
TEMPERATURE CONTROL

CONTROLLERS

The Rheem 874 and 876 series can be installed with Rheem controllers to enable the user to control the temperature of the delivered water from the outlet of the water heater. There are two families of Rheem controllers suitable for installation with this water heater. These are the standard controllers and the Deluxe controllers.

Standard Controllers

There are three types of standard controller. They are the Kitchen controller (Rheem AU - Part 299850, NZ - Part A299850), Bathroom 1 controller (Rheem AU - Part 299851, NZ - Part A299851) and the Bathroom 2 controller (Rheem AU - Part 299852, NZ - Part A299852). These part numbers include the controller cable supplied with the controller.

The standard controllers are identified by a 'K' (Kitchen controller), 'B1' (Bathroom 1 controller) or 'B2' (Bathroom 2 controller) located on the front bottom left hand corner of the standard controller.

Deluxe Controllers

There are three types of Deluxe controller. They are the Kitchen Deluxe controller (Rheem AU - Part 299858, NZ - Part A299861), Bathroom 1 Deluxe controller (Rheem AU - Part 299859, NZ - Part A299862) and the Bathroom 2 Deluxe controller (Rheem AU - Part 299860, NZ - Part A299863). These part numbers include the controller cable supplied with the controller.

The Deluxe controllers are identified by a 'K' (Kitchen Deluxe controller), 'B1' (Bathroom 1 Deluxe controller) or 'B2' (Bathroom 2 Deluxe controller), located under the front panel, to the bottom left hand corner adjacent to the BATH FILL VOLUME label.

The Deluxe controllers offer additional functions to the standard controllers. These are:

- An assistance call function, which provides a voice prompt when pressed and will sound on all controllers. This is useful should a family member require assistance when in the bathroom.
- A Bath Fill function, which is designed to allow the water heater to deliver a selected volume of water at a selected temperature.

Bath filling takes place when the hot tap is opened. When the set volume has been delivered, the water flow from the water heater ceases.

Note: The bath level should be monitored periodically while this function is in use to avoid the possibility of the bath overflowing. The Bath Fill function should also be used with caution until you are familiar with its operation.

⚠ Warning: Baths should not be left unattended whenever young children are present.

⚠ Warning: Temperature controllers **must not** be fitted to this water heater (874 series) if it is installed as an in-series gas booster with a solar water heater system because water at a temperature much higher than the controller setting can be delivered. If a solar water heater is installed to an existing water heater installation, then all controllers **must be** disconnected and removed.



Notes:

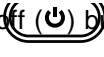
- Where more than one controller is installed, the second or third controller must be of the same family.
 - A standard controller can only be installed with another standard controller(s) and a Deluxe controller can only be installed with another Deluxe controller(s). A standard controller(s) and a Deluxe controller(s) cannot be connected to the same water heater.
 - One, two or three controllers can be installed. Only one of each type of controller can be connected to the water heater. Therefore, a maximum of three controllers only can be connected to each water heater.
 - A Bathroom 2 controller can only be installed if a Bathroom 1 controller is installed and a Bathroom 2 Deluxe controller can only be installed if a Bathroom 1 Deluxe controller is installed.
 - Other manufacturers' controllers are not suitable to and cannot be installed with this water heater.
-

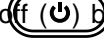
TEMPERATURE CONTROL – DELUXE

DELUXE CONTROLLER FUNCTIONS

If one or more Deluxe controllers are installed, at least one must be on or the Bath Fill function activated for the water heater to operate. If all Deluxe controllers and the Bath Fill function are off, the water heater will only deliver cold water.

on / off  button – The on / off  button must be pressed once to turn on the Deluxe controller. A Deluxe controller cannot be turned on if water is flowing from a hot tap.

To turn off a Deluxe controller, press the on / off  button once. A Deluxe controller can be turned off whilst water is flowing.

on / off operating light – The on / off operating light on the on / off  button will glow when the Deluxe controller is turned on.

The light will go out when the Deluxe controller is turned off.

PRIORITY light – The PRIORITY light will glow on a Deluxe controller when the controller has priority. The Bathroom Deluxe controller(s), if they are turned on, have priority over the Kitchen Deluxe controller.

PRIORITY means that particular Deluxe controller has control of the water heater temperature setting. The water temperature setting can only be adjusted by a Deluxe controller that has priority and is displaying the PRIORITY light.

operating light – The operating light will glow on all Deluxe controllers, whether they are on or off, when hot water is flowing, regardless of which Deluxe controller has priority.



temperature display panel – The current temperature setting is displayed in °C on all Deluxe controllers (whether hot water is flowing or not), when any Deluxe controller is on. If all Deluxe controllers are off, the display remains blank.

up (▲) button – The up (▲) button increases the water temperature setting.



Refer to [“Temperature Adjustment – Deluxe Controllers”](#).

down (▼) button – The down (▼) button decreases the water temperature setting.

Refer to [“Temperature Adjustment – Deluxe Controllers”](#).


assistance call  button – Pressing this button sounds an alert message on all Deluxe controllers, indicating that assistance is required in the room from which the assistance call  button was activated.

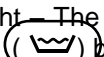

speaker – The audio of the voice prompts and chimes is emitted from the speaker.

bath fill  button – The bath fill  button must be pressed once to turn on the Bath Fill function.


When the Bath Fill function is turned on, the last selected bath fill water volume in litres will be displayed in the bath fill water volume display panel and the last selected bath fill temperature in °C will be displayed in the temperature display panel.

The bath fill water volume and temperature can be adjusted by using the BATH FILL VOLUME and BATH FILL TEMPERATURE buttons located behind the hinged panel on the lower half of the Deluxe controller. Refer to [“Bath-Fill Function”](#) on page 32.

To turn off the Bath Fill function, press the bath fill  button.

bath fill operating light – The bath fill operating light on the bath fill  button will glow when the bath fill  button is pressed and the Bath Fill function is turned on.

The light will flash when the Bath Fill function is complete but before the Bath Fill function has been turned off.

The light will go out when the bath fill  button is pressed and the Bath Fill function is turned off.

bath fill water volume display panel – The selected bath fill water volume is displayed in litres on all Deluxe controllers.

The selected bath fill water volume is displayed whenever the Bath Fill function is on (refer to “[Bath-Fill Function](#)”) or when the bath fill water volume is being adjusted and the Bath Fill function is off.

If the bath fill water volume is being adjusted and the Bath Fill function is off, then the bath fill water volume display panel goes blank three (3) seconds after a BATH FILL VOLUME button is last pressed.

At other times, if the Bath Fill function is off, the bath fill water volume display panel remains blank.

bath fill indicator light – this light in the display panel will glow when the bath fill water volume is displayed.

