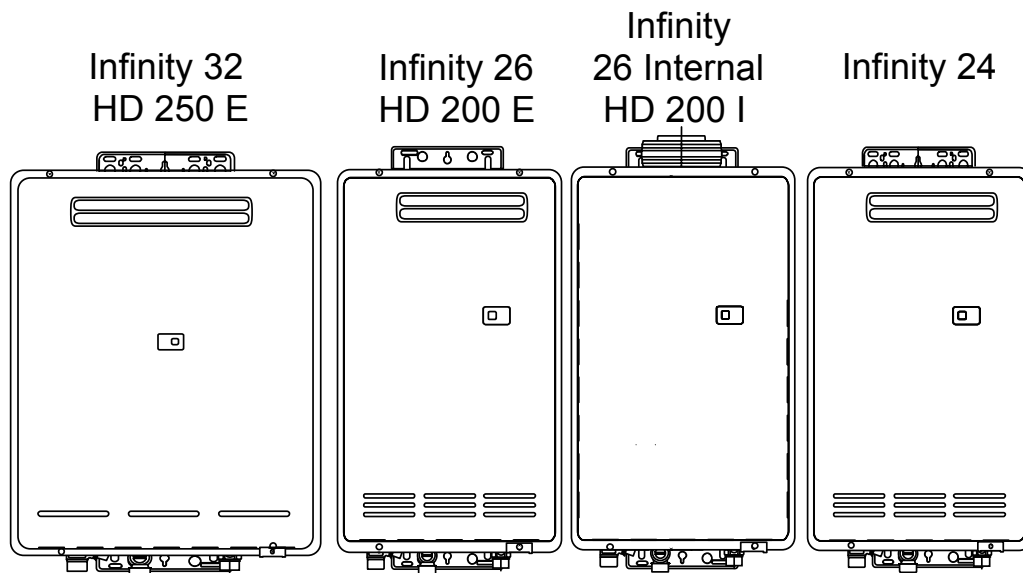


How to use your Water Heater **Rinnai**



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

**Temperature
Controlled
Operation**

**24 Hr Hot Water
In all areas
0800 746624**

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FEATURES AND BENEFITS

Congratulations on purchasing the latest in Technology Advanced Temperature Controlled Rinnai Hot Water System.

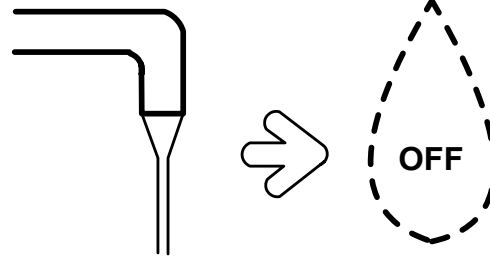
- The Rinnai Infinity NEVER RUNS OUT of hot water. Whilst electricity, water and gas supplies are connected, hot water is available whenever hot water taps are open.
- Built into the main micro-processor is the facility to LIMIT THE MAXIMUM TEMPERATURE of the hot water supplied. The water temperature 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 preset temperature of 55°C. If required, the temperature limits can be changed by an authorised person. For further information, please contact Rinnai.
- The Rinnai Infinity is a power flued appliance. This makes it COMPACT, saving both floor and wall space.
- 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 the burner is turned OFF and only turned ON again when the temperature falls to below the selected temperature.
- The burner lights automatically when the hot water tap is opened, and goes out when the tap is closed. IGNITION IS ELECTRONIC, so there is no pilot light. When the hot water tap is off, no gas is used.
- ‘Deluxe Bathfill’ or ‘Standard’ Temperature Controllers are available as an optional extra. Depending on the models chosen, these offer the following additional features:
 - Localised Temperature Controllers for up to one kitchen and three bathrooms
 - Bath fill function (Deluxe Bathfill Bathroom Control Only)
 - Voice Prompting (Deluxe Bathfill Control Only)
 - Clock (Deluxe Bathfill Control Only)
- Temperatures selected at the controllers are retained in the SYSTEM MEMORY.
- Operating NOISE LEVEL IS VERY LOW.
- ERROR MESSAGES ARE DISPLAYED on the Temperature Controllers, assisting with service.

IMPORTANT INFORMATION

Always check water temperature by hand before entering the shower or bath.



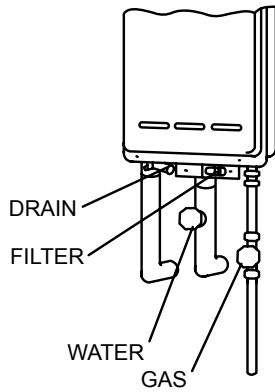
At low water flows, the hot water unit may go out without warning.



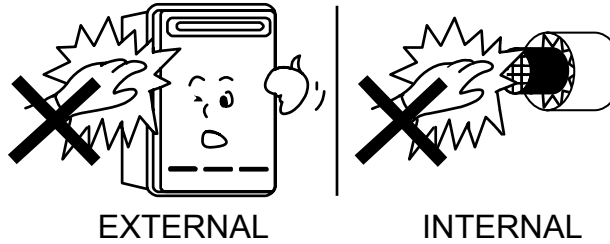
If freezing conditions are expected, turn off water and gas, and drain all water from the appliance.

Water Off
↓
Gas Off
↓
Drain Water

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

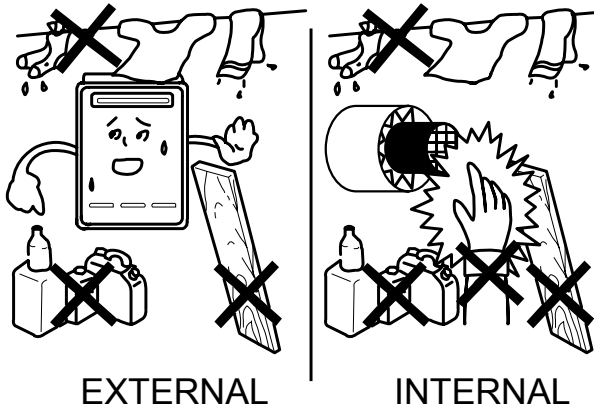


Do not touch the unit cover or the flue outlet. Do not insert objects into the flue outlet.



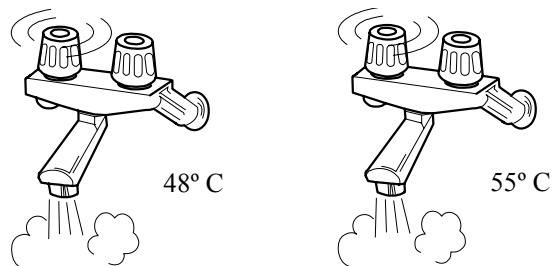
On cold days steam may be discharged from the flue outlet. This is normal with a high efficiency appliance and does not indicate a fault.

Keep flammable materials, trees, shrubs etc. away from the flue outlet.



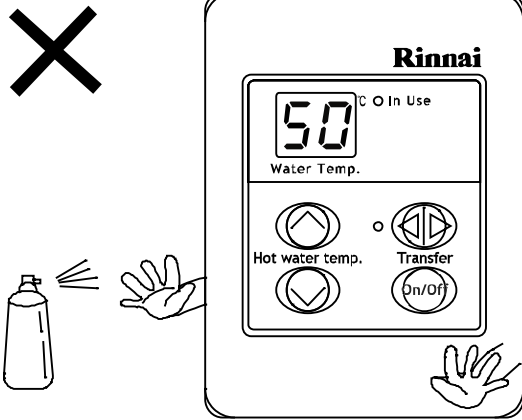
Do not spray water directly into the flue terminal.

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 Temperature Controller is altered. The water flow may also vary from summer to winter, as incoming water temperatures differ.

