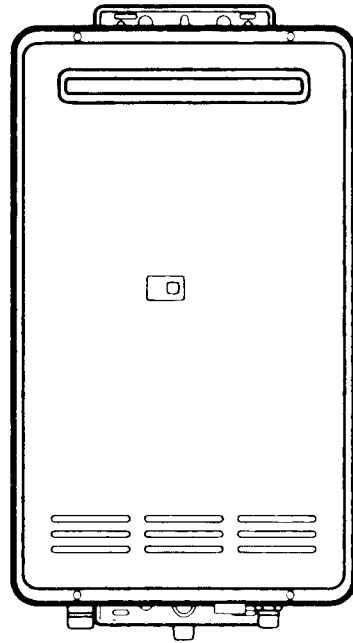# How to use your Water Heater

Rinnai
Infinity

Your installer is responsible for correct installation. Installation instructions are located in a pouch attached to the inside front panel of the water heater.

24 Hr SERVICE
In metropolitan areas.

Melb (1800) 632 386
Syd/Can (02) 9729 0468
Adel (08) 8345 5185
Perth (08) 9324 4145
Qld 1800 255 655

Remote Control Operation

Rinnai Australia has a service and spare parts network in all states.

Our service network personnel are fully trained and equipped to give the best service on your Rinnai appliance. If your appliance needs service, please ring one of the service contact numbers on the back of this booklet. Rinnai recommend that this appliance should be serviced every 3 years.

This appliance shall be installed in accordance with:
- Manufacturer's Installation Instructions
- Current AS3500. 4
- Current AS3000
- Local Water Authority Regulations
- Local Gas Fitting Regulations
- Municipal Building Codes
- AG601/AS5601, A. G. A. Installation Code for Gas Burning Equipment
- Any other relevant Statutory Regulations

This Infinity must be installed correctly by an authorised person. The installation of gas, water, and electricity must conform to local regulations.

The installation must also comply with the instructions supplied by Rinnai.

Your water heater has been approved by the Australian Gas Association
A. G. A. Approval Number shown on Data plate.

Please keep this instruction booklet in a safe place for future reference.

All dimensions referred to in these instructions are in millimeters,
unless otherwise specified.

N10378

Certified Product

WaterMark
AS3498 Lic W208
Standards Australia

The Australian
Gas Association
Proudly a member of the AGA
All of our gas products are AGA
tested and approved

Quality System

Quality
Endorsed
Company

ISO 9002 Lic 4983
Standards Australia

Distributed and Serviced in Australia under a Quality
System certified as complying with ISO 9002 by
Standards Australia Quality Assurance Services

CONTENTS

FEATURES

- The Infinity NEVER RUNS OUT of hot water. Whilst electricity, water and gas supplies are connected, hot water is available whenever hot water taps are open.

- Built into the main micro-processor is the facility to LIMIT THE MAXIMUM TEMPERATURE of the hot water supplied. The water temperature may be limited to various maximum temperatures. This is particularly useful when the hot water unit is installed where young children or the infirm may be using the hot water. The Infinity is delivered with a maximum preset temperature of 55°C. If required, the temperature limits can be changed by a service technician. For further information, please contact Rinnai.

- The Infinity is a power flued appliance. It is COMPACT, saving both floor and wall space, in external models.

- The Infinity incorporates a device to PREVENT THE TEMPERATURE VARYING when the water is turned off, then on again. It also incorporates a rapid response device for faster heating.

- The temperature of outgoing hot water is CONSTANTLY MONITORED by a BUILT-IN SENSOR. If the temperature of the outgoing hot water rises to more than 3°C above the selected temperature shown on the Digital Monitor (or the pre-set limit when Remote Controls are not fitted), the burner will automatically go out. The burner will ignite again once the outgoing hot water temperature falls to that shown on the Digital Monitor (or the pre-set limit).

- The burner lights automatically when the hot water tap is opened, and goes out when the tap is closed. IGNITION IS ELECTRONIC, there is no pilot light. When the hot water tap is off, no gas is used.

- 'Deluxe' or 'Standard' Remote Controllers are available as an optional extra. Depending on the models chosen, these offer the following additional features:

  - Bath fill function

  - Voice Prompting

  - Localised Temperature Control for up to one kitchen and two bathroom controllers

  - Clock

- Temperatures selected at the controls are retained in the SYSTEM MEMORY.

- Operating NOISE LEVEL IS VERY LOW.

- ERROR MESSAGES ARE DISPLAYED on the Remote Controls, assisting with service.

SAFETY POINTS

Always check water temperature by hand before entering the shower or bath. The temperature may have been changed.

Hot water temperature may vary at low water flows, or the hot water unit may go out without warning.
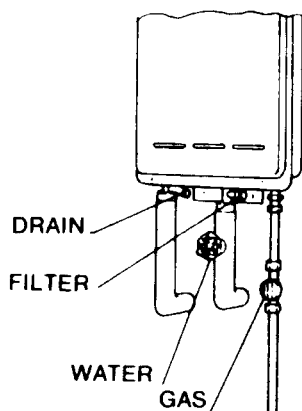
OFF
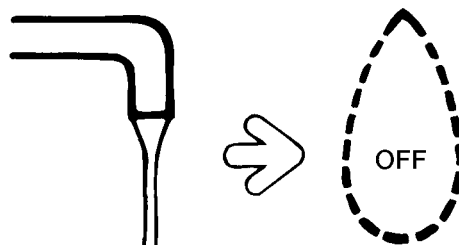
If the Infinity is disconnected from the power supply and freezing conditions are expected, turn off water and gas, and drain all water from the appliance.
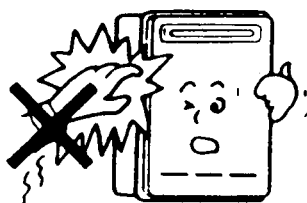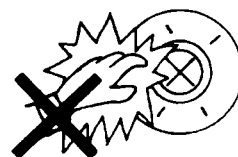
Water Off
↓
Gas Off
↓
Drain Water

If power and the automatic frost protection is connected, freezing will be prevented. ("K" Series only)

DRAIN
FILTER
WATER
GAS

Do not touch cover or insert objects into the flue outlet when the hot water unit is in operation.
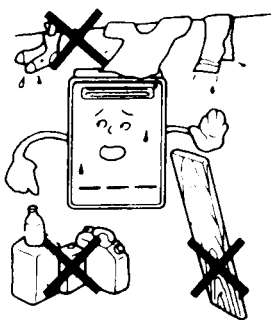
EXTERNAL   INTERNAL

On cold days steam may be discharged from the flue outlet, this is normal with a high efficiency appliance and does not indicate a fault.

Keep flammable materials, trees, shrubs etc. away from the external and the flue outlet of the internal model.

EXTERNAL   INTERNAL

Do not spray water directly into the flue terminal.

The hot water unit controls the water temperature automatically. To do this it sometimes needs to change the water flow accordingly. The water flow from the hot water tap may vary after the selected temperature at the Remote Control is altered. The water flow may also vary from summer to winter, as incoming water temperatures differ.
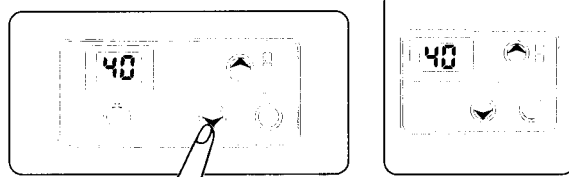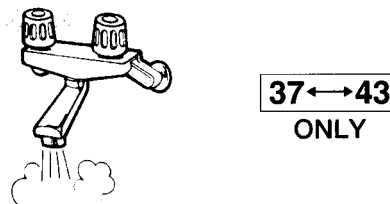
48°C   55°C
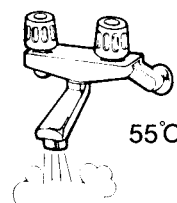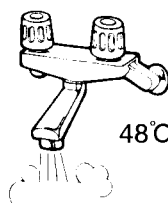
Do not clean the Remote Control with solvents. Use a soft damp cloth.