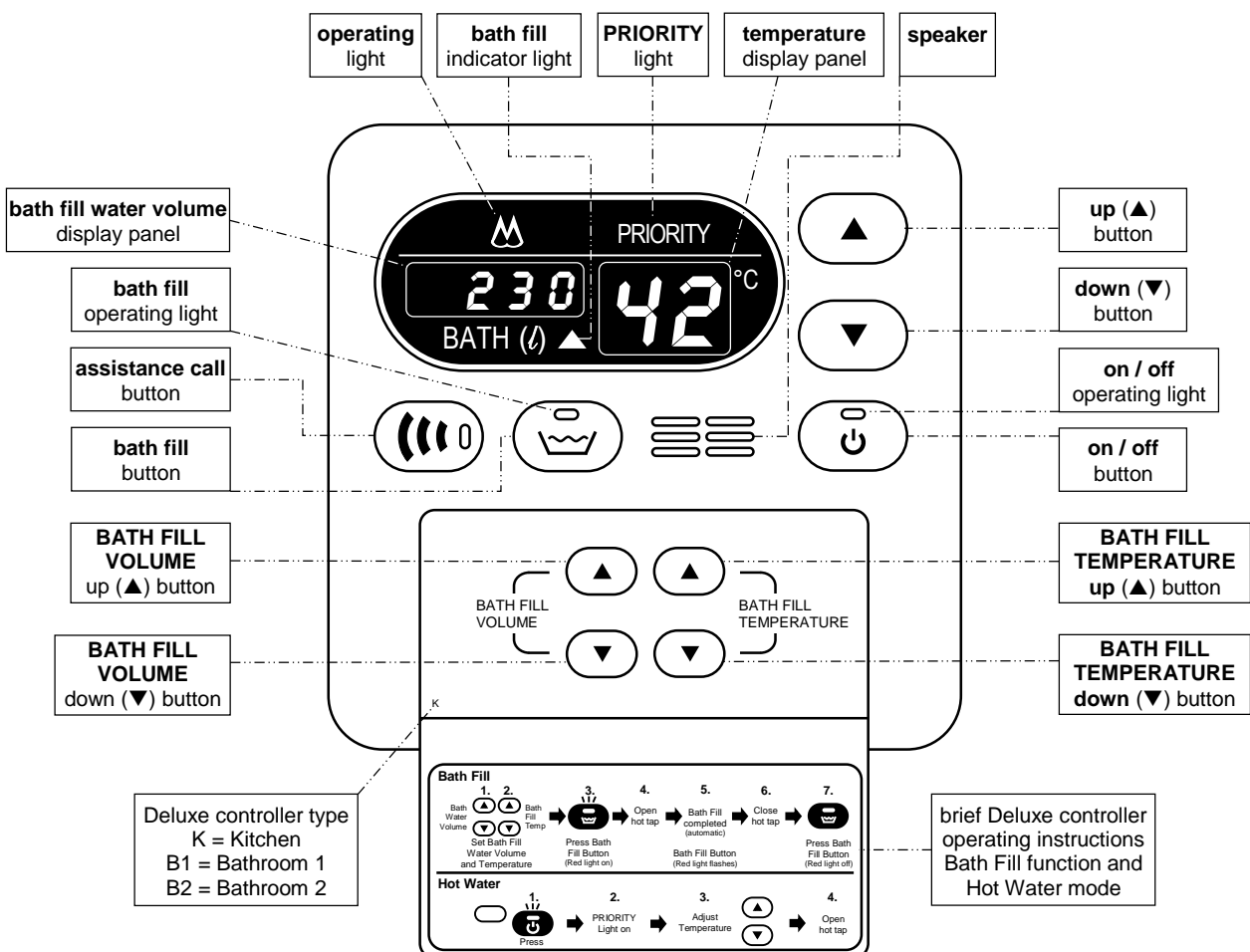
BATH FILL TEMPERATURE up (▲) button – The up (▲) button increases the bath fill water temperature setting (refer to “[Temperature Adjustment – Deluxe Controllers](#)” and “[Bath-Fill Function](#)”).

BATH FILL TEMPERATURE down (▼) button – The down (▼) button decreases the bath fill water temperature setting (refer to “[Temperature Adjustment – Deluxe Controllers](#)” and “[Bath-Fill Function](#)”).

BATH FILL VOLUME up (▲) button – The up (▲) button increases the bath fill water volume setting in increments of 10 litres up to 500 litres. A further setting of 990 litres can be selected.

BATH FILL VOLUME down (▼) button – The down (▼) button decreases the bath fill water volume setting from 990 litres to 500 litres and in increments of 10 litres from 500 litres down to 10 litres.

DELUXE CONTROLLER



VOICE PROMPT AND OPERATING TONE

The Deluxe controllers have a series of voice prompts and operating tones which sound during certain operations.

The voice prompts and operating tones sound from all Deluxe controllers, regardless of which Deluxe controller is being operated at the time.

Voice Prompt

The voice prompts are:

- When either the up (▲) button or BATH FILL TEMPERATURE up (▲) button is pressed
"hot water temperature has been increased"
- When either the down (▼) button or BATH FILL TEMPERATURE down (▼) button is pressed
"hot water temperature has been decreased"
- When the BATH FILL VOLUME up (▲) button is pressed
"Caution, bath fill water volume has been increased, bath may overflow"
- When the BATH FILL VOLUME down (▼) button is pressed
"bath fill water volume has been decreased"
- When the bath fill (🛀) button is pressed to turn on the Bath Fill function
"please set bath water volume and bath temperature, then open the hot water tap"
- When the set bath fill water volume has been delivered from the water heater during the Bath Fill function
"the bath is ready, please turn off the hot water tap and press the bath fill (🛀) button to finish"
- When the bath fill (🛀) button is pressed to halt the Bath Fill function before it is complete
"bath filling has been stopped, please turn off the hot water tap and press the bath fill (🛀) button to finish"
- When the bath fill (🛀) button is pressed to turn the Bath Fill function off and the hot tap has not been turned off
"please ensure the bath hot water tap is turned off"
- When the Deluxe controllers have been turned off during the Bath Fill function
"bath filling has been stopped"
- When the assistance call (🆘) button is pressed
"assistance required, assistance required"

Operating Tone

The operating chime will sound when the temperature adjustment up (▲) button or down (▼) button is pressed and the voice prompt is not speaking.

The operating beep will sound for each change in temperature increment when a BATH FILL TEMPERATURE adjustment button is pressed or scrolled, whether the voice prompt is speaking or not.

The operating beep will sound for each change in volume increment when a BATH FILL VOLUME adjustment button is pressed or scrolled and the voice prompt is not speaking.

Adjusting the Volume of the Voice Prompt and Operating Tone

The volume of the voice prompt and the operating tone can be adjusted to a level comfortable for you. The volume of the voice prompt and the operating tone can be adjusted independently of each other. The volume levels on a Deluxe controller are adjusted independently of another Deluxe controller.

The voice prompt and / or operating tone can also be turned off on an individual or all Deluxe controllers so they do not sound at all.

The factory default volume setting of both the voice prompt and operating tone is medium [med]. If there is an interruption to the water heater power supply, the volume of both the voice prompt and operating tone returns to the default setting.

