Mira Vision Wireless Controller

These instructions must be left with the user

User Guide

mira
SHOWERS

CONTENTS

INTRODUCTION

General

Thank you for purchasing a quality Mira product. To enjoy the full potential of your new product, please take the time to read this guide thoroughly and keep it handy for future reference.

The Mira Vision Wireless Controller is a remote user interface and controls the following functions:

- Showering Water Temperature
- Showering Water Flow
- Maximum Showering Water Temperature
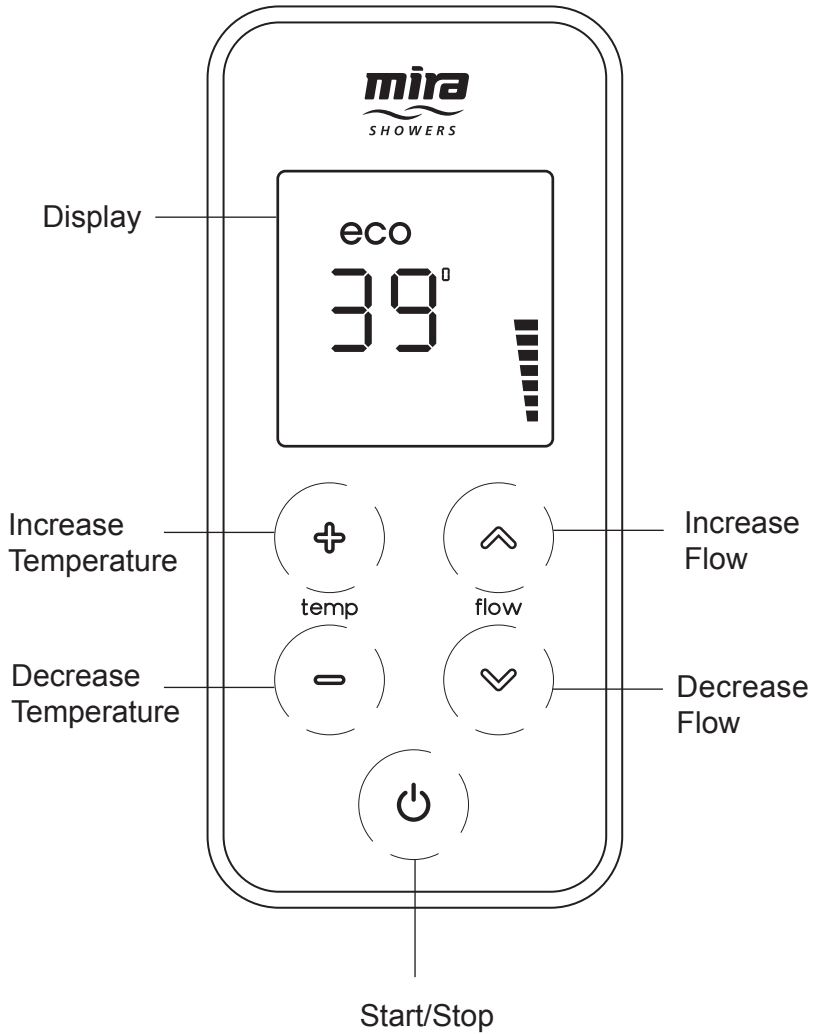- Eco Mode
- Warm-Up Mode
- Clock
- Flow Range

This guide covers the setting and use of these functions and includes a trouble shooting guide should the appliance not function as expected. For issues relating to the installation of the appliance or other associated products, please refer to the relevant Installation Guide(s) or contact our Customer Services Team. (Details in the back of this guide.)

NOTE! ALL FUNCTIONS ARE ONLY AVAILABLE AFTER THE CONTROLLER HAS BEEN ASSIGNED TO A MIRA VISION DIGITAL MIXER VALVE. (See Digital Shower Installation Guide).

SAFETY INFORMATION

1. Make sure that you fully understand how to operate this shower and make sure that it is properly maintained in accordance with the instructions given in this manual.

2. Sunburn or skin conditions can increase your sensitivity to hot water. Make sure that you set the shower to a cooler temperature.

