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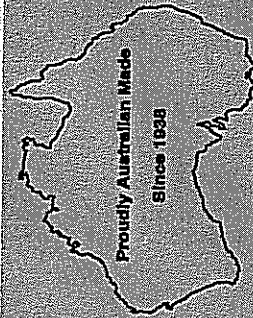
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WARRANTY & SERVICE
1 300 650 644



Braemar Industries Pty Ltd/ACN 006 610 617
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Part No. 611143

Manufacturers and Designers of Technically Advanced Quality Heating and Cooling Products



Braemar

Gas Heating

**GAS DUCTED HEATER
TE / TX SERIES**



Home Owners Manual

IMPORTANT

Record the Serial No. and Model No. of the heater here.

<p>LABEL</p> <p>Serial No & Model No</p>
--

Date of Installation: ____ / ____ / ____

Installer: _____

SERVICE

Before calling for service have you:

1. Checked through the trouble shooting guide.
2. Noted the Serial No. & Model No. of the heater.
(if they are not recorded above, the numbers are located on the side of the heater.)
3. Spoken to your Braemar Dealer / Installer.

FOR SERVICE CALL : 1 300 650 644

INDEX

Topic	Page
General.	1
Setting Up.	2
Turning the Heater On.	3
The Comfort Controller.	4
Button Functions.	5
Display Functions.	6 - 9
Special Features.	10 - 11
Stored Auto Program.	12
Changing the Auto Program.	13
Programming the Wake Period.	14 - 15
Programming the Away Period.	16 - 17
Programming the Home Period.	18 - 19
Programming the Sleep Period.	20 - 21
Trouble Shooting	22



GAS DUCTED HEATER TB / TE / TX SERIES

GENERAL

INTRODUCTION

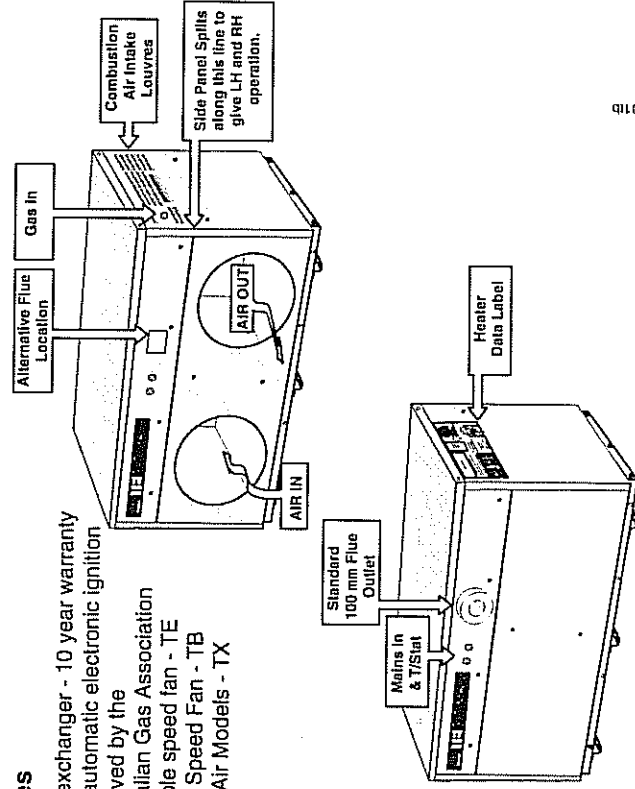
Congratulations on choosing a Braemar Gas Ducted Heating Unit. Your Braemar Heater is built from the highest quality materials and is engineered to provide many years of trouble free performance. Please take a moment to read these instructions.

Delivery

The customer or installer, upon delivery of the heater should ensure that the model number and gas type is as requested. A data label on the end of the heater details both the model number and gas type. Please check the heater and report any freight damage.

Features

1. Heat exchanger - 10 year warranty
2. Fully automatic electronic ignition
3. Approved by the Australian Gas Association
4. Variable speed fan - TE
5. Three Speed Fan - TB
6. Extra Air Models - TX



011000H

Designed and manufactured in Australia to exacting standards.

SETTING UP

Important.

Before operating the heater, please ensure that the following precautions are strictly adhered to.



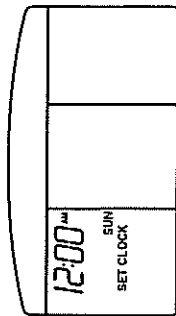
1. Do not place articles on or against the appliance.
2. Do not store flammable materials near this appliance.
3. Do not spray aerosols in the vicinity of this appliance while it is in operation.

