.

NOTE: *The manufacturer and its agents reserve the right to refuse service unless safety and accessibility to the unit can be guaranteed. The cost of any extra equipment required to provide access to the unit for servicing is the responsibility of the owner.*

SAFETY: *Prior to commencing any maintenance isolate the unit from the power source. Ensure the roof is safe to access, your ladder is securely positioned and use suitable safety equipment.*

FILTER PADS

Visually check CELDEK pads for damage or blockage. Hose down pads from both sides to remove any build up of salts, dust and pollen. In dusty areas more regular cleaning is recommended. Check the water distributor, making sure it is clear and free from blockage. Failure to do so may lead to uneven water distribution and therefore less efficient operation.

WATER TANK

It is important to keep the water tank clean and free from sediment and algae growth. To clean the tank, use a soft brush or similar. Wipe all surfaces in the tank while it is full of water (DO NOT FORGET THE PUMP STRAINER). Turn off the water inlet to the unit (an Isolation Valve should be fitted to the water inlet before the Float Valve). Drain the tank by removing the 40mm standpipe. It may be necessary to repeat this procedure if the tank is very dirty.

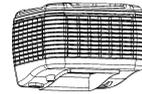
SAFETY: *Wet roofs are dangerous – Take Care When Draining Tank.*

WATER LEVEL / FLOAT VALVE

The water level should be set at nominal 65-70mm from the top of the overflow before filter pads are saturated. After run off from operating filters the level from the top of the overflow fitting should be 25 – 30mm. The float valve is a mechanical type and is factory set. If it requires adjustment, adjust the float ball, do not bend the arm. If the valve is leaking the seal may require cleaning or replacing. Turn off the water. Remove the split pin and then float arm. Remove piston and clean or turn seal. Flush system and replace piston, float arm and split pin.

Note: *Water supply line to float valve must be flushed before connecting. Some discharge from the overflow may be experienced after shut down due to water draining back from the Celdek pads. This is normal.*

Ducted Evaporative Air Conditioning



MOTOR AND FAN

Check that the fan spins freely and that there is no build up on the blades.

ELECTRICAL

No general maintenance is required to the electrical system.

A Qualified Electrician should only carry out electrical connections and maintenance.

BLEED OFF

The bleed rate should be checked to ensure it is adequate and that there is no build up of mineral deposits in or on your air conditioner. White deposits indicate high mineral content and the Bleed Rate should be increased. If it is at maximum and the deposits are still forming, then more regular maintenance is required.

PUMP

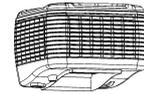
Check the pump spins freely and that the strainer is clean.

WATER DISTRIBUTION

Check the water distribution system for blockage. Check the delivery tube for kinks or holes. Check that the clamps are secure and in place.

NO SEASONAL MAINTENANCE

Your unit has been supplied with an Aquamiser. As long as the Aquamiser has been fitted, there is no need for regular checking of the system during the operating (summer) period. This however does not remove the responsibility of the customer to have the unit serviced on an annual basis to check the unit function and to ensure the unit is clean and free from any mineral deposit build up.



Ducted Evaporative Air Conditioning

29. PROBLEM SOLVING

PROBLEM	PROBABLE CAUSE	REMEDY
Unit fails to start	a Black – out	a Wait
	b Tripped Circuit Breaker	b Reset
	c Blown Fuse	c Replace
	d Electrical Fault	d Place a service call
Pump fails to start	a Pump Seized	a Place a service call
	b Pump Burnt Out	b Place a service call
Water leaking from overflow	a Float Valve Leaking	a Check adjustment or replace seal
	b Drain from Celdek Pads	b Normal Operation
Water Droplets in air stream	a Loose Delivery Tube	a Place a service call
	b Break in tubing	b Place a service call
	c Pump Delivers Excessive Water to Pads	c Adjust dial flow valve
Excessive humidity	a Inadequate Exhaust	a Provide more open area to exhaust stale air
	b Outside humidity high	b Turn pump off.
Inadequate Cooling	a Dirty Filters	a Place a service call
	b Dry Filters	b Place a service call
	c Dialflo not set correctly	c Adjust dial flow valve
Unpleasant Odor	a Unit located near odor source	a Remove source
	b New Celdek filter smell	b Smell will disappear after a period of operation.
Rapid formation of white deposits on pads	High Mineral Content	Call Installer

THIS TROUBLE SHOOTING GUIDE IS A REFERENCE ONLY.