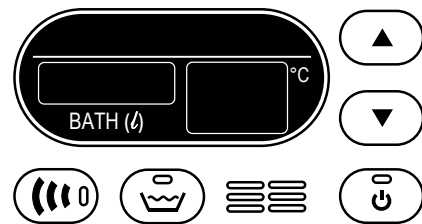
When adjusting the volume levels, the operating tone volume level is indicated by a chime, followed by the voice prompt volume level which is indicated by two beeps. If during the volume setting procedure only the chime is audible, this indicates the voice prompt is off. If during the volume setting procedure only the two beeps is audible, this indicates the operating tone is off.

To adjust or turn off the volume for the voice prompt and operating tone:

- Turn off all Deluxe controllers.
- Press and hold the up (▲) button, then within four (4) seconds press the on / off (⏻) button.

Each press of the on / off (⏻) button will change the voice prompt and operating tone in the following sequence:

- operating tone [MAX], voice prompt [OFF]
- operating tone [MIN], voice prompt [MIN]
- operating tone [MIN], voice prompt [OFF]
- operating tone [OFF], voice prompt [OFF]
- operating tone [MAX], voice prompt [MAX]
- operating tone [MED], voice prompt [OFF]
- operating tone [MED], voice prompt [MED]



This order then repeats.

Note: If the on / off (⏻) button is not pressed within four (4) seconds of the up (▲) button being pressed, “CL” will start flashing on the temperature display panel. If this occurs, release the up (▲) button and recommence the procedure.

ASSISTANCE CALL FUNCTION

A Deluxe controller has an assistance call (📞) button. Should assistance be required, such as when in the bathroom, a voice prompt will sound on all Deluxe controllers to notify others that assistance is required.

The Deluxe controller does not have to be on for the assistance call function to be activated and the function can be activated during any operation.

To Call for Assistance

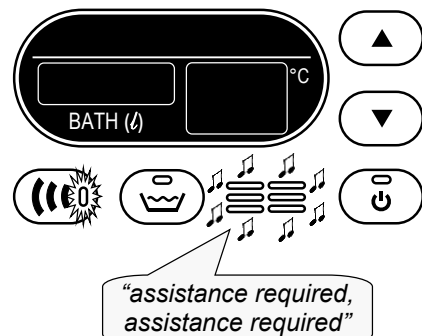
To operate the assistance call function:

1. Press the assistance call (📞) button.

The voice prompt will sound on all Deluxe controllers,

“assistance required, assistance required”

The red light in the assistance call (📞) button will glow on all Deluxe controllers for the duration of the voice prompt.



TEMPERATURE SETTINGS – DELUXE CONTROLLERS

The temperature settings of each type of Deluxe controller are:

- Bathroom 1 & 2 Deluxe 37°C to 46°C (in 1°C increments), 48°C*, 50°C
 - Kitchen Deluxe 37°C to 46°C (in 1°C increments), 48°C*, 50°C**, 55°C,*** 60°C
- * limited to 48°C when the Bath Fill function is set with 874 and 876 series models.
** limited to 50°C on an 876 series model.
*** NZ – limited to 55°C.

Temperature settings

37	38	39	40	41	42	43	44	45	46	48	50	55	60
warm			average hot shower				hot			very hot			

The installation of a Bathroom Deluxe controller(s) only (i.e. no Kitchen Deluxe controller) limits the temperature setting of the water heater to a maximum of:

- 874 series 50°C
- 876 series 50°C

regardless of the preset outlet temperature setting of the water heater.

The installation of a Kitchen Deluxe controller will allow a maximum temperature setting of:

- 874 series 60°C – AU 55°C – NZ
- 876 series 50°C

regardless of the preset outlet temperature setting of the water heater.

If there is no controller installed, the water heater defaults to the preset outlet temperature setting. This may be up to:

- 874 series 75°C
- 876 series 50°C

On a building fitted with a temperature limiting device such as a tempering valve and where an 874 series water heater is installed without a separate untempered hot water line to the kitchen, laundry or other non-ablution area, although the Kitchen Deluxe controller will be able to display temperatures above 50°C and the water leaving the water heater will be at the set temperature, the maximum water temperature which can be delivered to the hot water outlets in these locations is determined by the temperature setting of the temperature limiting device. This is usually 50°C.

On a building fitted with a temperature limiting device set to 50°C, to enable the delivery of water temperatures above 50°C to the kitchen, laundry or other non-ablution area, separate untempered pipe work must be installed from the water heater to the hot water outlets in these locations.

TEMPERATURE ADJUSTMENT – DELUXE CONTROLLERS

- A controller must be on with the PRIORITY indicator displayed to be able to adjust the temperature setting.
- The temperature adjustment is made by pressing the up (▲) button or down (▼) button.
- The minimum temperature setting for each type of controller is 37°C.
- The maximum temperature setting for the controllers are:

	Kitchen	Bathroom
874 series	60°C – AU, 55°C – NZ	50°C
876 series	50°C	50°C

- Each press of the up (▲) button will increase the temperature setting by one increment.
- Pressing and holding the up (▲) button will scroll the temperature setting up to a maximum 43°C if there is hot water flowing or 45°C if there is no hot water flowing.
- From the 45°C setting, the up (▲) button must be pressed once for each increase in temperature increment.
- The temperature setting cannot be increased above 43°C whilst hot water is flowing.
- Each press of the down (▼) button will decrease the temperature setting by one temperature increment.
- Pressing and holding the down (▼) button will scroll down the temperature setting.
- The temperature setting can be decreased from any temperature setting whether the hot water is flowing or not.

Note: A Deluxe controller sounds a double beep at the 42°C temperature setting, if the voice prompt is not speaking, when either the up (▲) button or down (▼) button has been pressed. The double beep does not sound at the 42°C temperature setting when the BATH FILL TEMPERATURE up (▲) button or BATH FILL TEMPERATURE down (▼) button is pressed.

KITCHEN CONTROLLER – DELUXE

The Kitchen Deluxe controller allows the user to select the temperature setting for the hot water to be used in the kitchen and laundry. It has a minimum temperature setting of 37°C and a maximum temperature setting of:

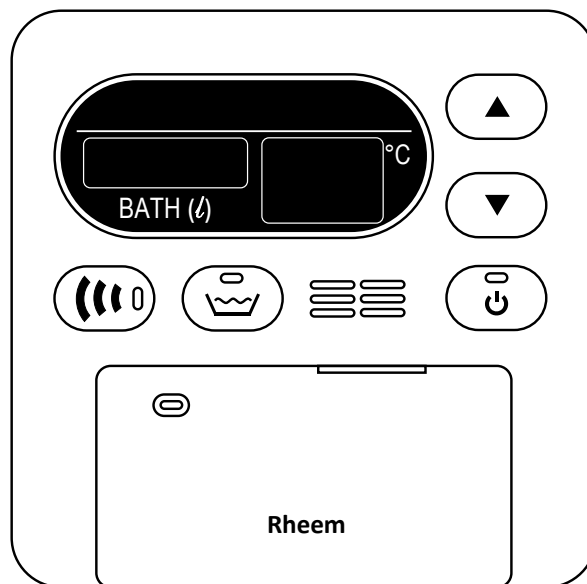
- 874 series 60°C – AU 55°C – NZ
- 876 series 50°C

The Kitchen Deluxe controller does not have priority (PRIORITY light is off) if a Bathroom Deluxe controller is on.