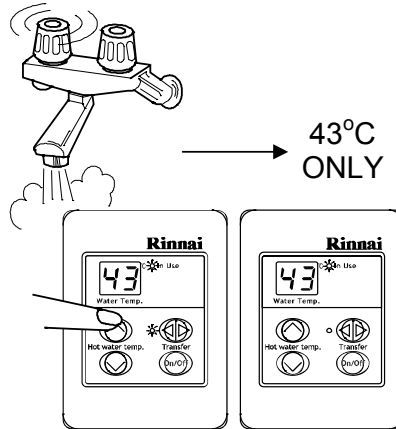


IMPORTANT INFORMATION

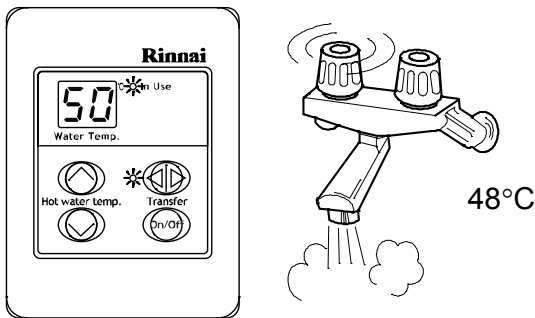
Do not clean the Temperature Control with solvents. Use a soft damp cloth.



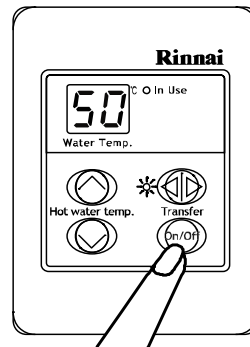
When the hot water tap is open, and hot water is flowing, the water temperature can only be increased to a maximum of 43°C on the Temperature Controller with priority.



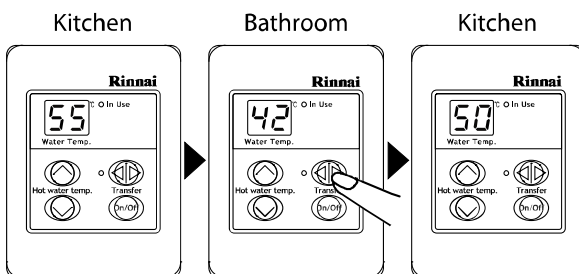
Depending on the weather conditions and the length of the pipe between the hot water unit and the tap in use, there may be a variation between the temperatures displayed at the Temperature Controller(s) and the temperature of the water at the tap.



There is no need to turn the Temperature Controller(s) off after use. However, if you prefer to turn the Temperature Controller(s) off, selected temperatures will be stored in the system memory at all times whilst mains power remains connected.



If a temperature is higher than 50°C, and has been selected at the Kitchen Controller and then priority of temperature selection is transferred to a Bathroom Controller and back again, the temperature on the Kitchen Controller will drop to 50°C. This is a safety feature.

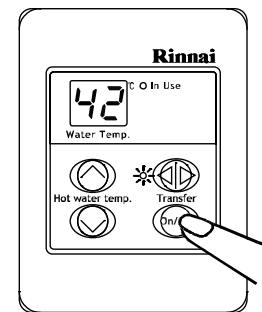


Do not push the ON/OFF button on the Kitchen Controller after having transferred priority of temperature selection to the Bathroom Controller as the system will no longer heat the water.

Turn OFF then ON.

WARNING

Someone may be about to enter a shower or fill the bath.



IMPORTANT

Rinnai New Zealand has a service and spare parts network in all areas.

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 the 0800 Rinnai service contact number 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 AS/NZS 3500.4
- Current AS/NZS 3000
- Local Water Authority Regulations.
- Local Gas Fitting Regulations.
- Municipal Building Codes.
- NZS 5261 Gas Appliance Installation Code.
- Any other relevant Statutory Regulations.

This Infinity must be installed correctly by an authorized 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 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
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

IMPORTANT INFORMATION

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.



Water temperatures 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 taps can result in very severe injuries to young children.

Hot water at 65°C (the average hot water temperature in New Zealand) can severely burn a child in less than half a second. At 50°C it takes five minutes.

Burns can occur when children are exposed directly to hot water 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 New Zealand)

Do install a child proof tap cover OR,

Do install a child resistant tap.

- **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.

DON'T

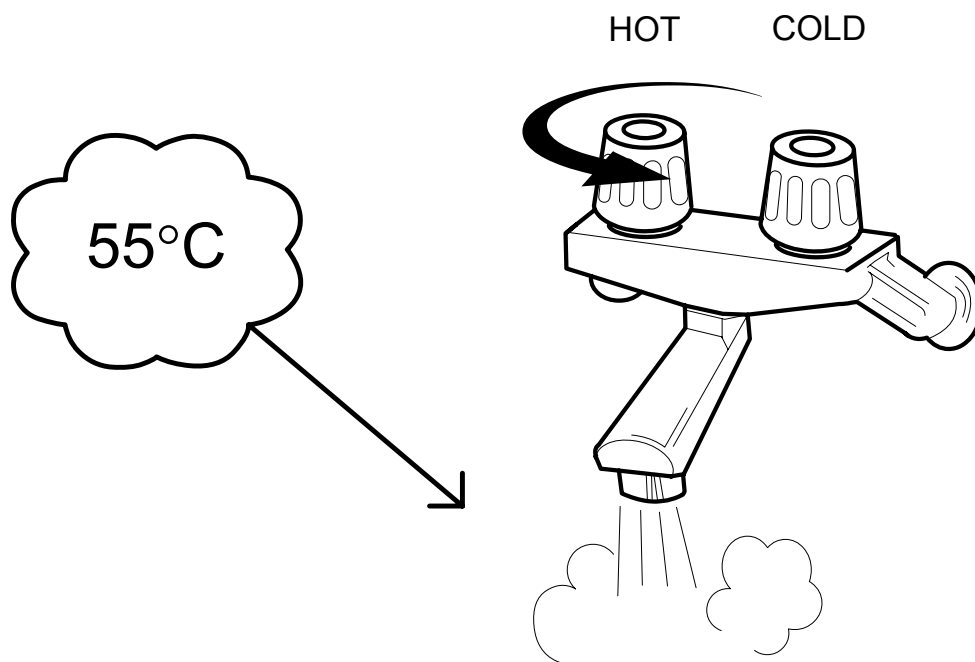
Don't leave a toddler in the care of another small child. The older child may not have set the water temperature to a safe level.

OPERATION WITHOUT TEMPERATURE CONTROLLERS

The Infinity has no pilot light and when installed without Temperature Controllers, 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 flowing through the appliance stops.

Simply, open a hot water tap.



NOTE

The Infinity is factory pre-set to 55°C. If you require greater control over the temperature of your hot water, contact Rinnai about our temperature controllers to allow precise digital temperature control in the range 37°C ~ 55°C.



NOTE

Controllers can be easily fitted at any time after installation.

TEMPERATURE CONTROLLERS

The purpose of the Temperature Controllers is to enable the user to have complete control over the hot water unit. 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. Adjustments to the operation of your hot water unit can be made with any of the Temperature Controllers. Each Temperature Controller can be individually programmed.

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

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

If a temperature between 43°C and 50°C is selected on a Bathroom Controller 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

Bath fill 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.

Temperature Controllers are an optional extra. 'Standard' and 'Deluxe Bathfill' Temperature Controllers can be fitted. Standard Controllers allow temperature selection only. Deluxe Bathfill Controllers have temperature selection, bath fill and clock functions.

Temperature Controllers allow the temperature to be set from various locations. The temperature selected will be available to all outlets.