**FOR SERVICE OR WARRANTY REQUIREMENTS PLEASE REFER
TO THE LAST PAGE OF THESE INSTRUCTIONS**



Controls- Installation / Setup / Commissioning

30. SETTING UP THE NAVIGATOR CONTROLLER - GENERAL

BEFORE STARTING

Before attempting to use the setup instructions for the controls system, make sure the transceiver (RF units only) or the low voltage cable is connected, batteries have been correctly installed in the Navigator Controller (RF) and the 240 volt power has been turned on to the product.

NOTE: Do not run the low voltage loom in long parallel runs with 240V mains cables. Keep the low voltage loom 200mm away from any long runs of mains wiring. Cross over mains wiring at right angles. Do not use existing access holes in wall cavities where 240V mains wiring exist. Drill a new access hole 200mm from the existing hole.

INSTALLATION

Where the control is using the thermostat for operation, it must be installed approximately 1.5 meters above the floor level on a room wall which is most commonly used for the best temperature sensing.

Secure the Navigator Controller cradle to the wall using the screws and plugs provided.

- For hard wired versions drill an access hole through the cradle to bring the cable into the control. Once connected snap the control into the cradle.
- For Navigator Controller (Remote) install batteries and slide the Navigator Control into the cradle. The Navigator Controller should remain in the cradle during normal operating conditions for optimum temperature thermostat control.

Do not locate Navigator Controller near concealed hot or cold water pipes, warm air ducts, radiators, sunlight, televisions or draughts from hallways, stairways and fireplaces external walls. These can all affect the temperature.

Remote Control Units ONLY

Ensure the transceiver has been installed at least 500 mm clear of all metal masses. The transmissions between the Navigator Controller (RF) and the unit control box are radio signals which are subject to interference. The primary causes for signal interference are:

- Metal Construction buildings or metal masses near the antenna.
- Incorrect location of the antenna
- Cordless RF door bells
- Other Faulty appliances
- Navigator Controller too close to computers
- Powerful radio scanners

If transmission cannot be achieved successfully a low voltage cable control will need to be installed by the installer.





31. COMMISSIONING CHECK LIST

GENERAL

- All equipment ordered by the customer is installed.
- The unit is level and secure.
- The mains and control wiring are complete, the circuit breaker and GPO are turned ON.
- All Controller functions for the appliance operate.
- All electrical or gas connections are to manufacturers specifications and the relevant electrical or gas standards and codes.

DUCTED EVAPORATIVE AIR CONDITIONER UNIT

- The water supply line has been flushed to clear swarf and debris and is free of leaks.
- The tank is free of foreign matter and debris and the water isolating tap is turned ON.
- Water drainpipe work is completed and sealed.
- The water basin fills with water and the float valve closes correctly when the water level is 65-70mm below the overflow level.
- The water pump operates correctly when turned ON at the controller.
- The Dialflo water bleed rate is adjusted to suit local water conditions – if required.
- The tank drains correctly when unit turns off.
- The fan deck is correctly located and the fan blade spins freely.
- The fan operates through the entire speed range.
- The minimum & maximum fan speeds is correctly set.
- Water distribution is even with the filter pads fitted and the air conditioner operating pump and fan.

DUCTED CENTRAL HEATING UNIT

- Electrical polarity of the power outlet is correct.
- Heater is installed away from sources of dust and fumes (i.e. pool chlorine/petrol etc).
- Checked for gas leaks, none present.
- Flue outlet pipe complies with limits given / code and is sealed waterproof.
- Combustion air meets requirements (internal, under floor).

Controls- Installation / Setup / Commissioning



- Fan speed settings are correct.
- Burner pressure is correct.
- Mounting pad/platform complies with requirements / codes.
- Internal unit access platforms & service light fitted and complies with codes.

DUAL CYCLE REFRIGERATED AIR CONDITIONING UNIT

- Unit Foundation correct and Condenser unit is level
- Leak test performed
- System vacuumed down
- Condenser service valves opened.
- System is charged with additional charge as required
- All clearances around the condenser set to manufacturer's specifications.