Spray
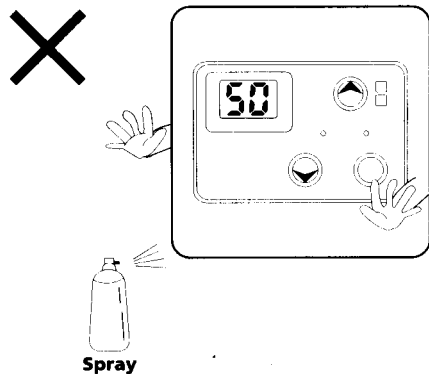
When the hot water tap is open, and hot water is flowing, the water temperature can only be adjusted between 37°C and 43°C.

37←→43
ONLY

Depending on the weather conditions and the length of the pipe between the hot water unit and the tap in use, there may be a variation between the temperatures displayed at the Remote Control and the temperature of the water at the tap.

48°C
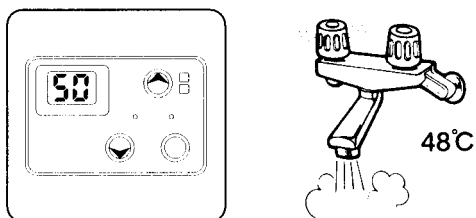
There is no need to turn the hot water unit off at the Remote Controls after use. However, if you prefer to turn the Controls off, selected temperatures will be stored in the system memory at all times whilst mains power remains connected.
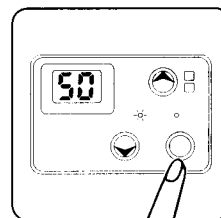
If a temperature higher than 50°C has been selected at the Kitchen Control and then priority of temperature selection is transferred to a Bath Control and back again, the temperature on the Kitchen Control will drop to 50°C. This is a safety feature.
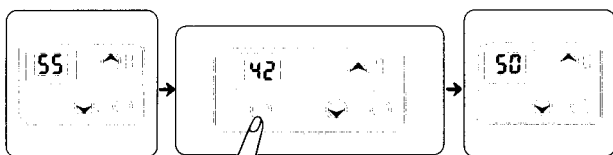
Do not push the ON/OFF button on the Kitchen Control after having transferred priority of temperature selection to the Bath Control.

Turn OFF then ON.
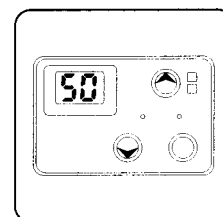
WARNING
Someone may be about to enter a shower or fill the bath.

REMOTE CONTROLLERS

1. The purpose of the remote controllers is to enable the user to have complete control over the hot water unit.

2. Used correctly, the hot water unit will supply hot water at the temperature selected, even when the water flow is varied, or when more than one tap is used.

3. Adjustments to the operation of your hot water unit can be made with any of the remote controllers.

4. Each controller can be individually programmed.

5. Various water temperatures (°C) can be selected as follows:

Kitchen Controller:

37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 48, 50, 55°C

Bathroom Controller:

Hot Water Delivery: 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 48, 50°C

Bathfill Delivery: 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48°C

With all controllers, if a temperature higher than 43°C is selected and this temperature is then decreased to below 43°C and increased again whilst the water is running, the maximum selectable temperature will become 43°C. This provides additional safety for the consumer.

Suggested temperatures are:

Kitchen 50°C
Shower 42°C
Bathfill 40°C

These temperatures are suggested starting points for selection. You may find higher or lower temperatures are more comfortable. Maintaining lower temperatures helps to save energy.
To obtain water temperatures lower than 37°C simply add cold water.

Remote controllers are an optional extra. 'Standard' and 'Deluxe' remote controllers can be fitted. Standard controllers allow temperature selection only. Deluxe controllers have temperature selection, bath fill and clock functions.

Remote Controls are not required to operate the unit, they are a feature that provides control over water temperature. Rinnai Infinity water heaters can be operated with 1, 2, or 3 or no remote controls.

DIGITAL MONITOR
Indicates the temperature selected. Error message flashes in the event of a fault.

ON INDICATOR
Indicates which remote control is in control of adjusting water temperature.

OPERATION INDICATOR
Indicates that a hot water tap is open (in any location).

Rinnai INFINITY

℃

APPROX WATER TEMP

HOTTER

●ON   ●IN USE

TEMPERATURE CONTROL

COOLER

●MC-33

ON/OFF

MC-33
Identifies this remote control as for use in the Kitchen.*

THERMOSTAT
To alter the temperature of the water.

ON/OFF
Power switch to operate.

*This remote control is also suitable for installation in laundry areas.
Use this control in installations with only one control.

STANDARD BATHROOM REMOTE CONTROLLER

DIGITAL MONITOR
Indicates the temperature selected. Error code flashes in the event of a fault.

TRANSFER
Alternates the control of temperature selection between Kitchen and Bath Control.

OPERATION INDICATOR
Indicates that a hot water tap is open (in any location).

Rinnai INFINITY

TEMPERATURE CONTROL

℃

APPROX WATER TEMP

ON

HOTTER

COOLER

IN USE

ON/OFF

BC-45

TRANSFER

ON INDICATOR
Indicates which remote control is in control of adjusting water temperature.

THERMOSTAT
To alter the temperature of the hot water.

ON/OFF
Power switch to operate.

BC-45
Identifies this remote control as for use in the bathroom.*

*A third remote control identified as BSC-45 is available for use in a second bathroom or ensuite.
This remote control is identical in appearance to the one shown on this page.
Do not use this control in installations with only one control.
Contact Rinnai for further details.

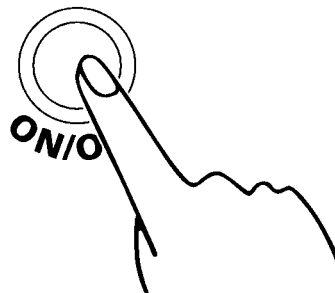## Using the Infinity with 1 Standard Remote Controller

Press the ON/OFF button on the remote control.
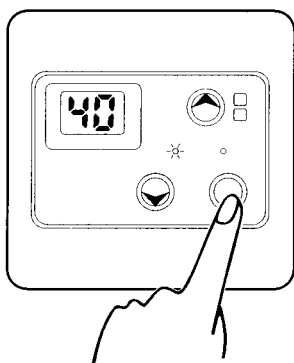
NOTE
After Installation, and when the ON/OFF button is first pressed, 40℃ will be displayed on the Digital Monitor.
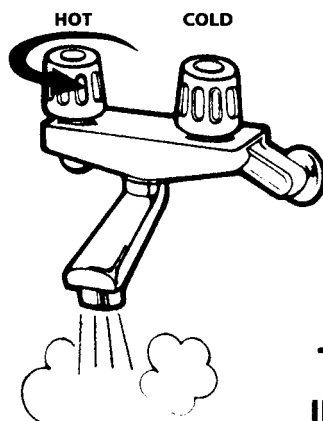
1

ON

The yellow ON indicator will glow on the Control.
This indicates that the hot water unit is ready to supply hot water when a tap is open.
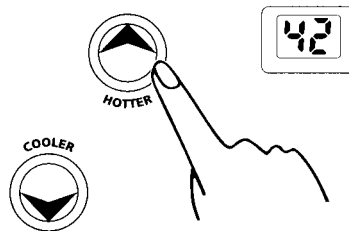
2

HOT   COLD

IN USE

To operate the hot water unit simply turn any hot water tap on.
This will automatically light the burner,providing hot water.
The red IN USE indicator will glow on remote controls.

3 ADJUSTING TEMPERATURE

Simply press the HOTTER△ or COOLER▽ button until the required temperature is displayed on the Digital Monitor.