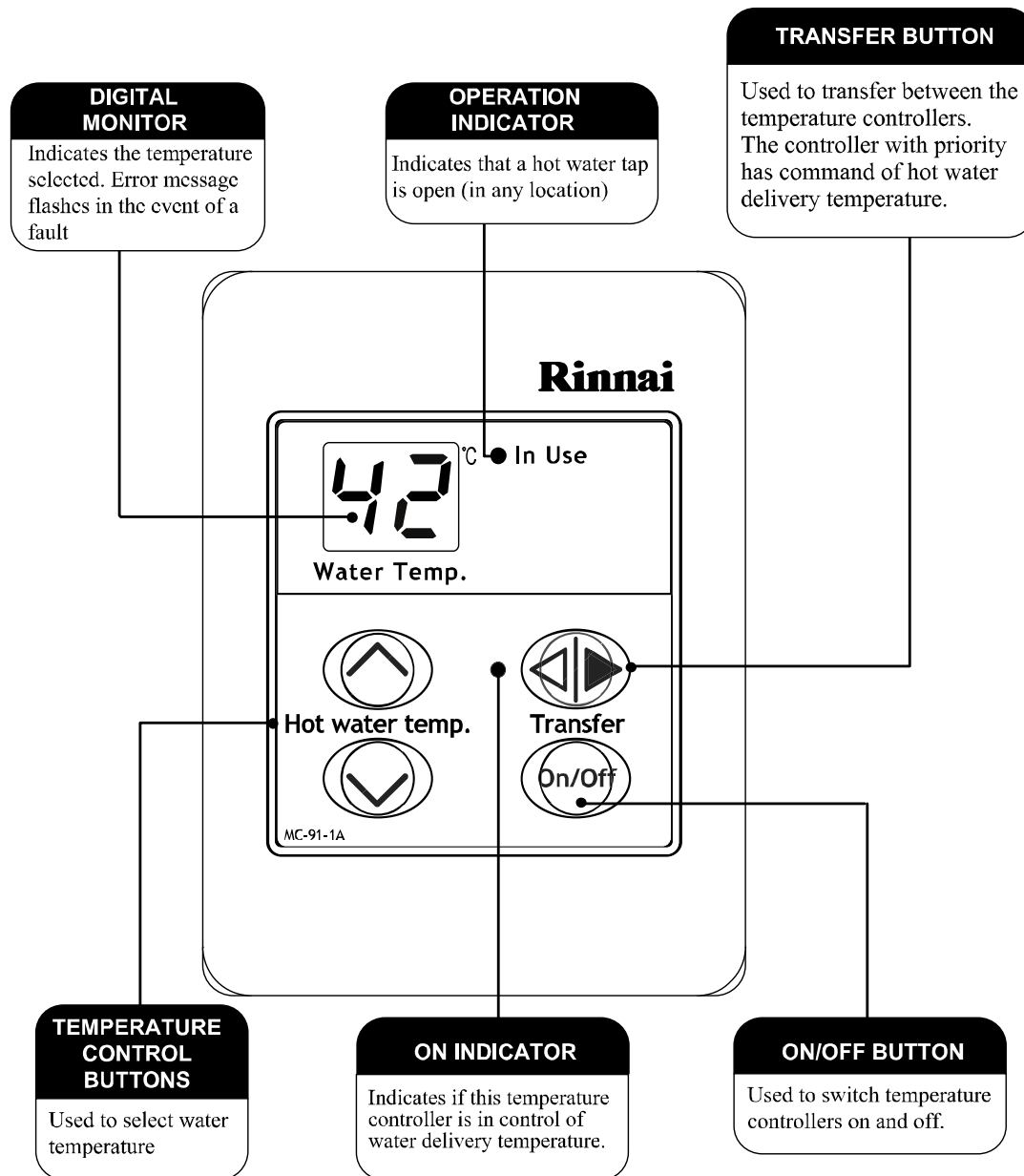
Controller Options

Model	Deluxe Bathfill Temperature Controllers	Standard Temperature Controllers
Infinity 26 Infinity 32 Infinity 24	MC-70-2A, BC-70-2A,	MC-91-1A

STANDARD TEMPERATURE CONTROLLER

Standard Kitchen Temperature Controller (MC-91-1A)

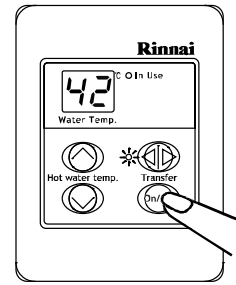
Temperature Controllers are not required to operate the Infinity unit. They are an optional extra providing control of water temperature. Up to 4 Standard Controllers can be fitted to one Infinity unit. They are normally installed in the areas where the majority of hot water is used, for example, the kitchen, bathroom, ensuite and laundry. Instead of the laundry, the 4th Controller could also be installed in the toilet or additional bathroom.



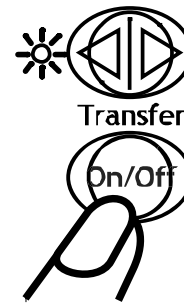
OPERATION WITH STANDARD TEMPERATURE CONTROLLERS

Using the Infinity with 1 Standard Temperature Controller

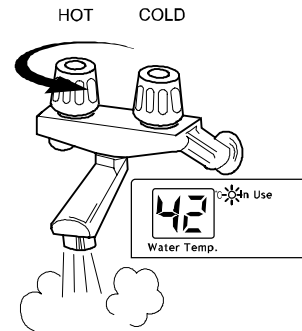
Press the ON/OFF button on the Temperature Controller.



- 1 The yellow ON indicator will glow on the Temperature Controller. This indicates that the hot water unit is ready to supply hot water when a tap is open.

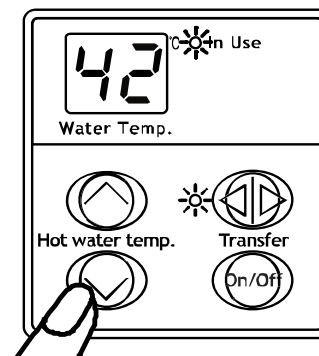


- 2 To operate the hot water unit, simply turn any hot water tap on. This will automatically light the burner providing hot water. The red IN USE indicator will glow on the Temperature Controller.



3 Adjusting Temperature

Simply press the HOTTER \wedge or COOLER \vee button until the required temperature is displayed on the Digital Monitor.



CHECK WATER TEMPERATURE BEFORE USE.

A parent should always check the temperature before a child is placed in contact with hot water.



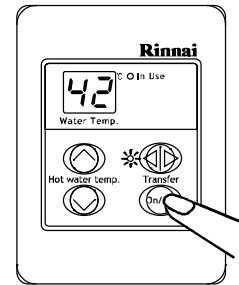
When any hot water tap is open, temperature cannot be adjusted except between 37°C and 43°C. For safety reasons, temperature 'priority' cannot be transferred between controllers when a hot water tap is open

OPERATION WITH STANDARD TEMPERATURE CONTROLLERS

Using the Infinity with 2 or more Standard Temperature Controllers

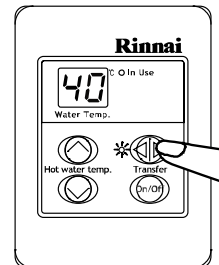
Switching the System 'ON':

The hot water system and all 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 water Temperature display will be lit. During normal operation the system is left ON.

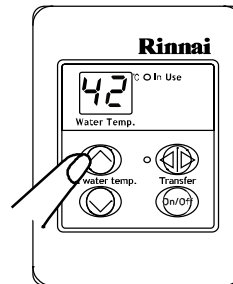


Using Hot Water

1 Ensure the system is switched 'ON'. When the system is ON, the temperature displays will be lit. Ensure the transfer button is lit. If not press the TRANSFER button once. This will transfer priority to this controller which will then have control of the water delivery temperature.