Notes on the Kitchen Deluxe controller:

- The Deluxe controller cannot be turned on whilst a hot tap is open.
- The Kitchen Deluxe controller must be on and have priority (PRIORITY light glows) in order to adjust the temperature setting on the Kitchen Deluxe controller.
- The Bathroom Deluxe controller(s) can be turned off from the Kitchen Deluxe controller.

Press and hold the on / off (⏻) button on the Kitchen Deluxe controller for three seconds. This turns off all the Deluxe controllers, including the Bath Fill function if it is on, the displays go blank and the lights go out. If hot water is flowing from a hot tap, it will go cold.

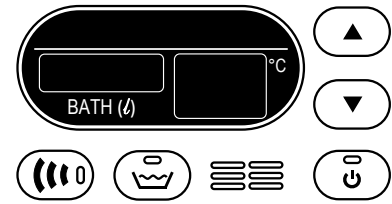


Kitchen Deluxe Controller

To operate the Kitchen Deluxe controller:

1. Turn off the Bathroom Deluxe controller(s)

- If a temperature setting is displayed and the PRIORITY light is not glowing, it is necessary to turn off the Bathroom Deluxe controller(s) to gain priority.
- Refer to the notes on the [Kitchen Deluxe controller](#) on page 28.

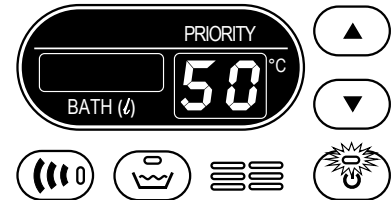


2. Turn on the Kitchen Deluxe controller

- Press the on / off (⏻) button.

The on / off operating light and the PRIORITY light will both glow.

The previous Kitchen Deluxe controller temperature setting will be displayed on the temperature display panel.



3. Select the temperature setting

- Press the up (▲) button or down (▼) button.

When the up (▲) button is pressed, the voice prompt will sound;

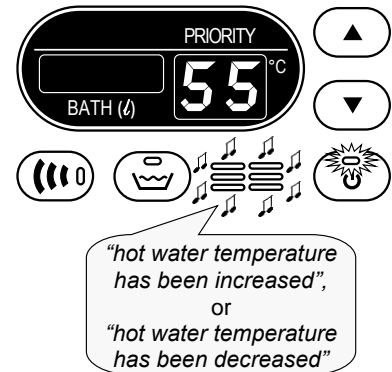
"hot water temperature has been increased"

When the down (▼) button is pressed, the voice prompt will sound;

"hot water temperature has been decreased"

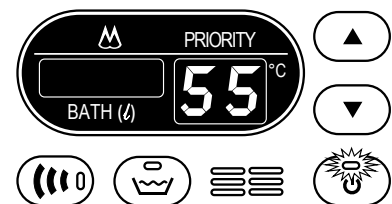
- Refer to ["Temperature Adjustment – Deluxe Controllers"](#) on page 27.

The selected temperature setting will be displayed on all Deluxe controllers.



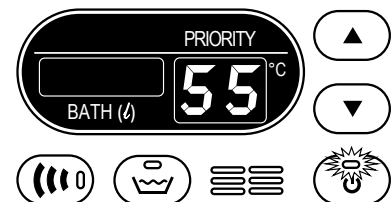
4. Open the hot tap.

The operating light will glow on all Deluxe controllers.



5. Close the hot tap.

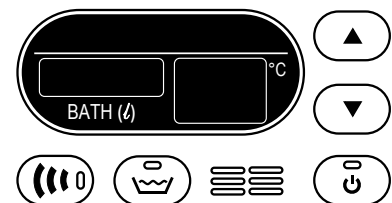
The operating light will go out on all Deluxe controllers, if no other hot tap is open.



6. Turn off the Kitchen Deluxe controller

- Press the on / off (⏻) button.

The PRIORITY light and the on / off operating light will go out and the temperature display panel will go blank.



Important: Turn off the Kitchen Deluxe controller after hot water usage is finished in the kitchen and / or laundry. Refer to [Important](#) note for Bathroom Deluxe controllers on page 30.

BATHROOM CONTROLLERS – DELUXE

The Bathroom Deluxe controller(s) allows the user to select the temperature setting for the hot water to be used in the bathroom. They have a minimum temperature setting of 37°C and a maximum temperature setting of 50°C:

- 874 series 50°C
- 876 series 50°C

The Bathroom Deluxe controllers operate in tandem. Whenever an operation is selected on one Bathroom Deluxe controller, it is also set on the other Bathroom Deluxe controller. The Bathroom Deluxe controllers automatically have priority (PRIORITY light glows) if they are on.

Important: It is important to turn on the Bathroom Deluxe controller before opening a hot tap in the bathroom (priority is gained automatically and the PRIORITY light glows). If the Bathroom Deluxe controller is not on and the Kitchen Deluxe controller is on (will have priority and the PRIORITY light glows), then it is possible to receive water at a temperature higher than expected from a hot tap in the bathroom. This temperature could be up to:

- 874 series 50°C if a temperature limiting device is installed in the hot pipe to the bathroom or up to 60°C – AU or 55°C – NZ if a temperature limiting device is not installed.
- 876 series 50°C

Notes on the Bathroom Deluxe controllers:

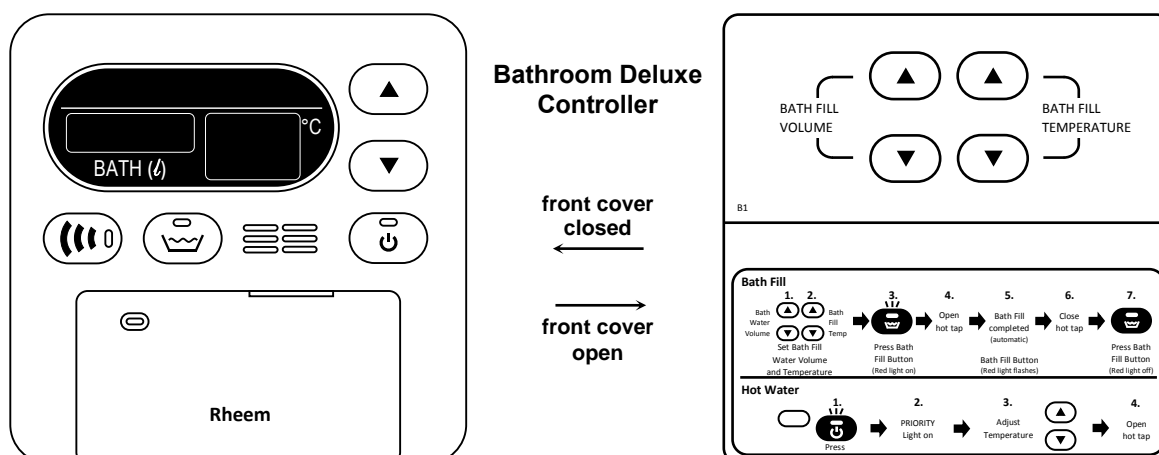
- The Deluxe controller cannot be turned on whilst a hot tap is open.
- When a Bathroom Deluxe controller is turned on, it gains priority (PRIORITY light glows) from the Kitchen Deluxe controller.
- The Bathroom Deluxe controller must be on in order to adjust the temperature setting on the Bathroom Deluxe controller.
- The Kitchen Deluxe controller can be turned off from a Bathroom Deluxe controller.

