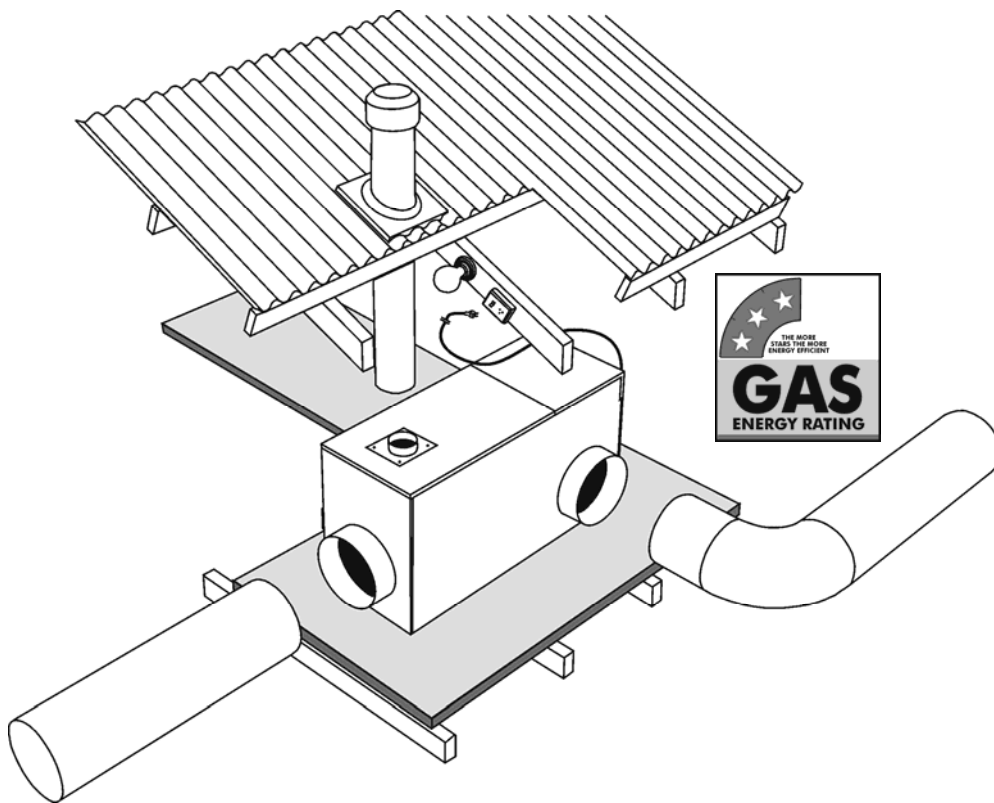

Owner's Manual

3 Star Mid Efficiency Ducted Gas Central Heater



Owner's Operation and Maintenance Manual

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 Gas Central Heater. Failure to do so will void all guarantees beyond statutory and legal requirements.

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Introduction

CONGRATULATIONS ON YOUR CHOICE.

Congratulations on purchasing this 3 star mid efficiency gas central heating system, an exciting new product manufactured by Climate Technologies.

Wholly designed and manufactured in Australia, this Mid Efficiency Ducted Gas Central Heater represents 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 this Mid Efficiency Ducted Gas Central Heater, please read these instructions carefully and keep them handy for future reference.

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

GENERAL INFORMATION

Important Notice

If an appropriately qualified 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.

Data Location

Your appliance model number, serial number and model description are located on the appliance data plate on the end of the heater in the vicinity of the electronic controls access. 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 Mid Efficiency Ducted Gas Central Heater. Your Dealer or installer will carry out all assembly and commissioning upon installation

Introduction

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.

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 Mid Efficiency Ducted Gas Central Heater has all the safety devices to ensure safe operation. These devices conform to the standards set out by the Australian Gas Association.

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.

Should there be an interruption to the gas supply, the heater will endeavour to re light 3 times and if unsuccessful will lock out. (This is part of the safety features). Should this occur the heater would need to be reset. Please refer to your problem-solving chart.

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

Operating the Unit

OPERATING INSTRUCTIONS

Before operating your mid efficiency central heater ensure the following: -

1. The product has been commissioned ready for use.
If you have not been shown how to operate the unit or the appliance has not been commissioned, please contact your installer.
2. The gas isolating cock is in the ON position.
3. The power is turned on to the unit.

Your mid efficiency central heater has **NO** pilot to light.