*If the power to the heater has been OFF you will need to set the time on the Comfort Controller Thermostat (CCT).
If the power is ON and the time is set, go to the next page.*

Turn on the Power to the Heater.

The display shows

SET CLOCK and 12:00 flashing



Open the front door.

Use the UP/DOWN buttons



to set the time.



Press the SET button.

SET CLOCK and **SUN** flash.

Use the UP/DOWN buttons



to set the day.



Press the SET button.

Clock setting is complete.

if you have set the TIME or the DAY incorrectly, simply press the SET button and start again.

TURNING THE HEATER ON FOR THE FIRST TIME

Simply follow the steps below.

1. *Ensure the gas tap at the heater is turned on.*

2. *Turn the CCT ON.*



Press the ON/OFF button.

3. *Set the CCT to above the room temperature.*



Press UP button until the set temperature is above the original temperature displayed.

4. *The heater is now in automatic mode.*

The combustion fan will start.

After 15 seconds the sparkler will commence to spark.

As soon as the heater lights the sparkler will stop.

(it will normally take only 1 or 2 sparks for the heater to light)

After a short period of time, the room fan will commence to blow warm air through the vents.

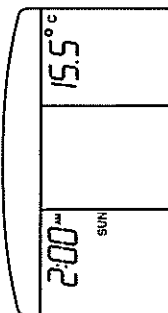
5. *Set the room thermostat to the desired temperature.*

When desired room temperature is reached the gas and combustion fan will turn off. The room fan will continue to run (about 2 minutes) to extract all the heat from the heat exchanger.

THE COMFORT CONTROLLER DISPLAY

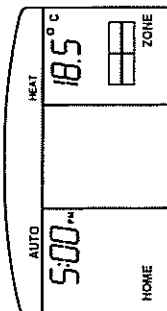
Below is an explanation of the stages the display on the CCT will show during normal heater operation.

1. The Controller is OFF.
When the heater is not in use the CCT displays as shown.
The heater is OFF

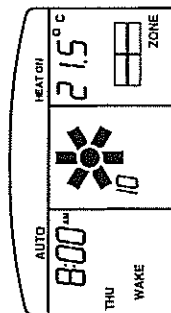


Press the ON/OFF button.

2. The Controller is ON:
in standby mode.
The heater is waiting for the room temperature to fall below the set temperature.



3. THE Controller is ON
The heater is operating, the room temperature is below the set temperature.



MAINTENANCE SCHEDULE

Periodic maintenance of the heater will ensure a long and satisfactory service life with the heater operating at optimum performance. Maintenance should be performed on a yearly basis by an Authorised person trained in the service of the Braemar Heaters.

If heater does not operate satisfactorily refer to the trouble shooting chart at the rear of this book or contact your Braemar Dealer.

Comfort Controller Thermostat (CCT) Button Functions.

On / Off Button.
Turns the controller and heater On or OFF

Home /Away Button.
Press to switch between Home operation and Away operation

Temporarily Increase Set Temperature

Temporarily Decrease Set Temperature

Reset Button.
Press to send a reset signal to the heater. Use if the CZC shows heater running but the heater is not.

Up Button.
Press to make adjustments in setting mode.

Down Button.
Press to make adjustments in setting mode.

Auto/ Manual Button.
Press to switch between Automatic and Manual heater control.

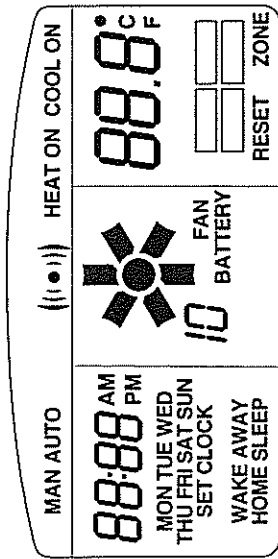
Zone Buttons.
Press to turn heating or cooling to a Zone on or off.

Set Button.
Press to enter the Clock or Program setting mode.

Fan Button.
Press to override the set fan speed.
The word fan will display for 5 seconds to allow adjustment to be made.

Heat / Cool Button.
Press to set CZC to control heater or cooler.

Comfort Controller Thermostat Display Functions.



The picture above shows all parts of the Liquid Crystal display.

Detail of the display follows...

AUTO

Automatic Operation

Heater when operating is under the control of the stored automatic program.

MAN

Manual Operation

Heater is operating manually according to the requirements of the owner.

HEAT

Heat Mode

CZC is programmed to control a heater.

CZC is in standby mode.

HEAT ON

Heater On

Heater is operating, warming the home.