Press and hold the on / off (⏻) button on the Bathroom Deluxe controller for three seconds. This turns off all the Deluxe controllers, including the Bath Fill function if it is on, the displays go blank and the lights go out. If hot water is flowing from a hot tap, it will go cold.

- **⚠ Warning:** It is advised to leave the Bathroom Deluxe controller on after hot water usage is finished in the bathroom. **Turning off a Bathroom Deluxe controller in one bathroom will also turn off the Bathroom Deluxe controller in the other bathroom.** The Kitchen Deluxe controller will gain priority (PRIORITY light glows) if it is on and the temperature setting can be up to:

- 874 series 60°C – AU 55°C – NZ
- 876 series 50°C

If a hot tap is open in another bathroom, the water will be delivered at: for an 874 series model – up to 50°C if a temperature limiting device is installed in the hot pipe to the bathroom or up to 60°C – AU or 55°C – NZ if a temperature limiting device is not installed; or for an 876 series model – up to 50°C.

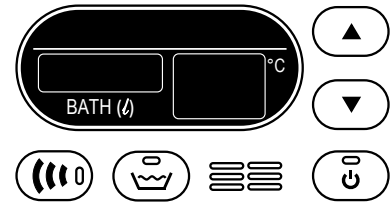


To operate a Bathroom Deluxe controller:

1. Turn off the Kitchen Deluxe controller

- If a temperature setting is displayed and the PRIORITY and on / off operating lights are not glowing, it is advised to turn off the Kitchen Deluxe controller.

Refer to the notes on the [Bathroom Deluxe controllers](#).



2. Turn on the Bathroom Deluxe controller

- Press the on / off (⏻) button.

The on / off operating light and the PRIORITY light will both glow.

The temperature setting of 40°C will be displayed on the temperature display panel.



3. Select the temperature setting

- Press the up (▲) button or down (▼) button.
When the up (▲) button is pressed, the voice prompt will sound;

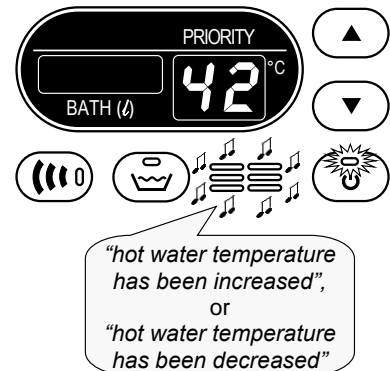
"hot water temperature has been increased"

When the down (▼) button is pressed, the voice prompt will sound;

"hot water temperature has been decreased"

- Refer to ["Temperature Adjustment – Deluxe Controllers"](#).

The selected temperature setting will be displayed on all Deluxe controllers.



4. Open the hot tap

The operating light will glow on all Deluxe controllers.



5. Close the hot tap

The operating light will go out on all Deluxe controllers, if no other hot tap is open.

It is advised not to turn off the Bathroom Deluxe controller(s).

- Refer to the [warning](#).



BATH FILL FUNCTION

The Bath Fill function is designed to allow the water heater to deliver a selected volume of water at a selected temperature. The Bath Fill function commences when the bath fill (👑) button is on and a hot tap is opened. When the set volume has been delivered, the water flow from the water heater ceases and heating stops. It is also useful for controlling the water volume used by a shower or other application.

Note: The bath level should be monitored periodically while this function is in use to avoid the possibility of the bath overflowing. The Bath Fill function should be used with caution until you are familiar with its operation.

⚠ Warning: Baths should not be left unattended whenever young children are present. After using the Bath Fill function, check the water temperature before entering a bath, to ensure it is suitable and will not cause scald injury.

The Bath Fill function can be set and turned off at any of the Deluxe controllers.

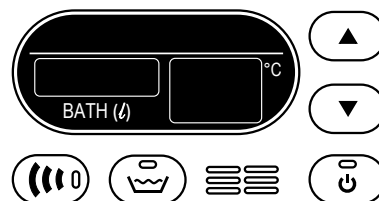
Bath Fill Function – Brief Guide

This guide provides a brief instruction on the operating sequence of the Bath Fill function. It is recommended to read the explanatory notes and become familiar with each step in the Bath Fill function. Refer to [“Bath Fill Function – Explanatory Notes”](#).

To operate the Bath Fill function:

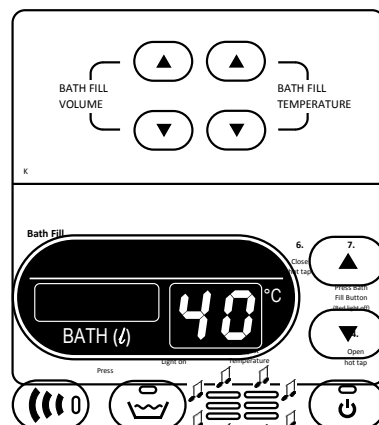
1. Turn off all Deluxe controllers

- It is advised to turn off all Deluxe controller(s) before activating the Bath Fill function.



2. Pull down the front panel on the Deluxe controller.

The BATH FILL VOLUME and BATH FILL TEMPERATURE up (▲) and down (▼) buttons will be exposed.



3. Set the Bath Fill temperature

- Press the BATH FILL TEMPERATURE up (▲) button or the BATH FILL TEMPERATURE down (▼) button to select the desired bath fill temperature.
- Refer to [“Temperature Adjustment – Deluxe Controllers”](#). The selected temperature setting will be displayed on all Deluxe controllers.

“hot water temperature has been increased”,
or
“hot water temperature has been decreased”

4. Set the bath fill water volume

- Press the BATH FILL VOLUME up (▲) button or the BATH FILL VOLUME down (▼) button to select the desired bath fill water volume. Each press will change the water volume setting by 10 litres.

Pressing the BATH FILL VOLUME up (▲) button or BATH FILL VOLUME down (▼) button continuously will scroll the water volume setting.

A maximum volume of 990 litres and a minimum volume of 10 litres can be set. The volume changes in 10 litre increments.

The selected bath fill water volume will be displayed and the bath fill indicator light will glow on all Deluxe controllers.



“caution, bath fill water volume has been increased, bath may overflow”
or
“bath fill water volume has been decreased”

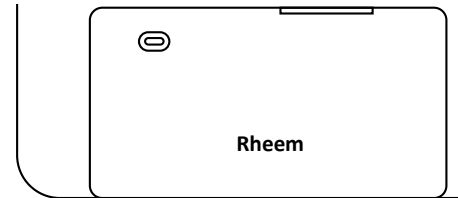
5. Close the front panel on the Deluxe controller.

6. Turn on the Bath Fill function

- Press the bath fill (🛀) button.