Your Mid Efficiency Ducted Gas Central Heater may come with either one of a range of operating controls depending on which model you have purchased. Listed below are the different controls and their operation.

The “Quick Start” is a general operating instruction. You should refer to the individual controls listed further below for more detailed instruction.

Thermostat Function

The function of the room thermostat is to maintain the room temperature at the set temperature selected.

Once the heater has reached set temperature the unit will stop. Once the room temperature has dropped below the set temperature the unit will restart maintaining as close as possible the set temperature.

Quick Start

- To operate your central heater follow these steps: -
 1. Switch the thermostat control to the ON position.
 2. Adjust the temperature to a setting higher than room temperature.
 3. The unit will commence heating in approximately 30 seconds.
 4. When turning the unit off, the fan will continue to run for approximately 80 seconds for the cool down cycle.
Should the heater not light the first time turn the thermostat to the OFF position and repeat steps 1, 2 &3.
- The heater will not operate without 240-Volt power supply to the unit.
- Should there be an interruption to the power supply during the heating operation the controls will automatically turn off the gas.

Do not close off floor or ceiling registers without referring to your installer about the duct design. Closing of registers may cause your heater to stop because of over temperature and cause an unnecessary service call not covered by warranty.

Control Options

Manual Wall Thermostat - PNE

To operate your control simply press the ON / OFF button. The unit will then display the default or last used settings and will be ready to operate. Any changes made to the control settings will have a 3 second delay before the unit responds.

Heating Operation

STEP 1 To turn the control on, press and release the **ON/OFF** button. If there is only a central heater HEAT will automatically display.

STEP 2 Press the **UP DOWN** buttons to increase or decrease the SET TEMP.

STEP 3 The control measures the room temperature using a thermostat inside its case. When the ROOM TEMP is cooler than the SET TEMP the heater will come on after approximately a 30 second ignition process. The flame symbol will be displayed on the control to indicate the heater is on followed by the fan symbol when the fan comes on.

The function of the room thermostat is to maintain the room temperature at the SET TEMP selected.

Once the heater has reached set temperature the unit will stop. Once the room temperature has dropped below the set point the unit will restart maintaining the SET TEMP.

STEP 4 Press the **ON/OFF** button to switch the heater OFF.

CLOCK Setup

To set the 12 hour clock

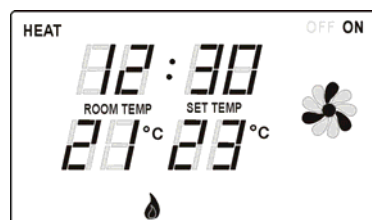
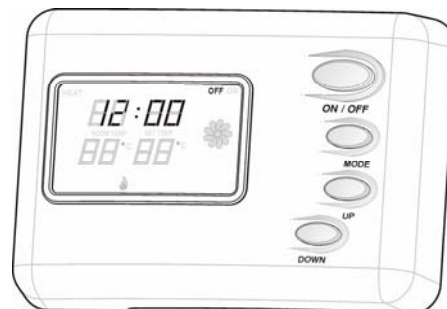
STEP 1 Turn the control to OFF.

STEP 2 Press the UP or DOWN button for 3 seconds to activate time change

STEP 3 Using the UP button, adjust the hours. Adjustment is forward only.

STEP 4 Using the DOWN button, adjust the minutes. Adjustment is forward only.

Time setup is now complete. Turn unit on to resume operation of your product.



Control Options

Programmable Wall Thermostat

To operate your Mid Efficiency Ducted Gas Central Heater fitted with this electronic wall thermostat: -

1. Turning the unit ON.

- Press the ON/OFF button to turn the heater on or off.

2. Setting the Temperature

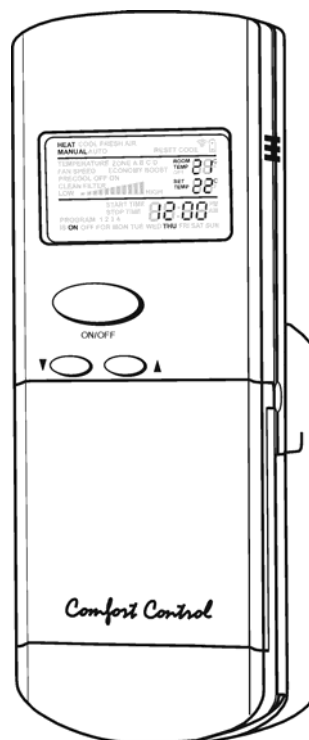
- Using the up down button, adjust the set temperature to the desired comfort level.
- The Set Temp will flash for 15 seconds before locking in.
- Once the temperature set is greater than the room temperature the heater will begin operation.