NOTE
When any hot water tap is open, temperature cannot be adjusted except between 37℃ and 43℃.

NOTE
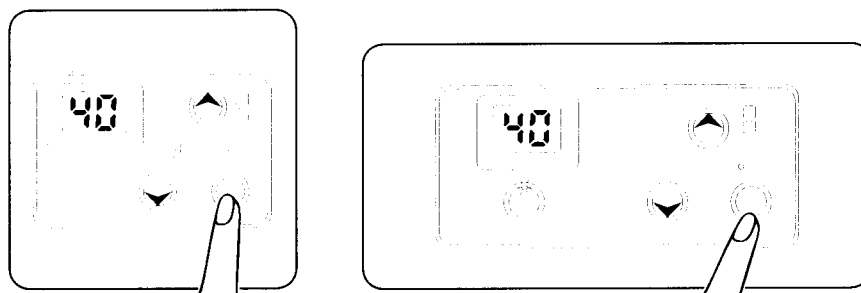CHECK WATER TEMPERATURE BEFORE ENTERING SHOWER OR BATH.
· Always test the water temperature in bath before a child gets in.
This is best done by the parent placing their elbow in the water.

Using the Infinity with 2 Standard Remote Controllers

To TURN ON your hot water system, press the ON/OFF button on either remote control.

NOTE

After Installation, and when the ON/OFF button is first pressed, 40°C will be displayed on the Digital Monitor.

See page 10 for details on operating and adjusting water temperature with the remote controls.

Each remote control is capable of storing a separate temperature selection in the system memory.

The transfer function enables priority temperature selection to be switched between the remotes.
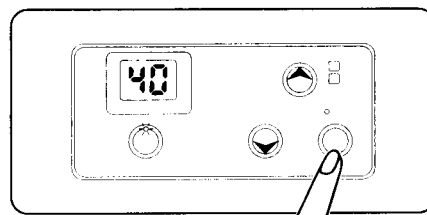
The temperature displayed on the digital monitor is the temperature hot water will be supplied throughout the house.

See page 13 for details on how to use the transfer function.

Using the Infinity with 3 Standard Remote Controllers.

To TURN ON your hot water system when the remote controls are connected, press the ON/OFF button on any remote control.

NOTE

After Installation, and when the ON/OFF button is first pressed, 40°C will be displayed on the Digital Monitor.

See page 10 for details on operating and adjusting water temperature with the remote controls.

Each remote control is capable of storing a separate temperature selection in the system memory.

The transfer function enables priority temperature selection to be switched between the remotes.
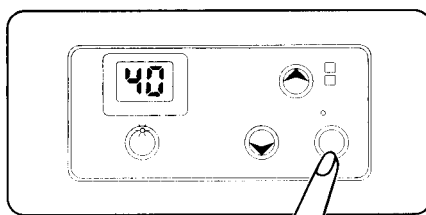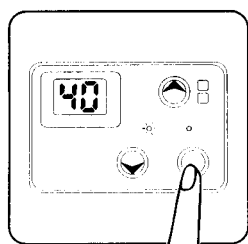
The temperature displayed on the digital monitor is the temperature hot water will be supplied throughout the house.

See page 13 for details on how to use the transfer function.

The Transfer button on the Bath Control enables you to select and lock the preferred temperature for shower or bath water. When locked in, this selected temperature cannot be overridden by the Kitchen Control.

1 To transfer priority of water temperature selection to the Bath Control, simply press the TRANSFER button on the Bath Control.
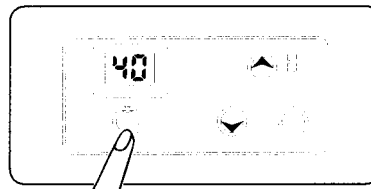
The ON indicator on the Bath Control will glow to indicate that priority of water temperature selection has been transferred to the Bath Control.

After having transferred the priority of water temperature selection for the first time, 40°C will be displayed on the Digital Monitor.

2 The water temperature can now be selected using the Bath Control. The maximum temperature which can be selected at the Bath Control is 50°C. This is to help reduce the risk of burns from hot water.

A different temperature can be stored in the system memory of the Bath and Kitchen Controls.

3 To transfer priority of water temperature selection back to the Kitchen Control, simply press the TRANSFER button again.
The temperature displayed will then return to the temperature which was previously selected at the Kitchen Control, or 50°C, whichever is lower.
The ON indicator on the Kitchen Control will glow to indicate priority control of water temperature selection.
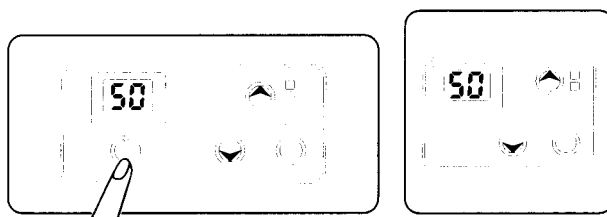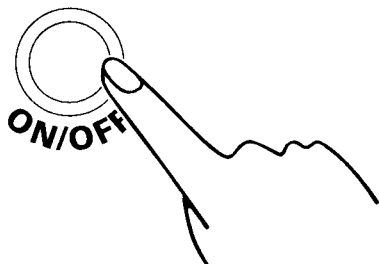
Priority temperature selection cannot be transferred when a hot water tap is open.

NOTE

To TURN OFF your hot water system.

ON

Simply press the ON/OFF button on any Remote Control (where fitted).
This will shut the Infinity down completely including the Remote Control digital displays.

If hot water taps are opened when the Infinity is OFF, cold water will flow from the taps.

The ON indicator will go out.

When no controls are fitted, the water heater shuts down completely when the water is turned off.

Additional SAFETY features

Whilst the hot water tap is open, the following safety features apply.

- Temperature selection cannot be transferred.
- Water temperature can only be adjusted between 37°C and 43°C.
- The Kitchen and Bath Control cannot be turned ON.
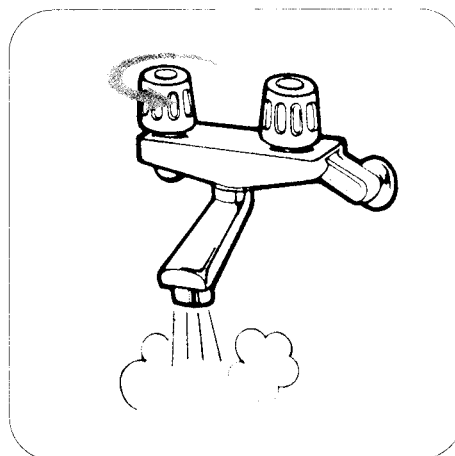
NOTE

The temperature of outgoing hot water is constantly monitored by a built in sensor. If the temperature of the outgoing hot water rises to more than 3°C above the selected temperature shown on the Digital Monitor or the pre-set limit when remote controls are not fitted, the burner will automatically go out. The red operation lamp will also go out. The burner will ignite again once the outgoing hot water temperature falls to that shown on the Digital Monitor (or the pre-set limit).

Deluxe Kitchen Remote Controller (MC-70-1A)

- This remote control is installed in the kitchen. Each button confirms its operation with a beep and/or voice.

DIGITAL MONITOR

Indicates the water temperature, mode of operation, and clock.

TRANSFER BUTTON (Green)

Used to transfer priority between the remote controllers.

CLOCK BUTTON

Used to select the clock function.

SPEAKER

TEMPERATURE CONTROL BUTTONS

Used to select water temperature.
"UP" / "DOWN" buttons are also located on the lid.

ON/OFF BUTTON

Used to switch remote controllers on and off.

SOUND VOLUME

Used to change the voice volume.