On all Deluxe controllers:

- The bath fill operating light will glow.
- The bath fill temperature setting will appear on the temperature display panel.
- The bath fill water volume will appear on the bath fill water volume display panel.
- The bath fill indicator light will glow.



7. Open the hot tap.

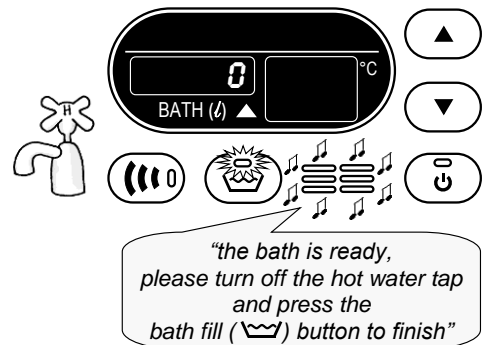
The operating light will glow on all Deluxe controllers.

Measurement of the water flow at the water heater will commence when the hot tap is opened.

When the set volume of water has passed through the water heater:

- Water flow from the hot tap will cease.
- The operating light will go out.
- The bath fill water volume display panel will show 0 litres.
- The temperature display will go blank.
- The bath fill operating light will commence to flash
- The voice prompt will sound;

"the bath is ready, please turn off the hot water tap and press the bath fill (🛀) button to finish"



8. Close the hot tap.

9. Turn off the Bath Fill function

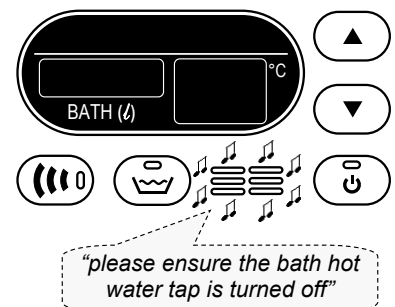
- Press the bath fill (🛀) button.

The bath fill operating light and bath fill indicator light will go out.

The bath fill water volume display will go blank.

Note: If the hot tap has not been turned off, the voice prompt will sound;

"please ensure the bath hot water tap is turned off"



Bath Fill Function – Explanatory Notes

To operate the Bath Fill function:

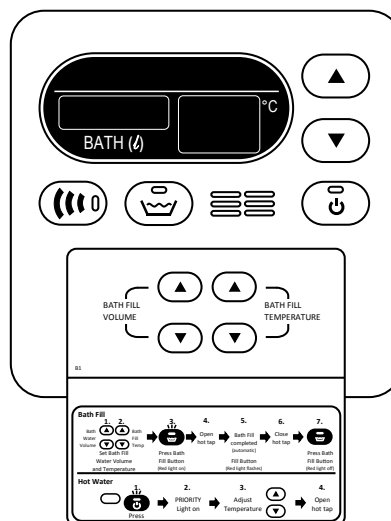
1. Turn off all Deluxe controllers

- It is advised to turn off all Deluxe controller(s) before activating the Bath Fill function.

The Deluxe controllers do not need to be on to set the bath fill temperature and bath fill water volume and to turn on the Bath Fill function.

2. Pull down the front panel on the Deluxe controller.

The BATH FILL VOLUME and BATH FILL TEMPERATURE up (▲) and down (▼) buttons will be exposed.

**3. Set the bath fill temperature**

- Press the BATH FILL TEMPERATURE up (▲) button or the BATH FILL TEMPERATURE down (▼) button.

The first press of either the BATH FILL TEMPERATURE up (▲) button or the BATH FILL TEMPERATURE down (▼) button will bring up the last selected bath fill temperature setting.

While the bath fill temperature is displayed, each subsequent press of the BATH FILL TEMPERATURE up (▲) button or BATH FILL TEMPERATURE down (▼) button will change the temperature setting.

Refer to [“Temperature Adjustment – Deluxe Controllers”](#).

When the BATH FILL TEMPERATURE up (▲) button is pressed and the temperature setting is increased, the voice prompt will sound;

“hot water temperature has been increased”

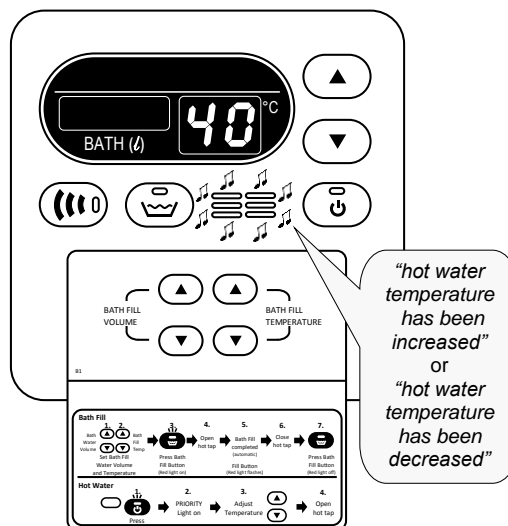
When the BATH FILL TEMPERATURE down (▼) button is pressed and the temperature setting is decreased, the voice prompt will sound;

“hot water temperature has been decreased”

The selected temperature setting will be displayed in the temperature display panel and will be displayed on all Deluxe controllers.

The temperature display panel will go blank 3 seconds after the last press of either of the bath fill temperature adjustment buttons.

The bath fill temperature setting will be remembered when the bath fill (👑) button is pressed “on”.



4. Set the bath fill water volume

- Press the BATH FILL VOLUME up (▲) button or the BATH FILL VOLUME down (▼) button.

The first press of either the BATH FILL VOLUME up (▲) button or the BATH FILL VOLUME down (▼) button will display the last selected bath fill water volume setting in the bath fill water volume display panel and the bath fill indicator light will glow.

While the bath fill water volume is displayed, each subsequent press of the BATH FILL VOLUME up (▲) button or BATH FILL VOLUME down (▼) button will change the water volume setting by 10 litres.

When the BATH FILL VOLUME up (▲) button is pressed and the water volume setting is increased, the voice prompt will sound;

“caution, bath fill water volume has been increased, bath may overflow”

When the BATH FILL VOLUME down (▼) button is pressed and the water volume setting is decreased, the voice prompt will sound;

“bath fill water volume has been decreased”

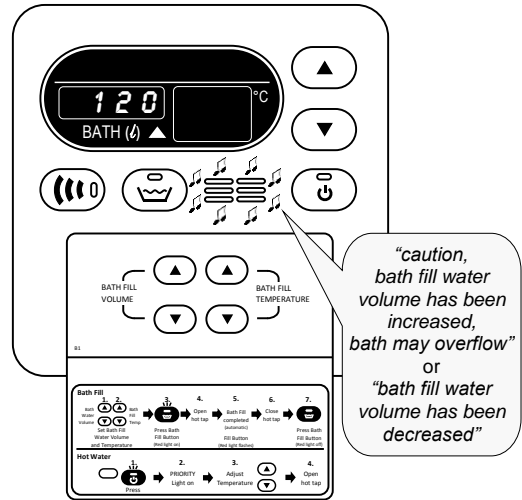
Pressing the BATH FILL VOLUME up (▲) button or BATH FILL VOLUME down (▼) button continuously will scroll the water volume setting.