3. Turning the unit OFF.

- Press the ON/OFF button to turn the heater off.

4. Programming the Control

- Refer to the owner's manual provided with the programmable thermostat.



The function of the room thermostat is to maintain the room temperature at the set point selected. Once the heater has reached set temperature the unit will stop. Once the room temperature has dropped below the set point the unit will restart maintaining the set temperature.

For setting the time and other programming options refer to your owner's manual provided with the programmable thermostat.

Note Please: Not all functions described in the programmable thermostat owner's manual are available with the 3 star non modulating heating units e.g. modulating gas rate, modulating room air fan, interface with only some evaporative coolers.

Unit Maintenance

CLEANING

Warning: Before commencing any maintenance work on your unit, isolate the power at the supply (Fuse Box).

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.

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.

RETURN AIR GRILLE FILTER.

If your heating system has a filter in the return air grille, it is extremely important is cleaned on a regular basis 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.

OTHER ITEMS

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

SCHEDULED MAINTENANCE

Your Mid Efficiency Ducted Gas Central Heater should be serviced annually to ensure trouble free operation. Please contact the service division as per page 15.

Problem Solving

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 cock is turned on. 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 cock is turned on. Call the installer to commission the unit.
4.	Is the set temperature greater than the room temperature?	Yes	Press the reset buttons or turn the unit off 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? (Electronic Controller only)	Yes	The heater may be programmed to be OFF. To operate the heater manually press the Manual / Auto button until the MANUAL 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: 1. Turn the power OFF then ON at the power point 2. Turn the control to OFF 3. Pressing the reset button on the circuit control board
		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 PRODUCT WARRANTY SECTION OF THIS DOCUMENT.

Control Setup

Before Starting

Before attempting to use the setup instructions for the controls system, make sure the low voltage cable is connected and the 240 volt power has been turned on to the heater / cooler.

INSTALLATION

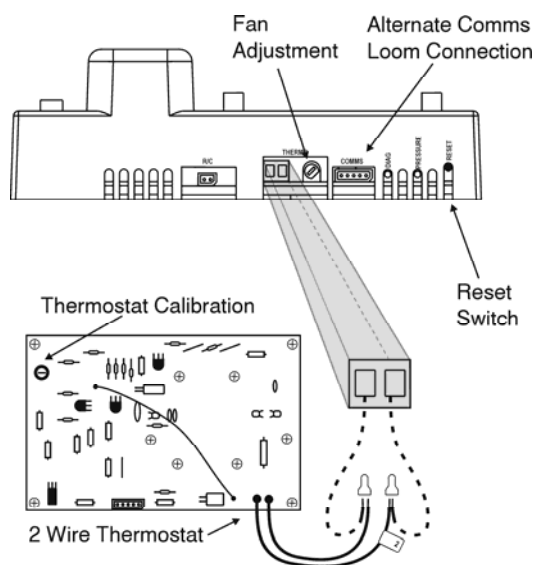
The thermostat must be installed approximately 1.5 metres above the floor level on a room wall which is most commonly used for best average sensing.

Do not locate control near concealed hot or cold water pipes, warm air ducts, radiators, sunlight, or draughts from hallways, stairways or fireplaces and seal against draughts through wall cavities. These can all affect the correct temperature sensing.



Manual Thermostat - PNE

- **Installation** – Fix the mounting plate to the wall.
- **Connection** – connect the 2 wires to the fly leads on the wall control board. Once the correct polarity has been established, use the crimp connectors to secure the connection. Place connectors in the wall cavity.
Note – POLARITY of the 2 wires is important. If the polarity is incorrect the unit will start immediately without instruction from the control.
- Once the wiring connection has been made snap the control onto the mounting plate.
- **Temperature Calibration** – The thermostat comes pre-calibrated from the manufacturer. However, should the thermostat require re-calibrating, use the following procedure.



- STEP 1** Remove the control from the mounting panel.
- STEP 2** Turn the control ON.
- STEP 3** Turn the control OFF holding the ON/OFF button down until all icons are displayed in the control and release.
- STEP 4** Wait 10 seconds for the control to complete the auto code. Turn control ON.
- STEP 5** On the control board adjust the ROOM TEMP by rotating the thermostat calibration knob.
There is only 10 seconds available to adjust the temperature indicated by the ROOM TEMP value flashing. To further adjust repeat steps 3, 4 and 5.
- STEP 6** Replace the thermostat to the mounting base.