HOUR/MIN. BUTTONS

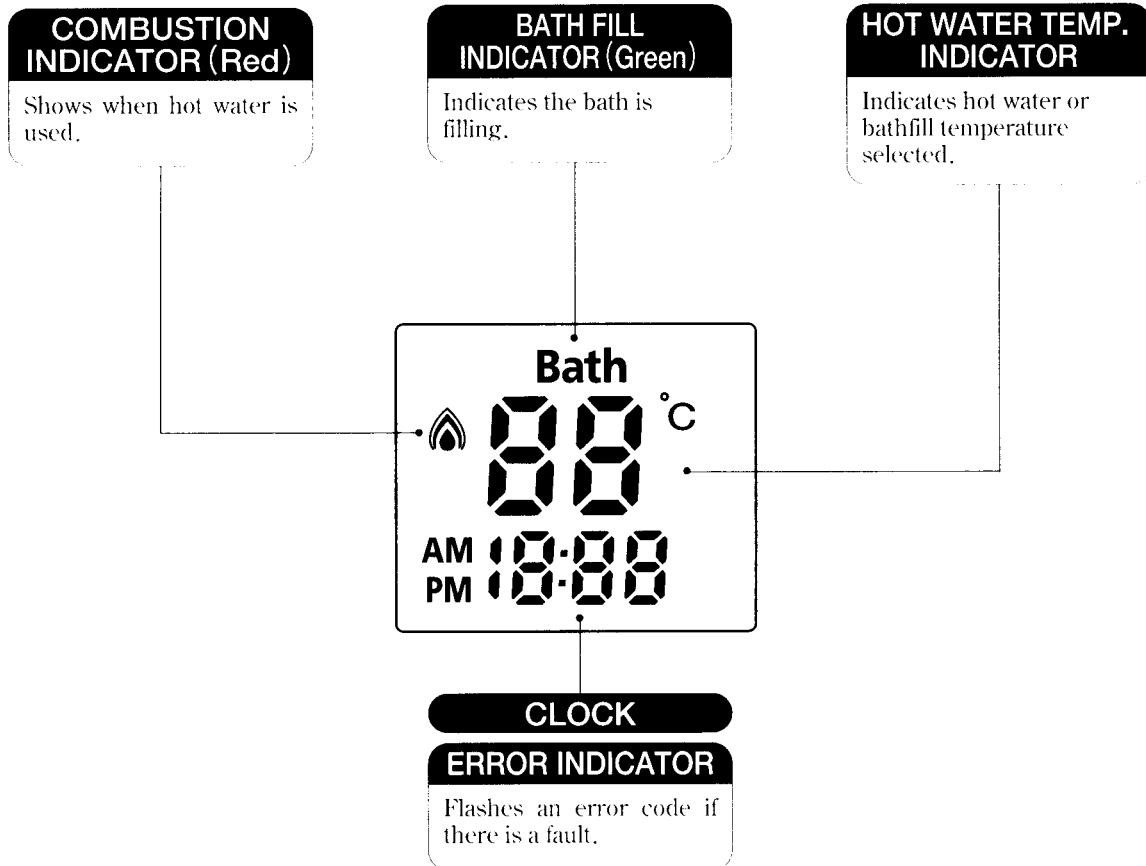Used to select the hours and minutes of the clock.

CAUTION

Be careful not to get water in the speaker as it may cause damage.

DELUXE KITCHEN REMOTE CONTROLLER

Deluxe Kitchen Remote Controller Monitor

COMBUSTION INDICATOR (Red)
Shows when hot water is used.

BATH FILL INDICATOR (Green)
Indicates the bath is filling.

HOT WATER TEMP. INDICATOR
Indicates hot water or bathfill temperature selected.

Bath °C

AM
PM

CLOCK

ERROR INDICATOR
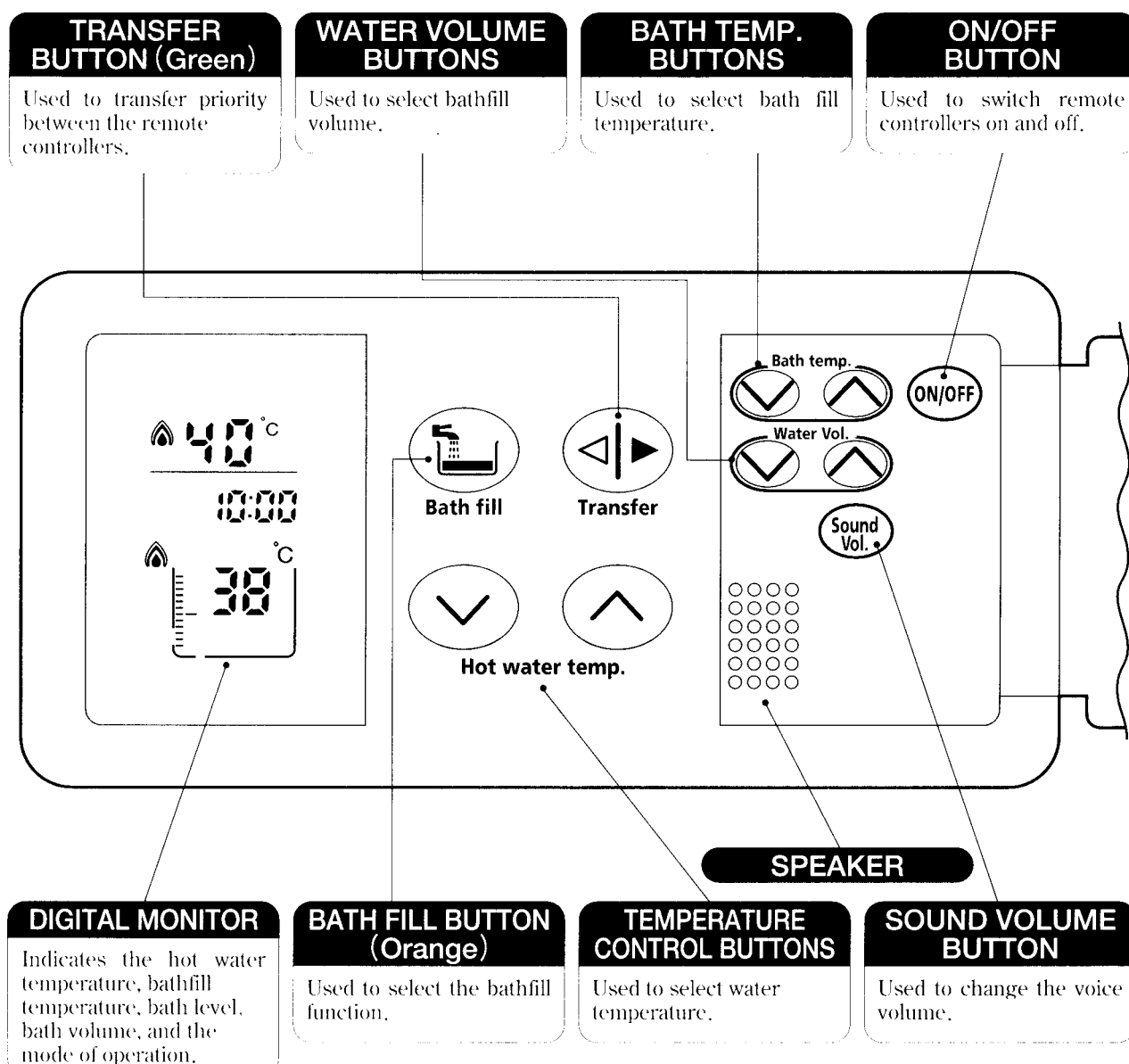Flashes an error code if there is a fault.

NOTE
• Each time a button is pressed, a 'beep' will sound.
• The 'beep' sound and the 'bath fill complete' buzzer can be muted by pressing the Temperature Control Up and Down buttons simultaneously for more than 3 seconds. This can be done for each remote control.
To return to original settings, repeat this step.