A maximum volume of 990 litres and a minimum volume of 10 litres can be set. The maximum volume of 990 litres is achieved in 10 litre increments up to 500 litres, then 990 litres is the next setting.

The selected bath fill water volume will be displayed and the bath fill indicator light will glow on all Deluxe controllers.

The bath fill water volume display panel will go blank and the bath fill indicator light will go out 3 seconds after the last press of either of the volume adjustment buttons.

The set volume will be remembered when the bath fill (🛀) button is next pressed “on”.



5. Close the front panel on the Deluxe controller.

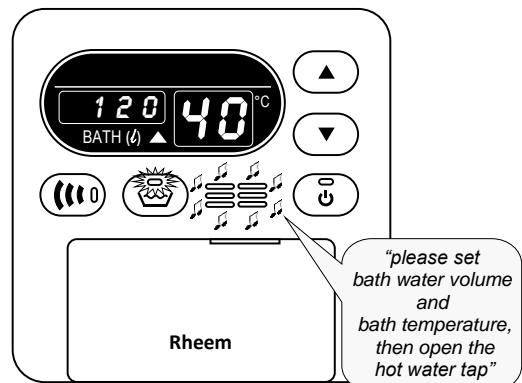
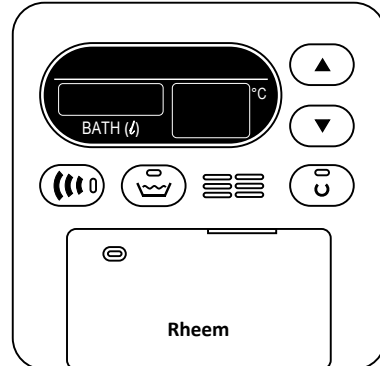
6. Turn on the Bath Fill function

- Press the bath fill (🛀) button.

On all Deluxe controllers:

- The bath fill operating light will glow.
- The bath fill temperature setting will appear on the temperature display panel.
- The bath fill water volume will appear on the bath fill water volume display panel.
- The bath fill indicator light will glow.
- The voice prompt will sound;

“please set bath water volume and bath temperature, then open the hot water tap”



7. Open the hot tap.

The operating light will glow on all Deluxe controllers.

Measurement of the water flow at the water heater will commence when the hot tap is opened.

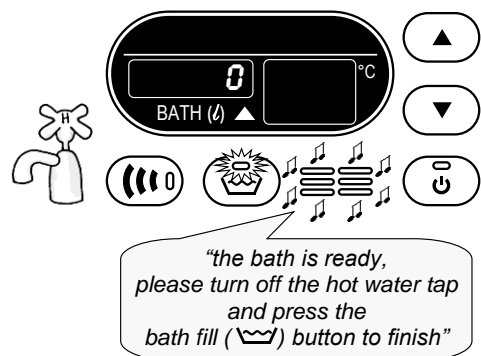
Notes:

- If a second hot tap is opened when the Bath Fill function is turned on, the set bath fill water volume expected from the first hot tap will be reduced by the volume which flows through the second hot tap.
- The bath fill temperature setting and bath fill water volume setting can also be adjusted whilst a hot tap is open and the Bath Fill function is operating.

When the set volume of water has passed through the water heater:

- Water flow from the hot tap will cease.
- The operating light will go out.
- The bath fill water volume display panel will show 0 litres.
- The temperature display will go blank.
- The bath fill operating light will commence to flash.
- The voice prompt will sound;

"the bath is ready, please turn off the hot water tap and press the bath fill (🛀) button to finish"



8. Close the hot tap.

9. Turn off the Bath Fill function

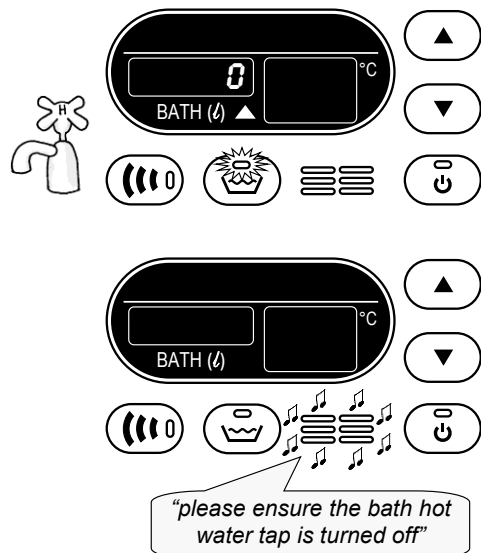
- Press the bath fill (🛀) button.

The bath fill operating light and bath fill indicator light will go out.

The bath fill water volume display will go blank.

Note: If the hot tap has not been turned off, the voice prompt will sound;

"please ensure the bath hot water tap is turned off"



Turning Off Bath Fill Function During Its Operation

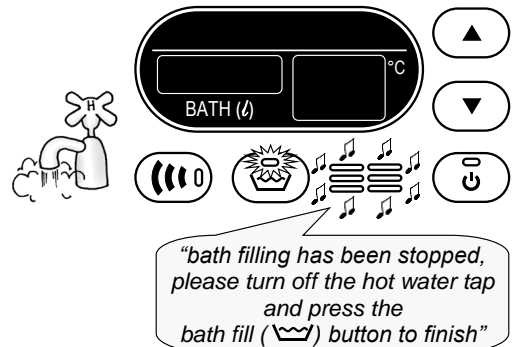
The bath fill operation can be interrupted by pressing the bath fill (🚿) button before completion of the bath fill operation.

If it is necessary to turn off the Bath Fill function before the operation is complete, during [Step 7](#):

- Press the bath fill (🚿) button.

At this first press of the bath fill (🚿) button:

- The operating light will go out.
- The bath fill operating light will flash.
- The voice prompt will sound.
"bath filling has been stopped, please turn off the hot water tap and press the bath fill (🚿) button to finish"
- The bath fill water volume display will go blank.
- The temperature display will go blank.
- The bath fill indicator light will go blank.
- After a few seconds, water flow from the hot tap will cease.
- The bath fill water volume display will then show 0 litres.
- The bath fill indicator light will recommence to glow.



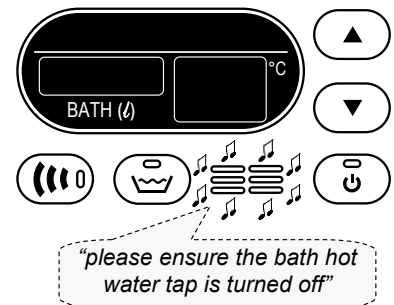
- Close the hot tap.

- Press the bath fill (🚿) button again.











At this second press of the bath fill (🚿) button:

- The bath fill operating light and bath fill indicator light will go out.
- The bath fill water volume display will go blank.
- Note: If the hot tap has not been turned off, the voice prompt will sound.