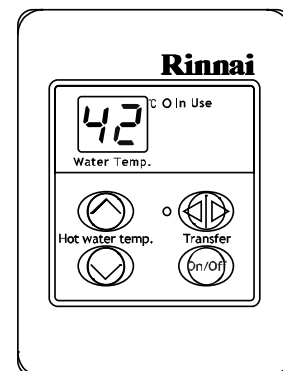
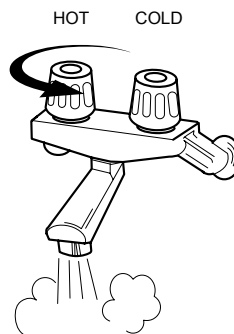


2 Select the desired temperature using the 'hot water temp' buttons. The selected temperature will be displayed on all controller monitors. This is the water temperature which will be supplied to all outlets.



Temperatures no higher than 50°C should be able to be selected on controllers installed in bathrooms, ensembles or toilets. This is to help reduce the risk of burns from hot water. If this is not the case, the controllers have been incorrectly installed. **CONTACT YOUR INSTALLER.**

3 Open the Hot Water Tap. The Infinity unit will be activated and the 'in use' indicator will light up.



When any hot water tap is open, temperature can not be adjusted except between 37° C and 43° C. For safety reasons, temperature 'priority' can not be transferred between controllers when hot water tap is open

OPERATION WITH STANDARD TEMPERATURE CONTROLLERS

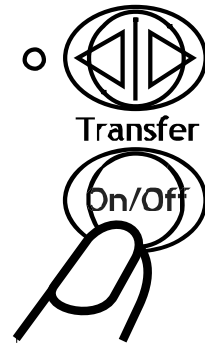
To TURN OFF your hot water system

During normal operation the system is left 'ON'.

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

The ON indicator will go out.

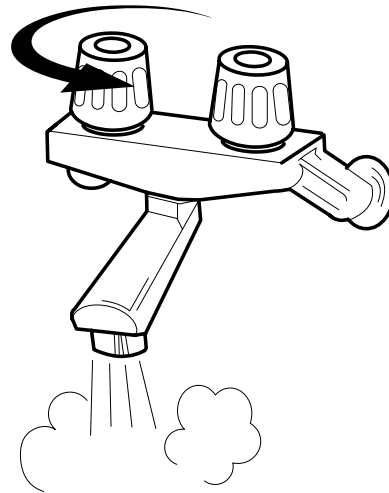
If hot water taps are opened when the Infinity is OFF, cold water will flow from the taps.



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 from the controller that has control.
- Other controllers are unable to change the delivery temperature of the water heater.

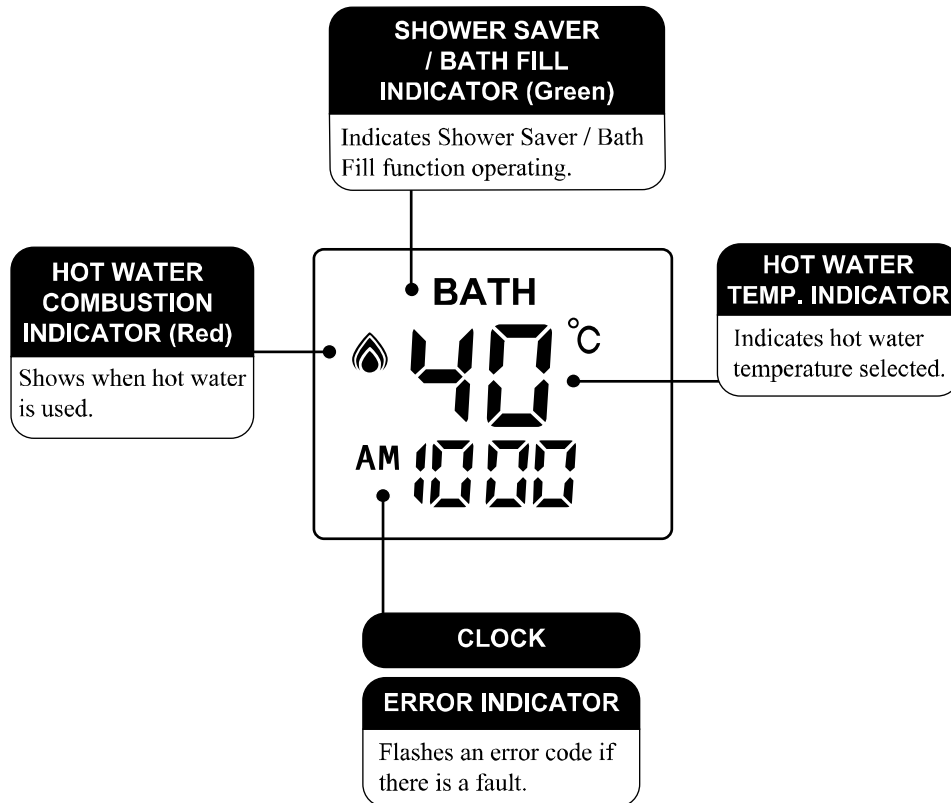


NOTE

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 Temperature Controllers are not fitted, the burner will automatically go out. The red operation indicator 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 of the Infinity unit).

DELUXE BATHFILL TEMPERATURE CONTROLLER

Deluxe Bathfill Kitchen Temperature Controller Monitor



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 Controller Up and Down buttons simultaneously for more than 3 seconds. This can be done for each Temperature Controller. To return to original settings, repeat this step.

DELUXE BATHFILL TEMPERATURE CONTROLLER

Deluxe Bathfill Kitchen Temperature Controller (MC-70-2A)

This temperature controller is installed in the kitchen. Each button confirms its operation with a beep and / or voice.

DIGITAL MONITOR

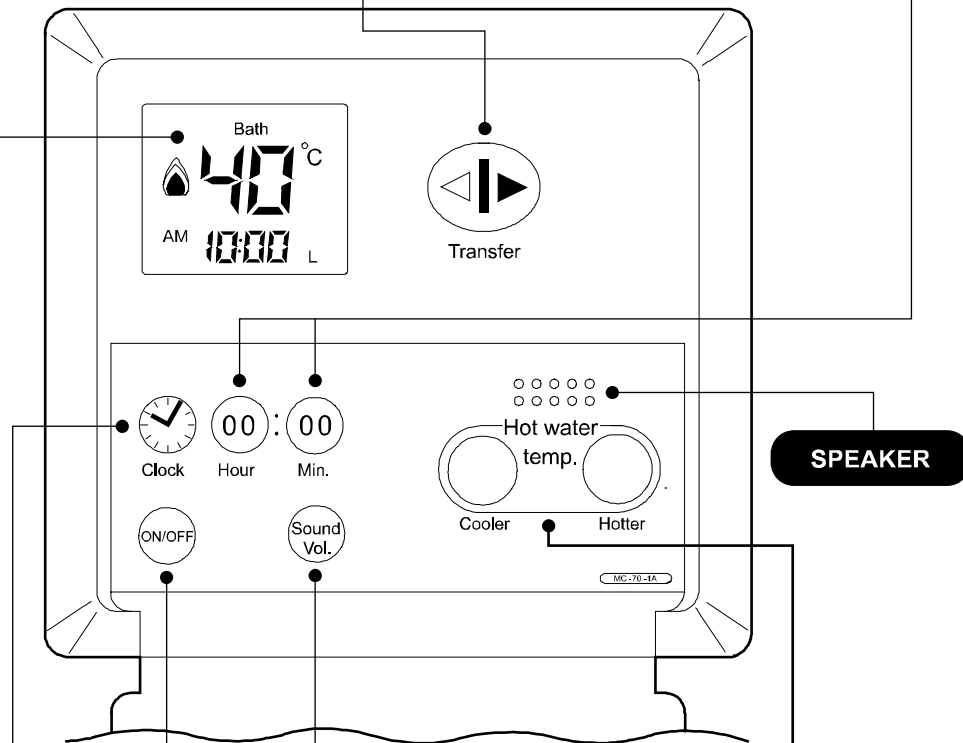
Indicates the hot water temperature, mode of operation and clock.