DELUXE BATHROOM REMOTE CONTROLLER

Deluxe Bathroom Remote Controller (BC-70-1A)

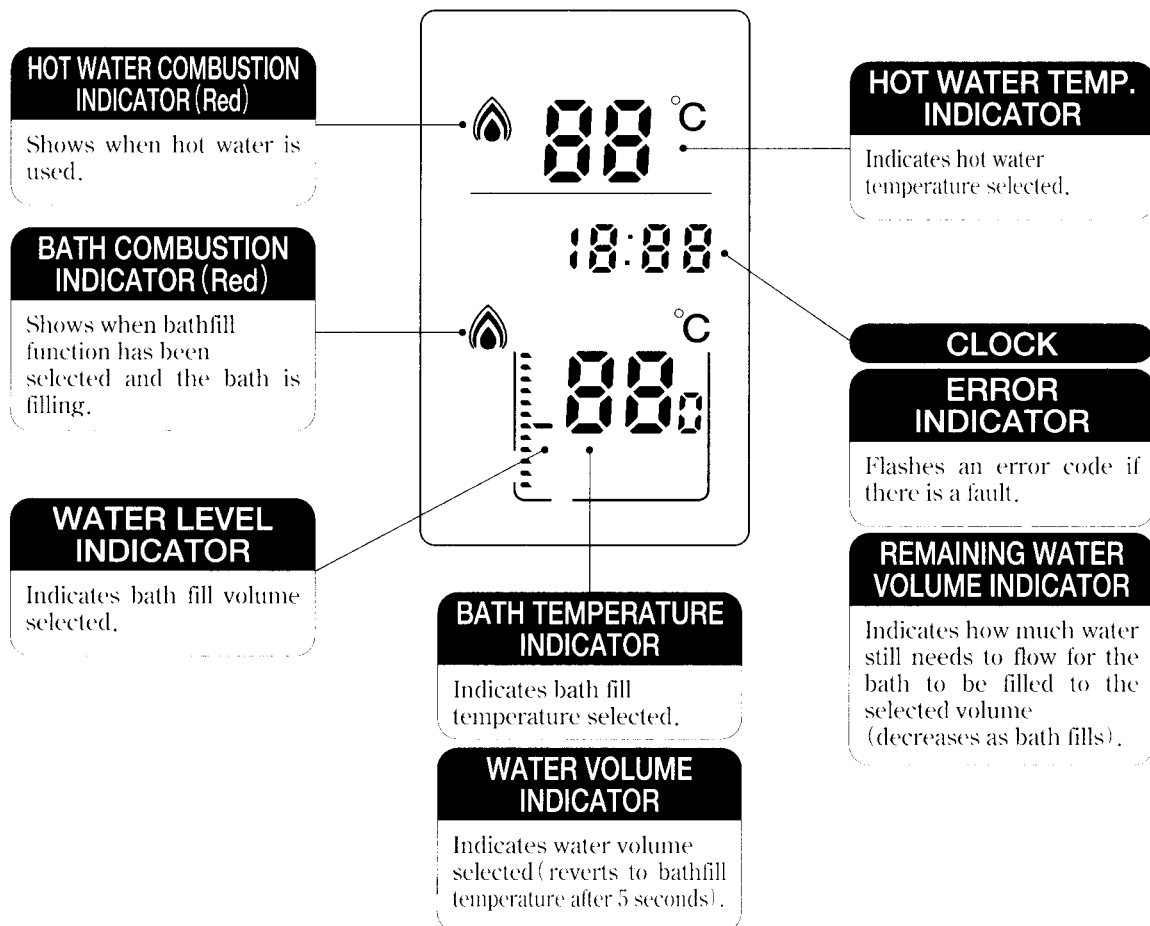• This remote control is installed in the bathroom. Each button confirms its operation with a beep and/or voice.

TRANSFER BUTTON (Green)	**WATER VOLUME BUTTONS**	**BATH TEMP. BUTTONS**	**ON/OFF BUTTON**
Used to transfer priority between the remote controllers.	Used to select bathfill volume.	Used to select bath fill temperature.	Used to switch remote controllers on and off.

Bath temp.

Water Vol.

ON/OFF

Bath fill   Transfer

Sound Vol.

Hot water temp.

SPEAKER

DIGITAL MONITOR	**BATH FILL BUTTON (Orange)**	**TEMPERATURE CONTROL BUTTONS**	**SOUND VOLUME BUTTON**
Indicates the hot water temperature, bathfill temperature, bath level, bath volume, and the mode of operation.	Used to select the bathfill function.	Used to select water temperature.	Used to change the voice volume.

CAUTION Be careful not to get water in the speaker as it may cause damage.

DELUXE BATHROOM REMOTE CONTROLLER

Deluxe Bathroom Remote Controller Monitor

HOT WATER COMBUSTION INDICATOR (Red)

Shows when hot water is used.

BATH COMBUSTION INDICATOR (Red)

Shows when bathfill function has been selected and the bath is filling.

WATER LEVEL INDICATOR

Indicates bath fill volume selected.

HOT WATER TEMP. INDICATOR

Indicates hot water temperature selected.

CLOCK

ERROR INDICATOR

Flashes an error code if there is a fault.

REMAINING WATER VOLUME INDICATOR

Indicates how much water still needs to flow for the bath to be filled to the selected volume (decreases as bath fills).

BATH TEMPERATURE INDICATOR

Indicates bath fill temperature selected.

WATER VOLUME INDICATOR

Indicates water volume selected (reverts to bathfill temperature after 5 seconds).

NOTE

· Each time a button is pressed, a 'beep' will sound.
· The 'beep' sound and the 'bath fill complete' buzzer can be muted by pressing the Temperature Control Up and Down buttons simultaneously for more than 3 seconds. This can be done for each remote control.
To return to original settings, repeat this step.

-18-

Using the Infinity with 1 Deluxe Remote Controller

When one Remote Controller is required,
the kitchen model must be used (MC-70-1A)
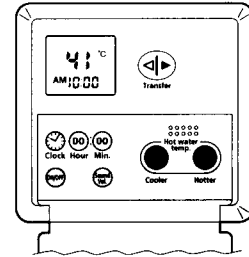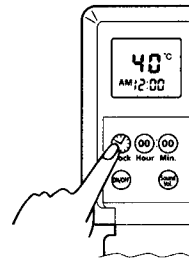
Switching the System On

The hot water system and controller can be switched on
and off pressing the 'ON/OFF' button as shown.
When the system is turned on, the monitor will be lit.
During nomal operation the system is left on.
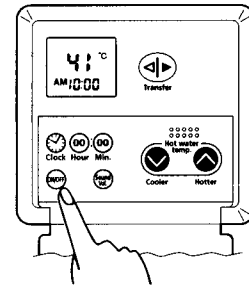
Setting the clock

The clock is of the 12 hour AM/PM type.

(1) Press the 'Clock' button. The digital monitor will
flash AM 12:00.

(2) Set the time using the 'Hour' and 'Min.' buttons.
The time is displayed on the monitor as the buttons are
pressed.
The numbers on the monitor will continuously change if
you keep the buttons depressed. When you get
close to the desired time, press the button
intermittently.
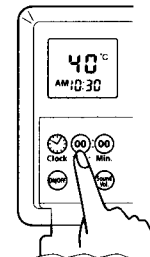
(3) Press the 'Clock' button again to activate the clock.
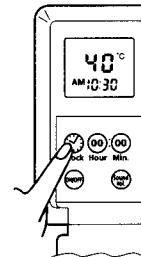
NOTE

The time is always displayed regardless of whether the controller is turned ON or OFF.
The clock may need to be reset after a power failure.
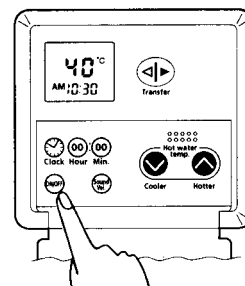
Setting the Sound Volume

The 'Sound Vol.' button located behind the flip panel is **not used** when one Kitchen Controller is connected.