DUCTWORK

- All ductwork is completed to plan, correctly supported and airtight, with no bend less than 1.5 x the ductwork diameter.
- Air distribution checked, dampers are adjusted and all outlets correctly adjusted and wiped clean.
- All roof penetrations are fully sealed and watertight.
- Manhole cover replaced.

SITE

- All rubbish has been removed from inside and on the roof.

CUSTOMER HAND OVER

- The operation of the Controller.
- The need to open windows and doors for the correct operation of Ducted Evaporative Air Conditioning
- The operation of the bleed or dumping system and it's importance to operate all the time in ducted Evaporative cooling
- Maintenance requirements

Warranty – Australia ONLY



⚠ IMPORTANT

Please read this warranty information and complete the Dealer/Product information on the following page. KEEP this with your original purchase documents for any claim under warranty.

Firstly refer to your owners manual to ensure you have followed the correct operating procedures of your product, and refer to the trouble shooting guide to assist solving any problems you may have.

1. Read this warranty statement carefully before you request warranty service as items relation to installation are not covered by this appliance warranty.
2. A proof of product purchase must be provided for warranty service, to validate the appliance is within the manufacturer's warranty periods.
3. This warranty is only for products and associated original controls for Climate Technologies manufactured product.
4. Only an authorised Climate Technologies service provider must carry out warranty service.

Climate Technologies provides the following Manufacturers warranty additional to all implied warranties and other statutory rights which you may have under the Trade Practices Act and similar State & Territory Laws, subject to the following terms and conditions.

CONDITIONS TO WARRANTY

- Subject to the exclusions noted, Climate Technologies warrant the product for the period as prescribed in the table following this statement to be free from Inherent defects in materials and workmanship for functional and structural components.
- This product is only valid if the product is operated in accordance with the manufacturers instructions
- The appliance must not be modified or changed in any way.
- Your proof of purchase MUST be produced before free service will be provided.
- Traveling time and mileage are included within 30km of either your authorised Climate Technologies dealer or service provider's premises. Customers in areas other than the above are responsible for any traveling time and mileage required to carry out warranty repairs.
- The product must be installed by a qualified person in the manner prescribed by local & statutory regulations and to the manufacturer's specifications.
- Service within the terms of this warranty will be recognised where we are satisfied that the appliance or part was supplied within the relevant time limits. Documents of purchase and Dealer/Installer information will assist in this process.
- Product fitness for purpose and overall system design / sizing is solely the responsibility of the dealer / installer. This includes but is not limited to heat load calculations, air flow, system balancing, humidity, water quality etc.
- The product must be installed in an easily and safe accessible area for service, appliances installed in areas not easily and safely assessable, costs will be borne by the owner for access equipment should maintenance be required.

DIY INSTALLATION WARRANTY

- If the product has been installed as a DIY, a supply part only warranty will apply. Parts only will be supplied free of charge on the return of the faulty part and the owner will be responsible for all labour charges incurred for the part to be fitted by a qualified person. Labour warranty as prescribed in the following table is void in this situation.

REMOTE LOCATION WARRANTY

- If the product has been installed outside the Climate Technologies service network, a supply part only warranty will apply. Parts only will be supplied free of charge on the return of the faulty part

Warranty – Australia ONLY



and the owner will be responsible for all labour charges incurred for the part to be fitted by a qualified person. Labour warranty as prescribed in the following table is void in this situation.

EXCLUSION TO WARRANTY

- Consumable items subject to wear and tear such as filter pads, drive belts and bearings are not covered by this warranty.
- Components used as part of the installation such as grilles, filters, ducting, fittings, zone motors and consumer services pipe work are warranted from your place of purchase and not covered by this warranty.
- Damage caused by elements such as wind, rain, lightning, floods etc along with power spiking and brownouts are not considered defective material or workmanship and as such are not considered warranty.
- No responsibility will be accepted for outside elements such as pests, animals, pets and vermin that may cause damage to the unit.
- Harsh environmental situations such as salt air that may cause cabinet damage / rusting can not be considered warranty.
- The manufacturer does not accept liability or any claims for damage to building contents, carpet, walls, ceilings, foundations or any other consequential loss either direct or indirect. Damage resulting from, power spikes, incorrect operation, incorrect installation, incorrect maintenance is also not covered.
- All warranties are NOT transferable.