DISPLAY FUNCTIONS

12:55 AM

*Time Display
Displays the current time.*

**MON TUE WED
THU FRI SAT SUN**

*Day Display
Displays the current day of the week.*

SET

*Auto Program Setting Mode.
Press when the Controller is On.
The word "SET" flashes.
Changes can be made to the automatic program.*

SET CLOCK

*Set the Time Clock.
Press when the Controller is OFF.
The word SET CLOCK flashes.
Changes can be made to the Time and the Day.*

22.5 °C

*Temperature Display.
Displays the room temperature with the door closed.
Displays the set temperature with the door open.*

WAKE

*Wake Period.
Displayed when the heater is under control of the automatic program
The time is typically between 6.00am and 8.30am.
(see default program setting)*

DISPLAY FUNCTIONS

AWAY

Away Period.

Displayed when the heater is under control of the automatic program or in manual operation.

In Auto the time is typically between 8.30am and 5.00pm.

In Manual the heater will run in response to the demands of the Controller . The heater will run at a low temperature and will mostly be off.

(see default program setting)

HOME

Home Period.

Displayed when the heater is under control of the automatic program or in manual operation.

In Auto the time is typically between 5.00pm and 10.30pm.

In Manual the heater will run in response to the demands of the controller. The heater will run at higher temperatures and will be on more frequently.

(see default program setting)

SLEEP

Sleep Period.

Displayed when the heater is under control of the automatic program.

the time is typically between 10.30pm and 6.30am.

The heater will run at a low temperature and will mostly be off.

(see default program setting)



Zone Display

Displays the number of zones to be heated or cooled in the home.

ZONE

Zone Setting Mode

Flashes when selecting zones to be on or off when setting in the auto program mode.

DISPLAY FUNCTIONS



Fan On Symbol

Displays the speed of the heater room fan.

1 Indicates speed 1 - Low

2 Indicates speed 2

3 Indicates speed 3

4 ...

5 ... etc

..

10 Indicates speed 10 - High

FAN

Fan Symbol displayed rotating indicates the heater fan is ON warming the home.

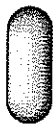
Fan Override

Displays when the operator overrides the pre-set room fan speed.

Speed can be increased or decreased as desired

SPECIAL FEATURES

Home / Away Function.



HOME/AWAY

Use the HOME / AWAY button when you have an unscheduled change to your daily routine.

If you arrive home early from work and the heater is not yet running in the next time period - HOME. Pressing the HOME / AWAY button will bring the Home start time forward, and the heater will run at the auto program settings for home.

When you leave the home early in the morning and the heater is running in the WAKE time period, pressing the HOME / AWAY button will bring the AWAY period forward and the heater will run the auto program settings for away.

With the Controller in Manual mode, the heater will operate according to the Home settings or the Away settings. Pressing the HOME / AWAY button while the heater is operating shifts the operation between the Home and Away settings.

The default settings for HOME/AWAY are set during auto programming.

SPECIAL FEATURES

Overriding the Set Temperatures.



When the CCT is in Manual or Auto Mode, the temperature settings can be temporarily overridden by pressing the UP/DOWN buttons (with the door shut).

Multiple Gas Rates and Fan Speeds

All heaters in the range are capable of running at multiple gas rates. The gas rate selected depends on the number of zones and the fan speed you have set.

Shown on the display right, are the settings for maximum gas and maximum fan.



Press a zone button to turn a zone off (even if you don't have zones) and fan speed will drop to the default settings. ie. 75 % Operation 50 % Operation 25% Operation



Press the fan button to override the set fan speed. Adjust the fan speed (and gas rate) to suit your needs. ie

Max Fan



Med Fan



Min Fan



NOTE.

Setting either the fan speed or the zones will effect the gas rate the heater runs at.

The heater will automatically adjust, to the correct gas rate.

STORED AUTO PROGRAM

The table below lists all the default values in the Automatic Default Program. When you first power up the CCT, the default program will run with the values shown. Changes can be made to any times, temperatures, zones or fan speeds.

Refer to the *set auto program function* detailed in this manual.

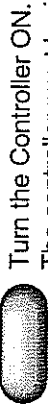
If changes are made to the auto program record them here for future reference.

Time Period	Time ON	Temp °C Setting	Zones ON	Fan Speed
Default Wake	6:00	20	1-2-3-4	10
Your Settings	—	—	—	—
Default Away	8:30	14	1-2-3-4	10
Your Settings	—	—	—	—
Default Home	5:00	21	1-2-3-4	10
Your Settings	—	—	—	—
Default Sleep	10:30	14	1-2-3-4	10
Your Settings	—	—	—	—

CHANGING THE AUTO PROGRAMME



SETTING UP



Turn the Controller ON.
The controller must be in sleep or heating mode to change the auto program.