Using Hot Water

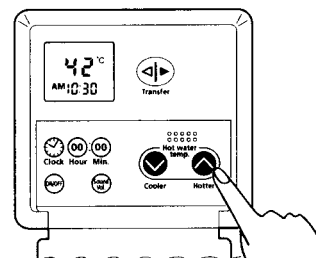The hot water delivery temperature can be controlled from the Kitchen Controller (MC-70-1A)

(1) Ensure the system is switched ON.
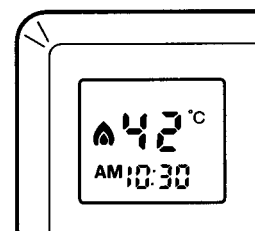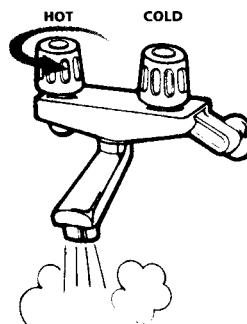   If not, press the 'ON/OFF' button behind the flip panel once. The 'Transfer' button will light up.

(2) Select the desired temperature using the 'Hot water temp.' buttons.
   The selected temperature will be displayed on the controller monitor.

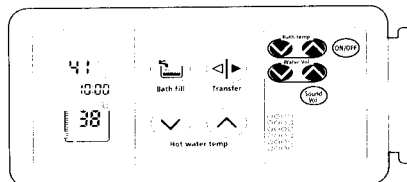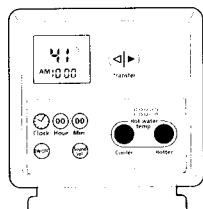(3) Open the hot water tap. The hot water unit will activate and the red combustion symbol will light on the monitor.

HOT   COLD

Check water temperature before use.

CAUTION

# OPERATION WITH DELUXE REMOTE CONTROLLERS

Using the Infinity with 2 Deluxe Remote Controllers

When 2 remote controllers are used, they should be models MC-70-1A (Kitchen) and BC-70-1A (Bathroom).

Switching the System On

The hot water system and both controllers can be switched on and off from either controller by pressing the 'ON/OFF' button as shown. When the system is turned on, the monitor will be lit. During normal operation the system is left on.
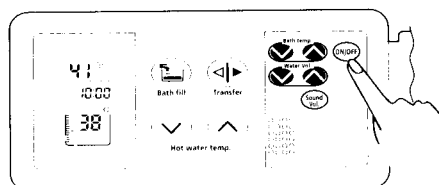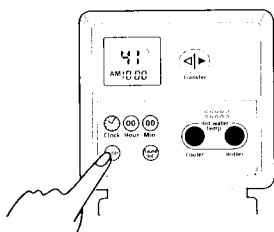
Setting the clock

The clock is of the 12 hour AM/PM type and is set on the Kitchen controller (MC-70-1A).

(1) Press the 'Clock' button. The digital monitor will flash AM12:00.

(2) Set the time using the 'Hour' and 'Min.' buttons. The time is displayed on the monitor as the buttons are pressed. The numbers on the monitor will continuously change if you keep the buttons depressed. When you get close to the desired time, press the button intermittently.

(3) Press the 'Clock' button again to activate the clock.
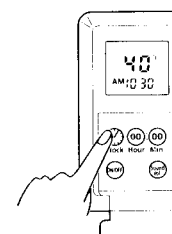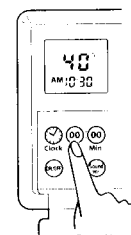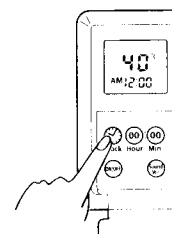
NOTE The time displayed on the kitchen controller is automatically displayed on the Bathroom Controller when the Bathroom Controllers are On. If the controllers are OFF, the time is only displayed on the Kitchen Controller. The clock may need to be reset after a power failure.

Setting the Sound Volume

The sound volume for all controllers can be set individually. Note that this can be done with the controllers switched off.

Press the 'Sound Vol.' button located behind the flip panel.
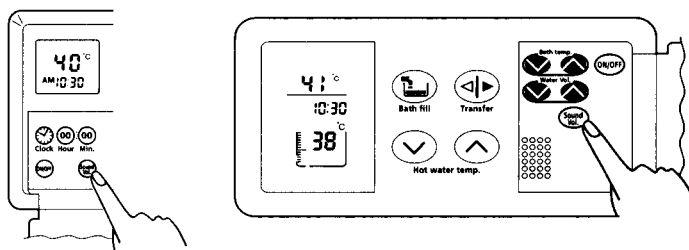
The volume will change as follows:

Voice Volume	
Initial Setting	Medium
Press Once	High
Press Again	Off
Press Again	Low

Using Hot Water

The hot water delivery temperature can be controlled from either the Kitchen Controller (MC-70-1A) or the Bathroom Controller (BC-70-1A).

Deluxe Kitchen Controller

(1) Ensure the system is switched on. When the system is ON, the monitors will be lit. Ensure the 'Transfer' button is lit. If not, press the 'Transfer' button once.

(2) Select the desired temperature using the 'Hot water temp.' buttons. The selected temperature will be displayed on both the Kitchen and Bathroom Controllers at the top of each monitor.

(3) Open the hot water tap. The hot water unit will activate and the red combustion symbol will light on both the kitchen and bathroom monitors.
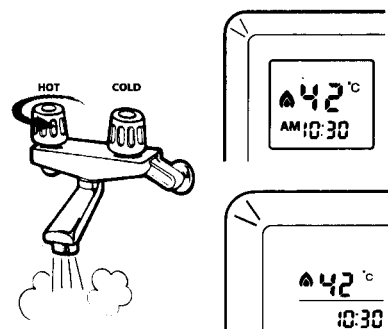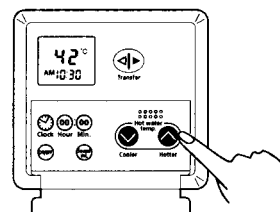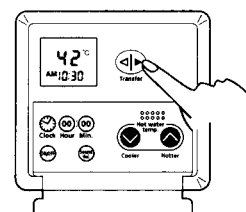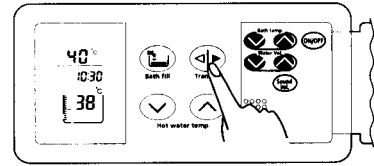
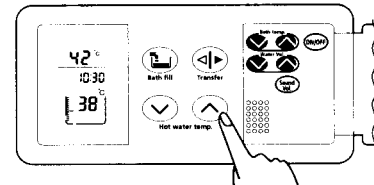**CAUTION** Check water temperature before use.

Deluxe Bathroom Controller

(1) Ensure the system is switched ON. When the
system is ON, the monitors will be lit.
Ensure the 'Transfer' button is lit.
If not, press the 'Transfer' button once.

(2) Select the desired temperature using the
'Hot water temp.' buttons.
The selected temperature will be displayed
at the top of all controller monitors.

(3) Open the hot water tap. The hot water unit will activate and the red
combustion symbol will light on both bathroom and kitchen monitors.
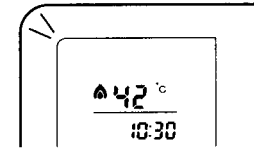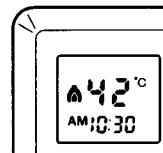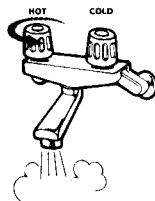
Check water temperature before use.

CAUTION

Bath Fill Function

The 'Bath fill' function enables a bath to be filled to the desired level at the
desired temperature automatically.

There are 2 steps to perform:

1. Program the bath volume and temperature into the Bathroom Controller (s) (BC-70-1A).
2. Activate the automatic bath fill function and follow the voice prompts.