TRANSFER BUTTON / LIGHT (Green)

Used to transfer 'priority' between the temperature controllers. The controller with priority has command of the water delivery temperature. The light behind the transfer button of the controller that has priority will be illuminated.

HOURS / MINS BUTTONS

Used to select hours and minutes of the clock.



CLOCK BUTTON

Used to select the clock function.

SOUND VOLUME BUTTON

Used to change the voice volume.

ON/OFF BUTTON

Used to switch temperature controllers on and off.

TEMPERATURE CONTROL BUTTONS

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

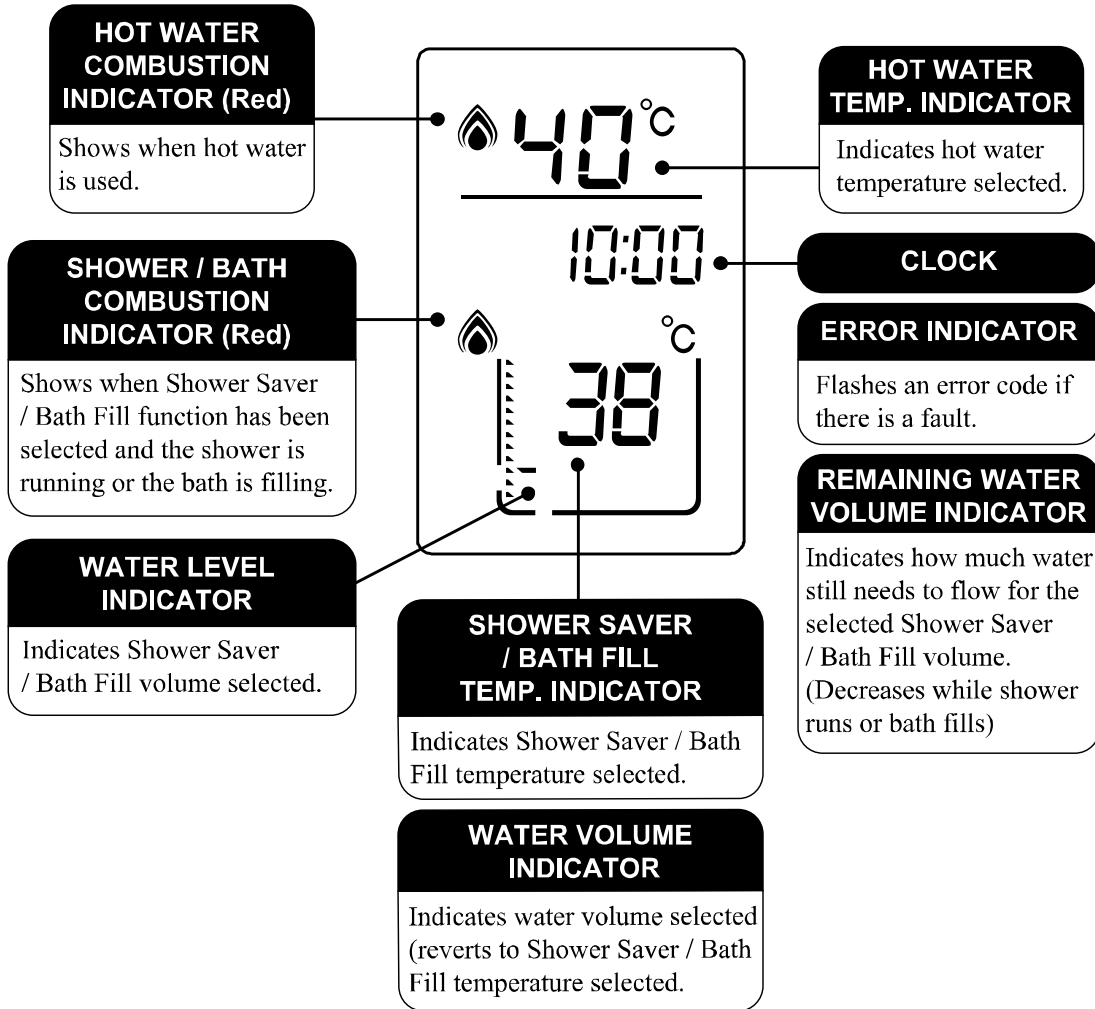


CAUTION

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

DELUXE BATHFILL TEMPERATURE CONTROLLER

Deluxe Bathfill Bathroom Temperature Controller Monitor



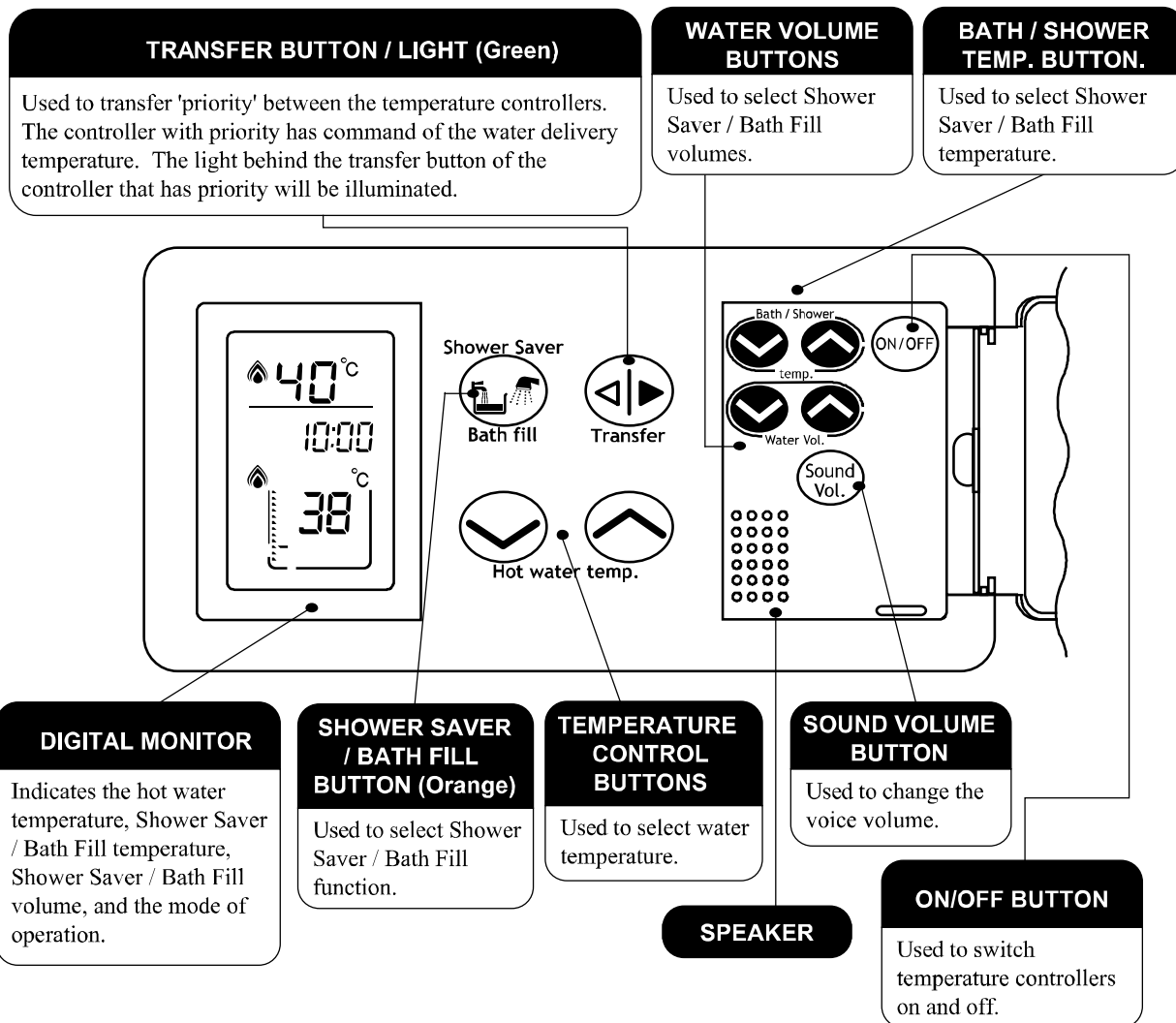
NOTE

- 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 Controller Up and Down buttons simultaneously for more than 3 seconds. This can be done for each Temperature Controller. To return to original settings, repeat this step.