Press the HEAT/COOL button to program the controller for heater or cooler operation.



Press SET to enter programming mode.
SET, & Mon, Tue, Wed, Thu, Fri are flashing.
If you want to program individual week days, use the UP/DOWN buttons to select a day.



SELECT THE DAYS OF THE WEEK PROGRAMMING

You can program *Mon - Fri* as a group, or program a single day later by selecting and programming that day.



Press the UP/DOWN buttons to select the day options.

Mon - Fri as a block is easiest.



Press SET to accept the day option.

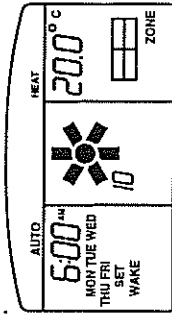
The Controller is now ready to have the default auto program altered to suit your requirements.

If during programming you need to exit or start again press the RESET button.



PROGRAMMING THE WAKE PERIOD

WAKE, SET, and 6.00 are flashing.



The display shows all the functions of the WAKE period.

The display above shows programming of Mon-Fri as a group. The same programming sequence detailed on the following pages applies when setting single days.

To accept the settings as displayed,



Press the MAN/AUTO button.

The program will now go to setting the AWAY period.

To change the WAKE time to a new value.(say 6.30 am)



Press the UP/DOWN buttons,



Press the SET button to accept the new time.

The display now shows SET and 20.0 flashing,



Press the SET button if you want to accept this temperature

This is the temperature the home will be heated to in the wake period.

To change the WAKE temperature.



Press the UP/DOWN buttons



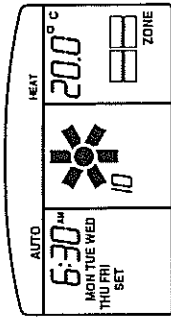
Press the SET button to accept the new temperature.

The display now shows SET & ZONE flashing.

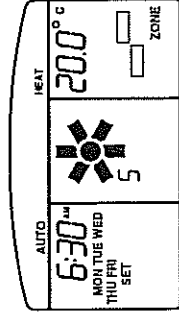


PROGRAMMING THE WAKE PERIOD

The display shows SET and ZONE flashing.



Press a ZONE button to turn the ZONE on or off. This display shows 2 zones turned OFF.



Press the SET button to accept heating to the ZONES selected.



The 5 symbol is now flashing



Press the UP/DOWN buttons to change the amount of air to the Zones you want heated

"1" displayed - minimum air *

"10" displayed - maximum air *



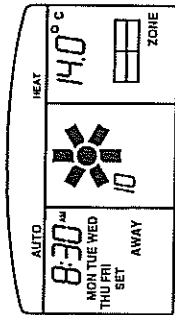
Press the SET button to accept the Fan option.

Setting of the WAKE period is now complete.



PROGRAMMING THE AWAY PERIOD

AWAY, SET, and 8.30 are flashing.



The display shows all the functions of the AWAY period.

To accept the settings as displayed,



Press the MAN/AUTO button.

The program will now go to setting the HOME period.

To make changes to the time the heater goes off in the morning ,



Press the UP/DOWN buttons.



Press the SET button to accept the new time.
The display now shows 14.0 flashing,



Press the SET button if you want to accept this temperature
this is the temperature the home will be heated to in the away period.

To change the AWAY temperature.



Press the UP/DOWN buttons

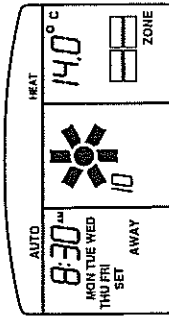


Press the SET button to accept the new temperature.
The display now shows SET & ZONE flashing.

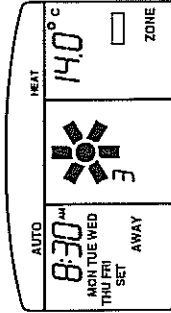


PROGRAMMING THE AWAY PERIOD

The display shows SET and ZONE flashing.



Press a ZONE button to turn the ZONE on or off
This display shows 3 zones turned OFF.



Press the SET button to accept heating to the ZONES selected.



The sun symbol is now flashing



Press the UP/DOWN buttons to change the amount of air to the Zones you want heated

*"1" displayed - minimum air **

*"10" displayed - maximum air **



Press the SET button to accept the Fan option.