"please ensure the bath hot water tap is turned off"




Notes on the Bath Fill function:

- The Bath Fill function can be set, turned on and turned off at any of the Deluxe controllers.
- The Deluxe controllers do not require to have priority (PRIORITY light glowing) or be on in order to set the bath fill water volume or bath fill temperature or to turn the bath fill  button on.
- The bath fill  button cannot be turned on whilst a hot tap is open.
- The bath fill water volume and the bath fill temperature settings can be adjusted whilst a hot tap is open.
- If a hot tap is not opened for six hours after the new bath fill water volume and bath fill temperature have been set, whilst the bath fill  button is on, the settings will be automatically cancelled and will reset to the previous settings or to the factory default settings if no previous settings have been set.
- The factory default bath fill water volume setting is 180 litres.
- The factory default bath fill temperature setting is 40°C.
- The Bath Fill function will automatically have priority when the bath fill  button is pressed and the Bath Fill function is turned on. If the PRIORITY light is glowing on a Deluxe controller, it will go out. The PRIORITY light on a Deluxe controller will not glow whenever the BATH Fill operating light is on.
- Whilst water is flowing from a hot tap during the bath fill operation (bath fill operating light is on), a Deluxe controller cannot be turned on or off:
 - if it is on, pressing the on / off  button will not turn it off
 - if it is off, pressing the on / off  button will not turn it on.
- Whilst there is no water flowing from a hot tap and the bath fill operating light is on, a Deluxe controller can be turned on (on / off  button glows), but it will not gain priority (PRIORITY light will not glow).
- Pressing the up () button or down () button above the on / off  button during the bath fill operation (bath fill operating light is on) will not adjust the temperature setting.


Important

- Ensure ~~all hot taps~~ are turned off after a bath fill operation is complete and before pressing the bath fill  button “off”. Otherwise;
 - Water will flow from the hot tap when the bath fill  button is pressed “off”.
The water will be cold if all Deluxe controllers are off, or hot if a Deluxe controller has PRIORITY.
 - The voice prompt will also sound;
“please ensure the bath hot water tap is turned off”.
-


Opening a Second Hot Water Tap During Bath Fill Operation



- The bath fill water volume is measured as the water flows through the water heater. If more than one hot tap is open, the Bath Fill function will measure the total water volume drawn from all taps and the expected water volume from the first tap will be decreased.
 - If the hot water supply should cease unexpectedly, check to see if the bath fill operating light is flashing.
 - If the bath fill operating light is flashing, this indicates the set bath fill water volume has been delivered and the bath fill operation is complete.
 - If further hot water is required for the application:
 - Turn off the hot tap.
 - Press the bath fill  button to turn off the Bath Fill function.
 - Recommence the Bath Fill procedure from Step 3, ensuring the water volume is adjusted to the volume required to complete the application.


Early Completion of Bath Fill Operation


- If the hot tap is closed before the set water volume flows through the water heater and the bath fill  button is left on, the Bath Fill function remains active for six hours.
 - If during this time a hot tap is turned on, the bath fill operation continues until the remaining bath fill water volume is consumed, then


The water flow will cease and the voice prompt will sound;

“the bath is ready, please turn off the hot water tap and press the bath fill  button to finish”


 - Close the hot tap.
 - Press the bath fill  button.
 - To prevent the bath fill operation completing and interrupting the hot water supply, whilst the hot tap is off, then
 - press the bath fill  button twice to turn it off.

The first press of the bath fill  button causes the bath fill operating light to flash and the voice prompt will sound;


“bath filling has been stopped, please turn off the hot water tap and press the bath fill  button to finish”

The second press of the bath fill  button causes the bath fill operating light to go off.

Interrupting Bath Fill Operation

- The bath fill operation can be interrupted by:
 - Pressing the bath fill  button before completion of the bath fill operation.

Refer to [“Turning Off Bath Fill Function During Its Operation”](#).

or by
 - Pressing and holding the on / off  button on any Deluxe controller for three seconds.

This turns off all the Deluxe controllers, including the Bath Fill function. The displays go blank and the lights go out.

A voice prompt will sound;

“bath filling has been stopped”

Hot water flowing from a hot tap will go cold.

 - Turn off the hot tap.

Operation of the Bath Fill function whilst a Deluxe Controller has priority

It is recommended the Bath Fill function be set and operated with the Deluxe controllers turned off (refer to [Step 1](#)).

However, if a Deluxe controller has PRIORITY during the setting and operation of the Bath Fill function, then the following additional events occur:

During Step 3, when the bath fill temperature is being set

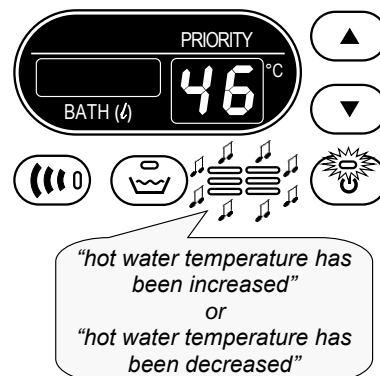
- The temperature setting of the PRIORITY Deluxe controller will display in the temperature display panel three seconds after the BATH FILL TEMPERATURE button is last pressed.

When the Deluxe controller temperature setting is higher than the bath fill temperature setting, the voice prompt will sound;


"hot water temperature has been increased"

When the Deluxe controller temperature setting is lower than the bath fill temperature setting, the voice prompt will sound;

"hot water temperature has been decreased"



During Step 6, when the bath fill () button is pressed to turn the Bath Fill function on

The Bath Fill function has priority when operating. When the bath fill () button is pressed, the Bath Fill function will gain priority and over-ride the settings of all Deluxe controllers if they are on.

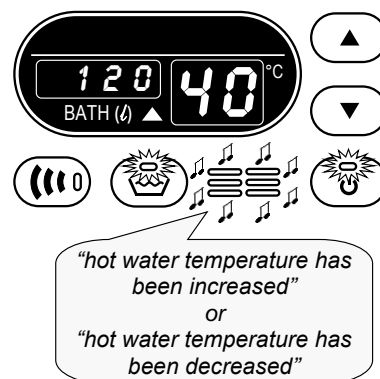
- The PRIORITY light will go out if it is on.
- The bath fill temperature setting will replace the temperature setting in the temperature display panel.


When the bath fill temperature setting is lower than the Deluxe controller temperature setting, the voice prompt will sound;

"hot water temperature has been decreased"

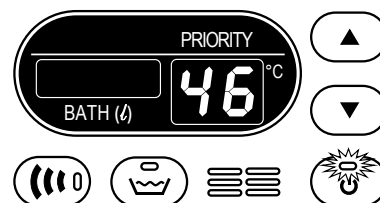
When the bath fill temperature setting is higher than the Deluxe controller temperature setting, the voice prompt will sound;

"hot water temperature has been increased"



During Step 9, when the bath fill () button is pressed to turn the Bath Fill function off

- The PRIORITY light will glow on the Deluxe controller which has priority.
- The temperature setting of the PRIORITY Deluxe controller will display in the temperature display panel.

**Notes**

- If it is a Bathroom Deluxe controller which is in use and it is on, i.e. it has priority and the PRIORITY light is glowing, then it is advised to leave the controller on.
Refer to the [warning](#).
- If it is the Kitchen Deluxe controller which is in use and it is on, i.e. it has priority and the PRIORITY light is glowing, then it is advised to turn the controller off.