DELUXE BATHFILL TEMPERATURE CONTROLLER

Deluxe Bathfill Bathroom Temperature Controller (BC-70-2A)

This temperature controller is installed in the bathroom. Each button confirms its operation with a beep and / or voice.

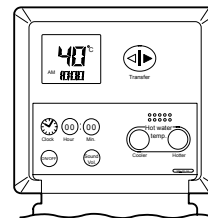


Be careful not to get water in the speaker as it may cause damage.

DELUXE BATHFILL TEMPERATURE CONTROLLERS

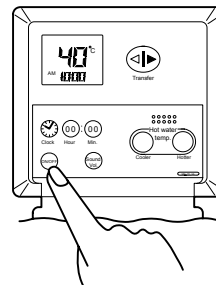
Using the Infinity with 1 Deluxe Bathfill Temperature Controller

When one Temperature Controller is required, the kitchen model must be used (MC-70-2A).



Switching the system ON

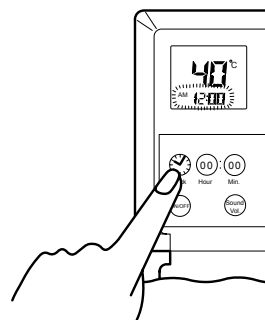
The hot water system and controller can be switched on and off pressing the 'ON/OFF' button as shown. When the system is turned on, the monitor will be lit. During normal operation the system is left on.



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.

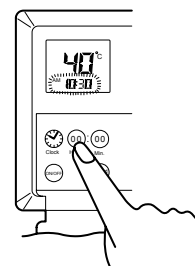


2 Set the time using the 'Hour' and 'Min.' buttons.

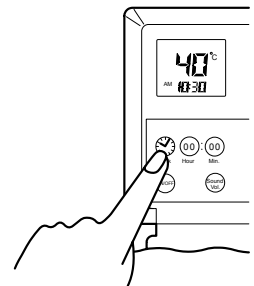
The time is displayed on the monitor as the buttons are pressed.

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.



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

DELUXE BATHFILL TEMPERATURE CONTROLLERS

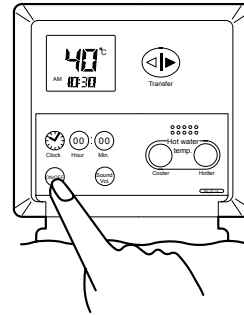
Setting the Sound Volume

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

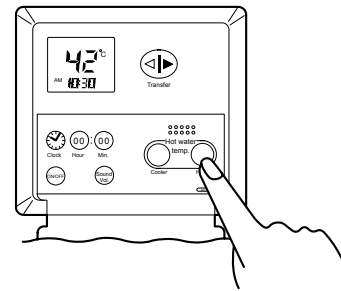
Using Hot Water

The hot water delivery temperature can be controlled from the Kitchen Controller (MC-70-2A).

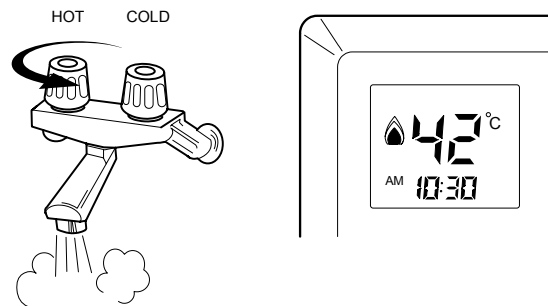
1 Ensure the system is switched ON. If not, press the 'ON/OFF' button behind the flip panel once. The 'Transfer' button will light up.



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 up on the monitor.



CAUTION

CHECK WATER TEMPERATURE BEFORE USE.

A parent should always check the temperature before a child is placed in contact with hot water.



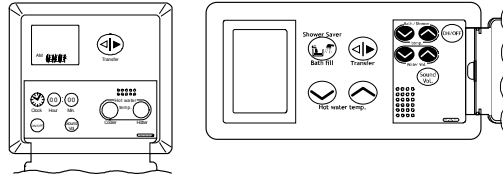
NOTE

When any hot water tap is open, temperature cannot be adjusted except between 37°C and 43°C. For safety reasons, temperature 'priority' cannot be transferred between controllers when a hot water tap is open.

OPERATION WITH DELUXE BATHFILL TEMPERATURE CONTROLLERS

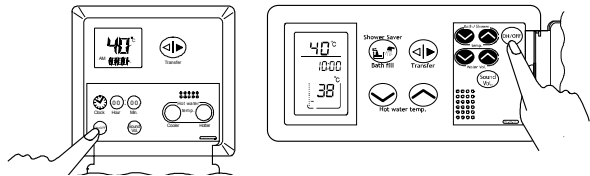
Using the Infinity with 2 Deluxe Bathfill Temperature Controllers

When 2 Temperature Controllers are used, they must be models MC-70-2A (Kitchen) and BC-70-2A (Bathroom).



Switching the System ON

The hot water system and both controllers can be switched on and off from either controllers 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.

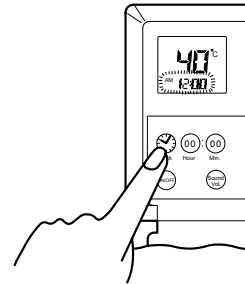


Setting the Clock

The clock is of the 12 hour AM/PM type and is set on the Kitchen Controller (MC-70-2A).

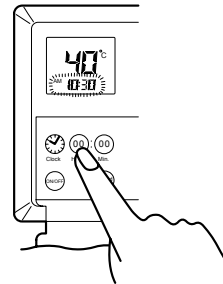
1

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



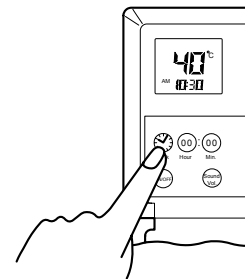
2

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.



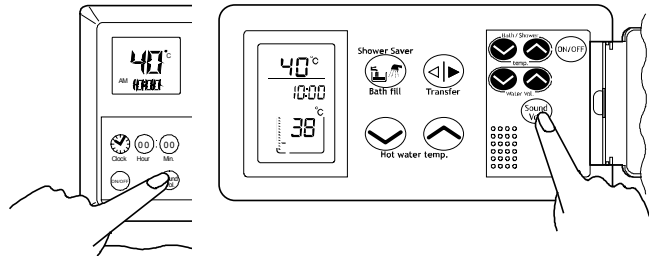
The time displayed on the Kitchen Controller is automatically displayed on all Bathroom Controller(s) when the Bathroom Controller(s) are ON. If the controllers are OFF, the time is only displayed on the Kitchen Controller. The clock may need to be reset after a power failure.