CONDITIONS WHERE WARRANTY MAY BE VOID

- If there is no certificate of compliance for plumbing, electrical or refrigeration as required by State & Territory Laws. Climate Technologies reserves the right to refuse service on non-compliant installations.
- The defective operation of the appliance that is due to failure of electricity, gas, water or refrigerant gas supplied.
- Defects caused by neglect, incorrect application, abuse or by accidental damage of the appliance.
- An unauthorised person has attempted to repair the appliance.
- A situation arises referenced in the trouble-shooting guide.
- A charge will be made for work done or services call where there is nothing wrong with the appliance.
- A charge will be made for RF interference service calls.

AGED NEW PRODUCT WARRANTIES

For a New Product warranty to apply, a product needs to be sold and installed within 3 years of the manufacturing date.

Product that is aged as the result of extended storage or being used for demonstration purposes, the following warranty will apply.

- For a product that is greater than 3 years and less than 5 years old from date of manufacture the statutory warranty will apply and any voluntary warranty originally supplied will be reduced by 1 year
- For a product that is greater than 5 years of age from date of manufacture, the statutory warranty will apply to electrically functioning components only. All other components being cabinets, louvres, filters etc. will not be covered by warranty.

Warranty – Australia ONLY**PERIODS OF WARRANTY – YEARS BY PRODUCT AND APPLICATION:****DUCTED GAS HEATING**

Unit Components	RESIDENTIAL		COMMERCIAL	
	Parts	Labour	Parts	Labour
Heat Exchanger	10	3	2	2
Burner	10	3	2	2
**All other components	3	3	1	1

** Return air filter/s and zone motors are field supplied and therefore are not covered by the above warranty periods.

DUAL CYCLE REFRIGERATED AIR CONDITIONING

Unit Components	RESIDENTIAL		COMMERCIAL	
	Parts	Labour	Parts	Labour
Compressor	5	5	2	2
All other components	5	5	2	2

** Return air filter/s and zone motors are field supplied and therefore are not covered by the above warranty periods.

DUCTED EVAPORATIVE AIR CONDITIONING - DOMESTIC

Unit Components	RESIDENTIAL		COMMERCIAL	
	Parts	Labour	Parts	Labour
Corrosion on Cabinet	25	3	2	2
Structural Guarantee	10	3	2	2
** All other components	3	3	1	1

** Filter pads are a consumable and are therefore not covered by this warranty

2 Year Extended Warranty

Where a 2 year extended warranty has been sold / provided, a validation service must be conducted during the 3rd year of the product's life. The validation service form must be signed by a Climate Technologies service technician or a Climate Technologies approved service provider for any warranty work to be valid during years 4 and 5 of the product life.

Warranty – Australia ONLY



WARRANTY ON REPLACEMENT PARTS:

Parts replaced under warranty are warranted for the balance of the original warranty period.

PROOF OF PURCHASE:

It is important that the name of the Dealer or Retailer from whom you purchased your product and the name of the installer are recorded on this page. The installer is responsible for the correct installation, start up and demonstrating the operation of this product. The Dealer or retailer is also responsible for issuing the relevant certificates of compliance for the electrical, plumbing & refrigeration connections. (These may differ from state to state)

Please attach your proof of purchase here. Your receipt is your warranty and will be required to validate any warranty.

DEALER PRODUCT INFORMATION:

Dealer/Retailer:	
Dealer Address:	
Dealer Phone Number:	
Unit Model Number:	
Serial No:	
Date Installed:	
Installed by:	
Date Commissioned:	
Commissioned by:	Signature:



SERVICE CENTRES:

Only qualified service personnel should conduct any service work carried out on your ducted BONAIRE Heating and Cooling system. It is important that periodical service is carried out on your product to ensure you will receive the efficiency benefits the product provides.

For Metro Service only ring the numbers below.

South Australia	1300 665 087	Email: saservice@climtech.com.au
New South Wales Queensland	1300 665 087	Email: nswservice@climtech.com.au
Australian Capital Territory	1300 665 087	
Western Australia	1300 665 087	Email: waservice@climtech.com.au
Victoria/Tasmania	(03) 8795 2456	Email: vicservice@climtech.com.au
Mobile Callers all states	03 8795 246	

Outside Metro areas please contact your nearest Climate Technologies Service Provider.



“Excelling today for a better tomorrow”

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