**When using the bath fill function for the first few times, it is recommended that
you are present during the filling process.**

Step 1-Programming the bath volume and temperature

When the controllers are first turned on, the default bath fill
temperature is 40°C and the bath volume is 100 litres
(indicated by the first level marker at the bottom of the monitor).
The bath volume can then be changed up to a maximum of 400
litres in 20 (or 50) litre increments. These settings are displayed
at the bottom of the Bathroom Controller monitor and can be
changed by the user as described below.
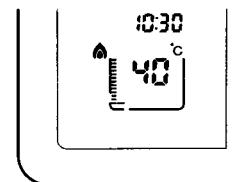
(a) Ensure the system is switched ON. When the system is ON, the monitors will be lit.
Ensure the 'Transfer' button is lit. If not, press the 'Transfer' button once.

(b) Select the desired temperature using the 'Bath temp.' buttons located behind the flip panel. The selected temperature will be displayed on the bottom of the bathroom controller monitor and will remain until it is next changed. During the first bath fill, a temperature of 40°C is recommended.
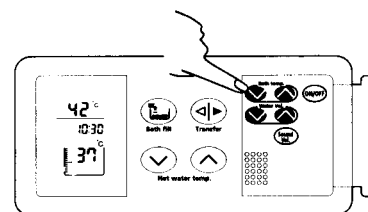
(c) Select the desired bath volume using the 'Water Vol.' buttons located behind the flip panel. The selected volume will be displayed at the bottom of the bathroom controller monitor numerically, and graphically by the long bar against the level markers. During the first bath fill, it is recommended that the lowest bath fill volume of 100 litres is used. During subsequent bath fills this can be increased depending on the volume of your bath and the desired level.
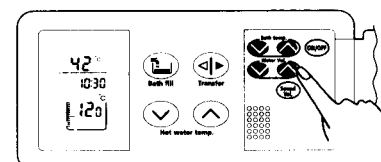
The relationship between bath volume in litres and the position of the long bar against the level markers is as follows.

eg. 120 litres - denoted numerically and by the second level marker from the bottom of the monitor, as shown below.

Volume (L)	Position of long bar
400	12
350	12
300	11
280	10
260	9
240	8
220	7
200	6
180	5
160	4
140	3
120	2
100	1
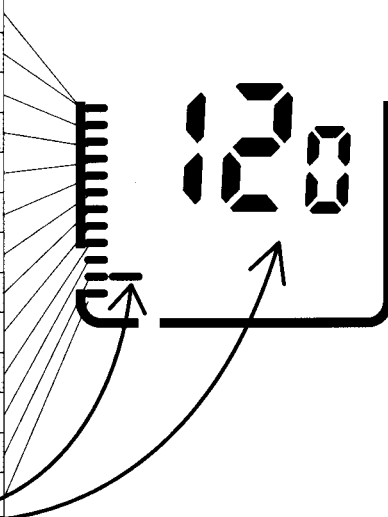
Remember that the bath level markers on the display are not a true representation of your bath. ie. the 'half-way' mark on the monitor is not necessarily the 'half-way' mark on your bath. The average bath size is 160 litres. Be careful not to overfill the bath!

NOTE

(d) After approx. 5 seconds, the numeric volume displayed will revert to the bath fill temperature previously set. The long bar on the level markers will remain.

Step 2-Activate the automatic bath fill function and follow the voice prompts

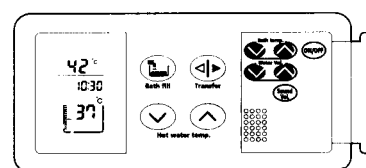(a) Ensure the system is switched on. When the system is ON, the monitors will be lit. Ensure the 'Transfer' button is lit. If not, press the 'Transfer' button once.

(b) Press 'Bath fill' button. The 'Bath fill' button will light up and the buzzer will sound. The 'Bath' indicator on the Kitchen Controller monitor will light up. The voice will say "The hot water system is ready. Open the hot water tap."
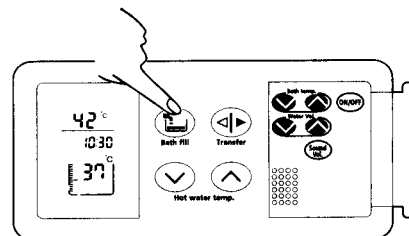
(c) Open the hot water tap for the bath. The combustion indicator on all controllers will light up and the bath will start to fill.

> **NOTE**
> During bath fill, the time display on the Bathroom Controller will show the remaining bath fill volume and will 'count down' as the bath is filled.

If you wish to stop the water flow whilst the bath fill function is in operation, simply press the 'Bath fill' button. The 'Bath fill' button will flash and the voice will say "Turn off all hot water taps and press the 'Bath fill' button". Follow these instructions.

(d) When the bath is filled to the programmed volume and temperature (see 'Step 1') :
• the flow from the bath hot water tap will stop ;
• the 'Bath fill' button on the Bathroom Controller(s) and the 'Bath' indicator on the Kitchen Controller monitor will flash ;
• the buzzer will sound ;
• The voice will say "Bath fill is complete. Turn off the bath hot water tap and push the 'Bath fill' button."

(e) **IMPORTANT-Close the hot water tap for the bath.** This is very important to prevent overfilling of the bath.

(f) Press the 'Bath fill' button. This is also important. It tells the hot water unit that the customer is aware that the bath fill function has been completed and that the hot water tap for the bath has been shut. The hot water unit will not allow hot water to flow from any fixture until the 'Bath fill' button has been pressed.

The Bath fill button light on the Bathroom Controller and the 'Bath' indicator on the Kitchen Controller monitor will go out.

> **CAUTION**
> NEVER leave young children unattended in the bath.
> When using the bath fill function, ALWAYS close the hot water tap for the bath after the bath has filled and flow has stopped.

Using the Infinity with 2 Deluxe Remote Controllers and Standard Remote Controller

When 3 remote controllers are used, they should be one MC-70-1A (Kitchen) model and BC-70-1A model (Bathroom) and BSC-45-3A or BSC-45-3A (Ensuite).
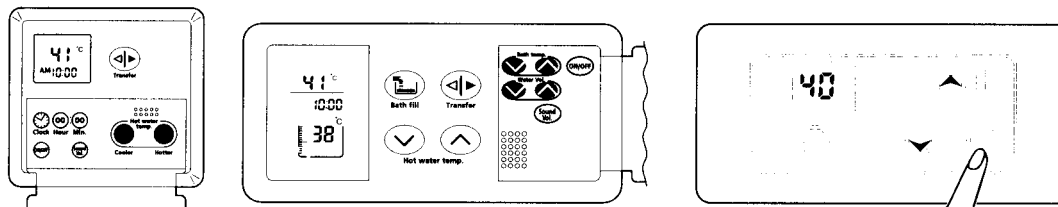
Switching the System On

The hot water system and three controllers can be switched on and off from any controller by pressing the 'ON/OFF' button as shown. When the system is turned on, the monitor will be lit. During normal operation the system is left on.
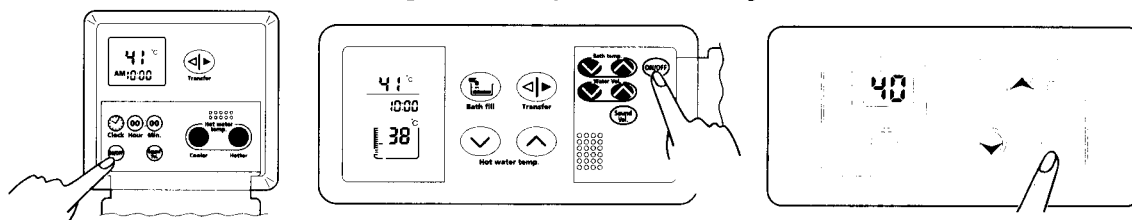
Setting the clock

See page 21 for details on setting the clock.

Setting the Sound Volume

See page 22 for details on setting the sound volume.