OPERATION WITH DELUXE BATHFILL TEMPERATURE CONTROLLERS

Setting the Sound Volume

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

Press the 'Sound Vol.' Button located behind the flip panel.



The volume will change as follows:

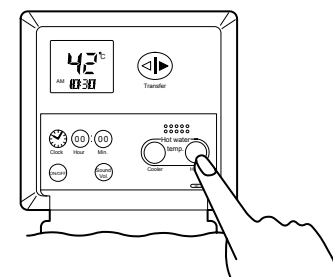
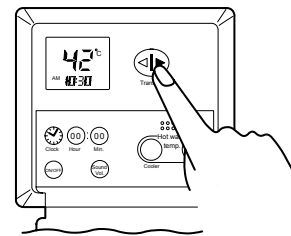
Voice Volume	
Initial Setting	Medium
Press Once	High
Press Again	Off
Press Again	Low

Using Hot Water

The hot water delivery temperature can be controlled from either the Kitchen Controller (MC-70-2A) or the Bathroom Controller (BC-70-2A).

Deluxe Bathfill 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.

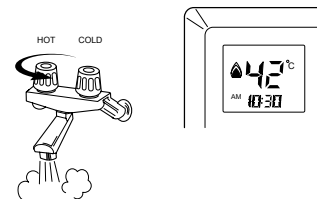


CHECK WATER TEMPERATURE BEFORE USE.

A parent should always check the temperature before a child is placed in contact with hot water.



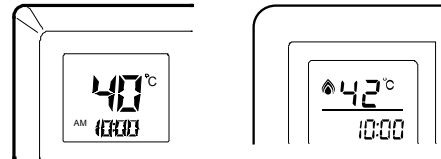
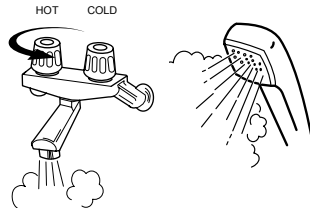
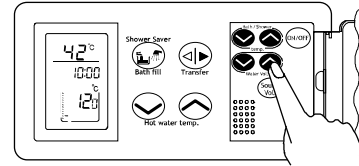
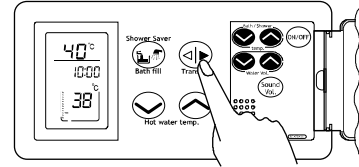
When any hot water tap is open, temperature cannot be adjusted except between 37°C and 43°C. For safety reasons, temperature 'priority' cannot be transferred between controllers when a hot water tap is open



OPERATION WITH DELUXE BATHFILL TEMPERATURE CONTROLLERS

Deluxe Bathfill 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.



CAUTION

CHECK WATER TEMPERATURE BEFORE USE.

A parent should always check the temperature before a child is placed in contact with hot water.



NOTE

When any hot water tap is open, temperature cannot be adjusted except between 37°C and 43°C. For safety reasons, temperature 'priority' cannot be transferred between controllers when a hot water tap is open

The 'Shower Saver / Bath fill' function enables a shower to be run for desired period or a bath to be filled to the desired level at the desired temperature automatically.

There are 2 steps to perform :

Step 1. Program the shower / bath volume and temperature into the Bathroom Controller(s) (BC-70-2A).

Step 2. Activate the automatic 'Shower Saver / Bath fill' function and follow the voice prompts.

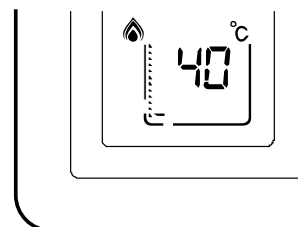


CAUTION

When using the 'Shower Saver / Bath fill' function to fill a bath for the first few times, it is recommended that you are present during the filling process.

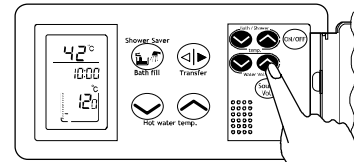
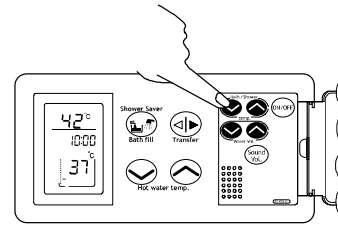
Step 1 - Programming the bath volume and temperature

When the controllers are first turned on, the default shower / bath fill temperature is 40°C and the shower / bath volume is 30 litres (indicated by the first level marker at the bottom of the monitor). The shower / bath volume can then be changed up to a maximum of 400. These settings are displayed at the bottom of the Bathroom Controller monitor and can be changed by the user as described as follows.



OPERATION WITH DELUXE BATHFILL TEMPERATURE CONTROLLERS

- (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 'Shower / 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.
- (c) Select the desired shower / 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 is used. During subsequent bath fills this can be increased depending on the volume of your bath and the desired level.



The relationship between shower / bath volume in litres and the position of the long bar against the level markers is as follows.

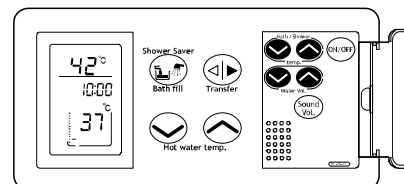
Eg. 120 litres – denoted numerically and by the second level marker from the bottom of the monitor, as shown below.

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
60	1
30	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!



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

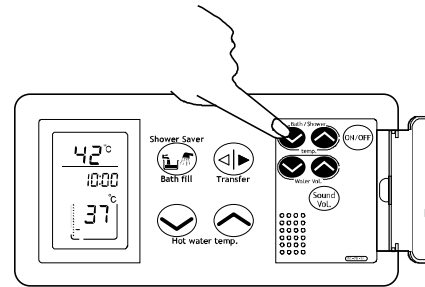


OPERATION WITH DELUXE BATHFILL TEMPERATURE CONTROLLERS

Step 2 – Activate the automatic Shower saver / 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 ‘Shower Saver / Bath fill’ button. The ‘Shower Saver / 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 shower or bath. The combustion indicator on all Temperature Controller(s) will light up and the shower will run or the bath will start to fill.



CHECK WATER TEMPERATURE BEFOR USE.

A parent should always check the temperature before a Child is placed in contact with hot water.



During Shower Saver / Bath fill, the time display on the Bathroom Controller will show the remaining shower / bath fill volume and will ‘count down’ the volume remaining.

If you wish to stop the water flow whilst the shower saver / bath fill function is in operation, simply press the ‘Shower Saver / Bath fill’ button. The ‘Shower Saver / Bath fill’ button

If you wish to stop the water flow whilst the shower saver / bath fill function is in operation, simply press the ‘Shower Saver / Bath fill button’. The ‘Shower Saver / 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 shower / bath fill is finished to the programmed volume & temperature (see ‘Step 1’):

- the flow from the shower / bath hot water tap will stop;
- the ‘Shower Saver / 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’ button.”

(e) **IMPORTANT – When filling a bath, close the hot water tap for the bath when the bath is full.** This is very important to prevent over filling of the bath.

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

The ‘Shower Saver / Bath fill’ button light on the Bathroom Controller and the ‘Bath’ indicator on the Kitchen Controller monitor will go out.



NEVER LEAVE YOUNG CHILDREN UNATTENDED IN THE BATH.

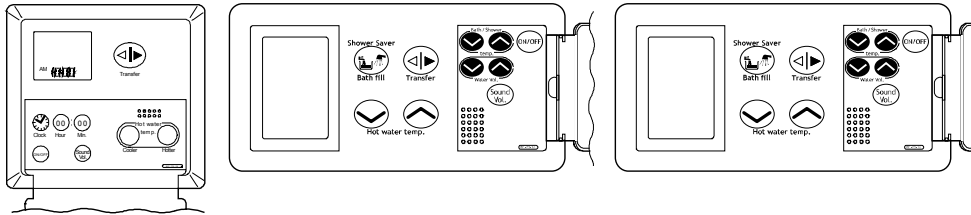
When using the ‘Shower saver / Bath fill’ function, ALWAYS close the hot water tap for the bath after the bath has filled and flow has stopped.