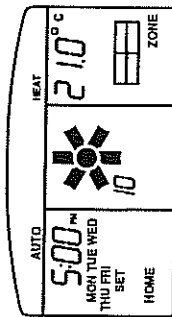
Setting of the AWAY period is now complete.



PROGRAMMING THE HOME PERIOD

HOME, SET, and 5.00 are flashing.

The display shows all the functions of the HOME period.



To accept the settings as displayed,



Press the MAN/AUTO button.
The program will now go to setting the SLEEP period.

To make changes to the time the heater comes on in the afternoon,



Press the UP/DOWN buttons.



Press the SET button to accept the new time.
The display now shows 21.0 flashing.



Press the SET button if you want to accept this temperature
this is the temperature the home will be heated to in the HOME period.

To change the HOME temperature.



Press the UP/DOWN buttons

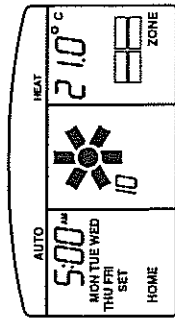


Press the SET button to accept the new temperature.
The display now shows SET & ZONE flashing.

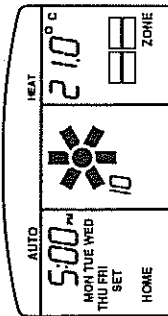


PROGRAMMING THE HOME PERIOD

The display shows SET and ZONE flashing.



Press a ZONE button to turn the ZONE on or off
This display shows 4 zones turned ON.



Press the SET button to accept heating to the ZONES selected.



The sun symbol is now flashing



Press the UP/DOWN buttons to change the amount of air to the Zones you want heated
"1" displayed - minimum air *
"10" displayed - maximum air *

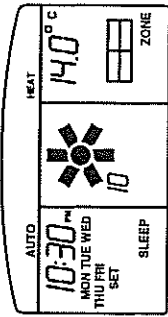


Press the SET button to accept the Fan option.
Setting of the HOME period is now complete.

PROGRAMMING THE SLEEP PERIOD

SLEEP, SET, and 10.30 are flashing.

The display shows all the functions of the SLEEP period.



To accept the settings as displayed,



Press the MAN/AUTO button.
Program setting for the 5 days is now complete.

Changes can be made to Saturday and Sunday Auto program. Press SET and select SAT, program, then select Sunday.

To make changes to the time the heater goes off in the evening,



Press the UP/DOWN buttons.



Press the SET button to accept the new time.
The display now shows 14.0 flashing,



Press the SET button if you want to accept this temperature
this is the temperature the home will be heated to in the SLEEP period.

To change the SLEEP temperature



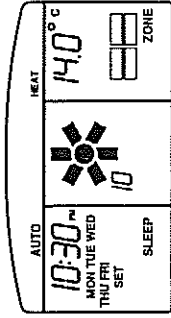
Press the UP/DOWN buttons



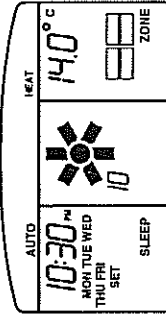
Press the SET button to accept the new temperature.
The display now shows SET & ZONE flashing.

PROGRAMMING THE SLEEP PERIOD

The display shows SET and ZONE flashing.



Press a ZONE button to turn the ZONE on or off
This display shows 4 zones turned ON.



Press the SET button to accept heating to the ZONES selected.



The 10 symbol is now flashing



Press the UP/DOWN buttons to change the amount of air to the Zones you want heated
"1" displayed - minimum air *
"10" displayed - maximum air *



Press the SET button to accept the Fan option.

Setting of the SLEEP period is now complete.

Trouble shooting.

If you have difficulty operating your Heater check the trouble shooting guide before calling for service

Problem?

HEAT ON displayed but the heater is not working.

Open the front door on the controller, press the RESET button. The heater should now operate.

Problem?

Heater is not operating effectively.

Check that there are enough outlets opened for the fan speed selected. Lower the fan speed or open another zone to correct the problem. A minimum of 5 outlets should be open. Is the return air filter blocked ? We recommend cleaning every fortnight.

Problem?

Not enough Heating.

Check the program running on the CCT is correct. Is the thermostat located in the common zone according to the Installation Instructions. Increase the SET temperature.

Problem?

Heater will not operate when in Auto Mode.

*Check the time AM or PM.
Check the Heater is in HEAT mode (not cool)
Check the set temperature is correct.*

Problem?

Heater runs when not programmed.

*Check the time AM or PM.
Sleep or away programmed temperature is too high: lower.*

FOR SERVICE CALL : 1 300 650 644