Using Hot Water

The hot water delivery temperature can be controlled from either the Kitchen Controller (MC-70-1A) or the Bathroom Controllers (BC-70-1A, BSC-45-3A).
See pages 22 to 23 for details on setting the hot water delivery temperature for the Kitchen and Bathroom Controllers.

Bath Fill Function

See pages 23 to 25 for details on the bath fill function.
With two Bathroom Controllers fitted (one in each bathroom) only one bath can be filled at a time.

CAUTION

NEVER leave young children unattended in the bath.
When using the bath fill function, ALWAYS close the hot water tap for the bath after the bath has filled and flow has stopped.

Repeat the relevant procedures above for the third (Bathroom) controller.

The Infinity has no pilot light and when installed without remote controls, the Infinity will operate automatically as soon as a hot water tap is opened. The burner ignites with electronic ignition and the flame extinguishes as soon as water stops flowing through the appliance (usually when the hot water tap is closed).

Simply, open a hot water tap.

55°C

HOT   COLD
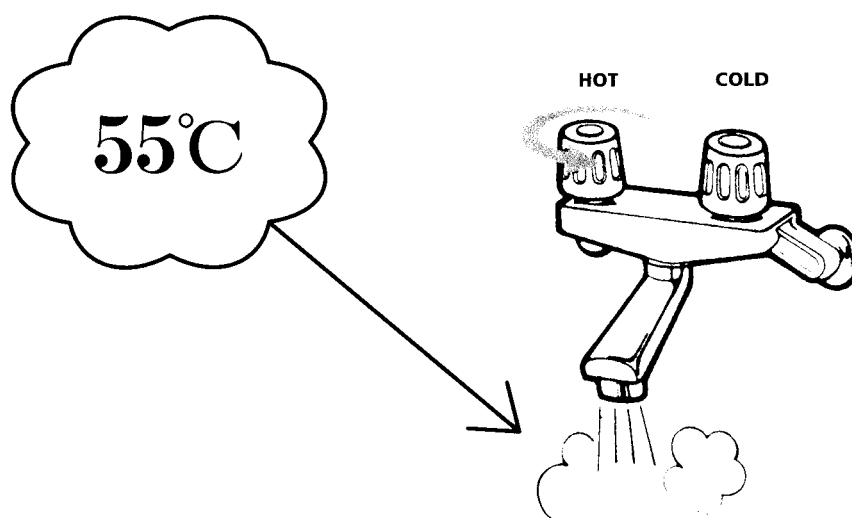
NOTE

The Infinity is supplied with hot water supply pre-set to 55°C. If you require additional control over the temperature of your hot water, contact Rinnai about our remote controls to allow precise digital temperature control in the range 37°C~55°C.

ERROR MESSAGES

The hot water unit has the ability to check its own operation continuously. If a fault occurs, an Error Message will flash on the Digital Monitor of the Remote Controls. This assists with diagnosing the fault, and may enable you to overcome a problem without a service call. Please quote the code displayed when enquiring about service.

Code Displayed	Fault	Remedy
03	Power interruption during Bath fill (water will not flow on power reinstatement)	Turn off all hot water taps. Press ON/OFF twice.
10	Air intake or flue blocked.	Service Call
11	No Ignition	Check gas is turned on at water heater and gas meter or cylinder.
12	Flame Failure	Check gas is turned on at water heater and gas meter. Check that nothing is obstructing flue outlet. Turn on gas supply to water heater.
14	Remaining Flame Safety Device	Service Call
16	Over Temperature Warning	Service Call
32	Outgoing Water Temperature Sensor Faulty	Service Call
52	Gas Modulating Valve Faulty	Service Call
61	Combustion Fan Failure	Service Call
65	Water Flow Control Faulty (does not stop flow properly)	Service Call
71	Micro-processor Failure	Service Call
72	Micro-processor Failure	Service Call

NOTE

In all cases, you may be able to clear the Error Message simply by turning the hot water tap OFF, then ON again. If this does not clear the Error Message, try pushing the ON/OFF button OFF, then ON again. If the Error Message still remains, contact Rinnai or your nearest service agent and arrange for a service call.

Excessively hot water is dangerous, especially for young children and the infirm. The Infinity allows you to control the temperature of your hot water to safe levels.

⚠ **DANGER**

HOT

BURN

Water temperature over 50°C can cause severe burns instantly or death from scalds.

Children, disabled, and the elderly are at highest risk of being scalded.

Feel water before bathing or showering.

Burns from hot water tap can result in very severe injuries to young children.
Hot water at 65°C (the average hot water temperature in Australia) can severely burn a child in less than half a second. At 50°C it takes five minutes.
Burns can happen when children turn on the hot water tap and they are under it, or when they are placed into a bath which is too hot.

DO

Do stay with children whenever they are in the bathroom. (Take the phone off the hook).
Do take them out of the bathroom if you need to answer the phone or door.
Do test the temperature of the water with your elbow before placing your child in the bath.
Do make sure that the tap is turned off tightly.
Do consider setting your Infinity at a maximum temp. of 50°C.
(Contact Rinnai.)
Do install a child proof tap cover OR,
Do install a child resistant tap.

DON'T

Don't leave a toddler in the care of another small child. The older child may not have set the water temperature to a safe level.

· Consider child-resistant taps or inexpensive tap covers, both of which prevent a small hand being able to turn on the tap.

· Consider reducing the temperature of the water coming from the hot water tap to 50°C.
This approach can be extremely valuable because it requires a one time action for a long-term reduction in the risk of scalds.
This type of automatic protection is important during times when a parent or carer has been distracted.

GUARANTEE

The benefits conferred by this warranty are in addition to all other rights and remedies in respect of the product which you have under the Trade Practices Act and similar State and Territory Laws. Given installation is in accordance with the manufacturers specification, this appliance is warranted by Rinnai for the cost of labour and components in the event of defects arising from faulty materials and/or workmanship with the ensuing warranty conditions.

Domestic Use :	Labour	Parts	Commercial Use :	Labour	Parts
Heat Exchanger	3 Years	10 Years (Pro-rata)	Heat Exchanger	1 Year	1 Year
All other Parts	3 Years	3 Years	All other Parts	1 Year	1 Year

＊All terms are effective from date of installation.

Please record below the following information for your own records.

Your Retailer :

Address :   Phone :

Date of Purchase :

Your Installer :   Installer's License No.

Address :   Phone :

Date of Installation :

Please remember to send in your guarantee registration form.

SERVICE CONTACT POINTS

Rinnai
Rinnai Australia Pty.Ltd.
ACN 005 138 769   ABN 74 005 138 769

Head Office Vic / Tas
10-11 Walker Street, Braeside, Vic 3195
Telephone : (03) 9271 6625   Facsimile : (03) 9271 6622
Sales :   (03) 9271 6666   Facsimile : (03) 9271 6611
Service :   (03) 9271 6699   Facsimile : (03) 9271 6688

☎Helpline:1300 366 388
Mon-Fri (8.30am to 5.30pm EST)
Cost of a local call. Higher from mobile or public phones.

Internet : www.rinnai.com.au
E-mail : enquiry@rinnai.com.au

Rinnai Australia Pty.Ltd. reserves the right to make
modifications and change specifications without notice.

N.S.W. / A.C.T.
62 Elizabeth Street, Wetherill Park, NSW 2164
Telephone : (02) 9609 2111
Facsimile :   (02) 9609 5260

S.A. / N.T.
140 Days Road, Ferryden Park, SA 5010
Telephone : (08) 8345 0292
Facsimile :   (08) 8345 4760

W.A.
18 Belgravia Street, Belmont, WA 6104
Telephone : (08) 9478 3355
Facsimile :   (08) 9277 2531

QLD
1/6 Booran Drive, Logan Central, QLD 4114
Telephone : (07) 3209 4622
Facsimile :   (07) 3209 4722