OPERATION WITH DELUXE BATHFILL TEMPERATURE CONTROLLERS

Using the Infinity with 3 Deluxe Bathfill Temperature Controllers

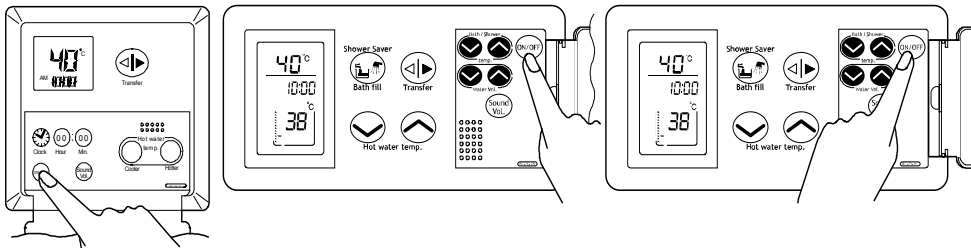
(Not available for use with Infinity 24 models)

When 2 or 3 Temperature Controllers are used for the Infinity, there must be one MC-70-2A (Kitchen) and two BC-70-2A (Bathroom).



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 monitors 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-70-2A) or Bathroom Controllers (BC-70-2A). See pages 21 to 22 for details on setting the hot water delivery temperature for the Kitchen and Bathroom Controllers.

Shower Saver Bath Fill Function

See pages 22 to 24 for details on the Shower Saver / Bath fill function. With two or more Bathroom Controllers fitted (one in each bathroom) only one bath can be filled at a time.



CHECK WATER TEMPERATURE BEFORE USE.

A parent should always check the temperature before a child is placed in contact with hot water.



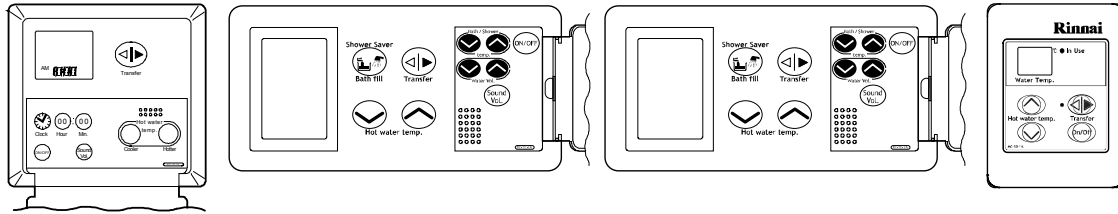
When any hot water tap is open, temperature cannot be adjusted except between 37°C and 43°C. For safety reasons, temperature 'priority' cannot be transferred between controllers when a hot water tap is open

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

OPERATION WITH DELUXE BATHFILL TEMPERATURE CONTROLLERS

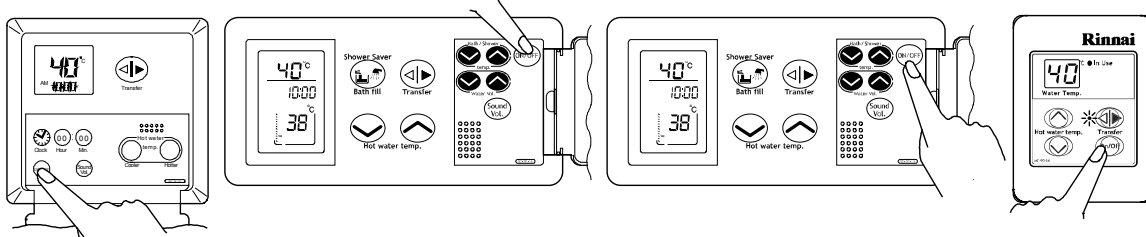
Using the Infinity with 3 Deluxe Bathfill Temperature Controllers and 1 Standard Temperature Controller (*Infinity 26, Heavy Duty 26 & Heavy Duty 26 - Internal only*)

When 3 to 4 Temperature Controllers are used for the Infinity, there must be one MC-70-2A (Kitchen), one or two BC-70-2A (Bathroom), and one MC-91-1A (Standard).



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 monitors 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 the Kitchen Controller (MC-70-2A), Bathroom Controller (BC-70-2A) or Standard Controller (MC-91-1A). See pages 21 to 22 and page 10 for details on setting the hot water delivery temperature for the Kitchen and Bathroom Controllers.

Shower Saver / Bath Fill Function

The 'Shower saver / Bath fill' function can only be used on Temperature Controller BC-70-2A. See pages 22 to 24 for details on the 'Bath fill' function.



CHECK WATER TEMPERATURE BEFORE USE.

A parent should always check the temperature before a child is placed in contact with hot water.



When any hot water tap is open, temperature cannot be adjusted except between 37°C and 43°C. For safety reasons, temperature 'priority' cannot be transferred between controllers when a hot water tap is open

TROUBLESHOOTING

The hot water unit has the ability to check its own operation continuously. If a fault occurs, an Error Code will flash on the Digital Monitor if you have Temperature Controllers. 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. (Refer to Warranty page for Warranty Conditions.)

Code Displayed	Fault	Remedy
-	Noticeable reduction in water flow	Inlet water filter needs to be cleaned. Service call.**
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 / No gas supply	Check gas is turned on at water heater and gas meter or cylinder. * **
12	Flame Failure / Low gas flow	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
33	Heat Exchanger Outlet 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

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

** Faults caused by insufficient gas/water supply or gas/water quality and installation errors are not covered by the manufacturer's warranty.

Troubleshooting Without Controllers

If you have no Temperature Controllers and experience the following symptoms, please carry out the suggestions below. If the symptom continues, please contact Rinnai for advice.

Fault	Remedy
The unit does not attempt to start at all.	Check the power is on at the unit. Check the cold water valve at the unit is on.
The unit starts then shuts down immediately.	Check the power is still on. Check the gas valve at the unit and the gas meter is fully open.** Open your hot water tap fully.
The unit starts then the water goes cold	Check the power is still on. Open your hot water tap further or try another tap. (Your unit has a minimum flow of 3L/min. required to operate the unit.)

** Faults caused by insufficient gas/water supply or gas/water quality and installation errors are not covered by the manufacturer's warranty.

WARRANTY

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 or 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	3 Year	5 Year (pro-rata)
All Other Parts	3 Years	3 Years	All Other Parts	3 Year	3 Year

*All terms are effective from date of purchase.

Faults arising from improper installation, gas supply, water quality *, plumbing fittings and other outside influences are not the responsibility of Rinnai Australia and service calls for these issues will be charged for.

* The recommended water quality levels are as follows:

Description	pH	TDS (Totally dissolved solids)	Total Hardness	Chlorides	Magnesium	Calcium	Sodium	Iron
Maximum Recommended Levels	6.5 to 9	Up to 600 mg/litre	Up to 200 mg/litre	Up to 300mg/litre	Up to 10 mg/litre	Up to 20 mg/litre	Up to 150 mg/litre	Up to 1 mg/litre

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 : _____ Certificate of Compliance No. : _____
 Model No. : REU _____ Serial No. : _____

Please remember to send in your Warranty Card.

SERVICE CONTACT POINTS

RINNAI NEW ZEALAND LTD.

691 MT ALBERT RD ROYAL OAK

AUCKLAND

PO BOX 24-068 AUCKLAND

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FAX (09) 624-3018

National Hot Water Service 0800Rinnai

0800 746624

Website: <http://www.rinnai.co.nz>

E-mail: sales@rinnai.co.nz