Programmable Thermostat

Refer to the installation details provided with the thermostat.

Commission Check List

GENERAL

- All equipment ordered by the customer is installed.
- The unit is level and secure.
- The mains and control wiring are complete and 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.

UNIT – DUCTED HEATING

- Electrical polarity of the power outlet is correct.
- Heater is installed away from sources of dust and fumes (ie. pool chlorine/petrol etc).
- Gas leaks checked for, none present.
- Flue outlet pipe complies with limits given / code and is sealed waterproof.
- Combustion air meets requirements (internal, under floor).
- Fan speed set is correct.
- Burner pressure is correct.
- Mounting pad/platform complies with requirements / codes.

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.
- Man-hole cover replaced.

SITE

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

CUSTOMER HAND OVER

- The operation of the Thermostat Wall Control.
- Operation of zones (where fitted) and air outlets.
- Maintenance & service requirements.

Warranty – Australian Only

APPLIANCE WARRANTY STATEMENT

Subject to the following conditions Climate Technologies provide, from the dated proof of purchase, the following warranty:

- Functional components found within the unit to be defective in workmanship or material will be replaced free of charge subject to the periods of warranty specified.
- Structural components within the product that fail to perform the intended function due to faulty manufacture or deterioration will be replaced free of charge subject to the periods of warranty specified.

This warranty only covers products and associated controls covering ducted gas central heating, add-on refrigerated air conditioning and ducted evaporative air conditioning manufactured and supplied by Climate Technologies.

Conditions and Exclusions

- Appliance warranty does not cover installation components that may be attached to the product manufactured by Climate Technologies. These may include and is not limited to items such as ducting, flues, grills, piping etc. These items remain solely the responsibility of the dealer / installer.
- Product fitness for purpose and overall system design / sizing are solely the responsibility of the dealer / installer. This includes but is not limited to:
 - Evaporative air conditioners - heat load, air flow, system balancing, humidity, water quality etc.
 - Central heating / add-on cooling - heat load calculations, air flow, system balancing etc.
- Travelling 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 travelling 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.
- A charge will be made for work done or a service call where:
 - There is nothing wrong with the appliance.
 - The defective operation of the appliance is due to failure of electricity or gas or water supply.
 - Defects are 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.
- 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.
- If there is no certificate of compliance for plumbing or electrical, Climate Technologies reserves the right to refuse service on non-compliant installations.
- 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 or electronic damage can not be considered warranty.
- Claims for damage to contents, carpet, walls, ceilings, foundations or any other consequential loss either direct or indirect resulting from, power spikes, incorrect operation, incorrect installation or faulty product are excluded.
- All warranties are NOT transferable.

NOTE: In addition to this warranty, the Trade Practices Act and similar laws in each state provide the owner, under certain circumstances, with minimum statutory rights in relation to the product.

This warranty must be read subject to that legislation and nothing in this warranty has the effect of excluding, restricting or modifying those rights.

Warranty – Australian Only

PERIODS OF WARRANTY – YEARS

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

WARRANTY ON REPLACEMENTS PARTS.

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

Warranty – Australian Only

POOF 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 is recorded on this page. The installer is responsible for the correct installation, start up and demonstrating the operation of this product. He is also responsible for issuing the relevant certificates of compliance for the electrical and gas connections. (These may differ from state to state)

Please attach your proof of purchase and certificates of compliance here. Your receipt and compliance certificates are your warranty and may be required as Climate Technologies reserves the right to refuse service on non-compliant installations.

DEALER / PRODUCT INFORMATION

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

Service

A qualified service technician should conduct any service work carried out on your ducted gas central heating. It is important that periodical service is carried out on your product to ensure you will receive the efficiency benefits the product provides.

An authorised Climate Technologies service provider must carry out warranty service.

Service Division.

For Metro Service Only Ring the Number Below

South Australia/ Northern Territory	(08) 8307 5230
New South Wales / Australian Capital Territory	(03) 8795 2457
Western Australia	(08) 9454 1000
Victoria/Tasmania	(03) 8795 2456
Queensland	(07) 4634 1803

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

New Zealand (ABERGAS LTD)	0800 161 161
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“Excelling today for a better tomorrow”

Manufactured by
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