CONTROL LAYOUT

Display

eco

39°

Increase
Temperature

temp

Increase
Flow

flow

Decrease
Temperature

Decrease
Flow

Start/Stop

Low Battery

Economy Flow

eco

39°

Temperature

Control Out
Of Range

Flow Level

12:00

Clock

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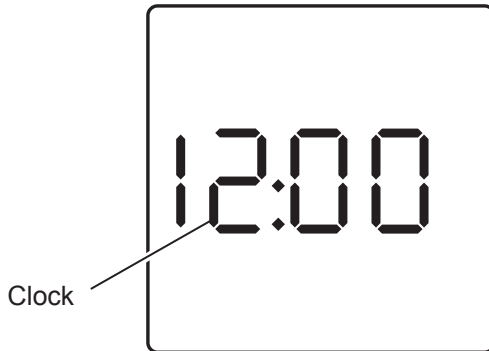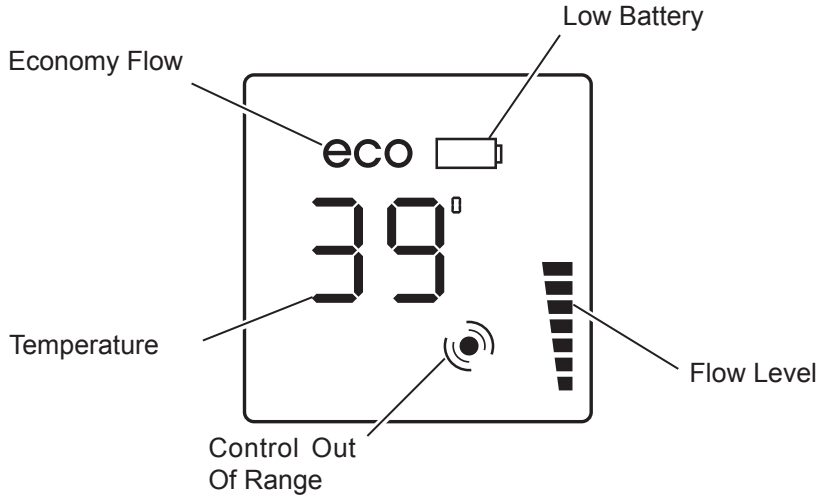
USING THE SHOWER

Switch On/Off

► Press "⏻" to start or stop shower.

Temperature and flow settings will be same as when last used.

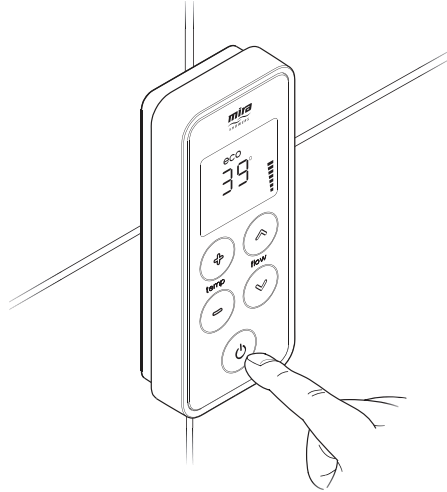After a short period, display will dim to help extend battery life.

Approximately 2 minutes after shower has stopped, display will turn off automatically.

Shower will not run continuously for more than 30 minutes before stopping automatically (5 minutes when **"ECO"** function is set to **"on"**).

When **"Warm-Up"** function is **"on"**, there will be a short delay (5 seconds) before water flows from shower.

Adjust Temperature

▶ While shower is running, press **"⊕"** or **"⊖"** to adjust temperature. Showering temperature appears on display in degrees Celsius (°C).
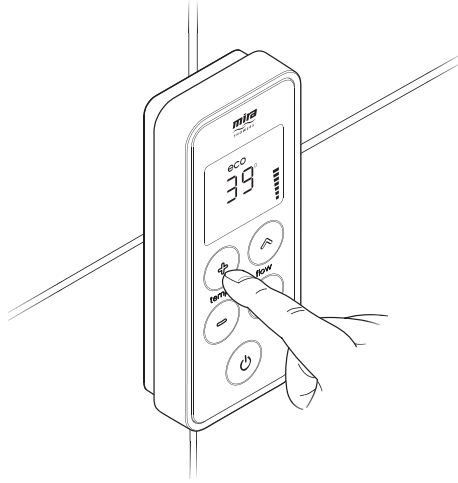
Adjust Flow

▶ Press **"⌃"** or **"⌄"** to adjust flow. Showering flow level appears on display in black segments.

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FUNCTIONS

The following functions can be altered individually to adjust how the shower operates:

F1 - Maximum Showering Water Temperature. This is the temperature the shower cannot go beyond when in use.

F2 - Eco. The shower will stop automatically after 5 minutes. When this setting is **"on",** maximum available showering flow is limited to half the flow normally produced.

"ECO" symbol is displayed. When setting is **"off"**, maximum showering flow will be at full flow unless **Flow Range (F6)** is limiting the water flow. **"ECO"** symbol goes out when more than half flow is selected.
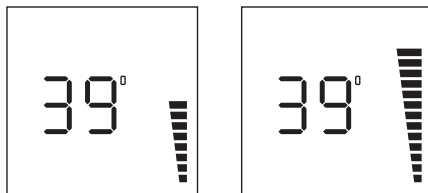
F3 - Warm-Up. When this setting is **"on"** and the shower is started, there is a short delay (5 seconds) before water flows and temperature display will flash to indicate shower is waiting for selected display temperature to be achieved. When shower stops, temperature has been reached and shower is ready for use, press **" ⏻"** as normal. If temperature cannot be found, shower will stop automatically after 5 minutes.
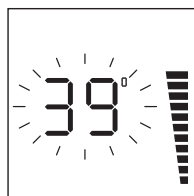
When **"Warm-Up"** setting is **"off"**, temperature display will not flash and shower operates as normal.

Note! When used with some combination boilers, the warm-up function may be impaired. This is due to the functional nature of combination boilers.

F4 - Clock Setting. To set the time.

F5 - Clock Display. When Clock Display is **"on"**, time is displayed when shower has stopped, or after 5 seconds of inactivity whilst the shower is running. When Clock Display is **"off"**, the time is replaced by the showering temperature.
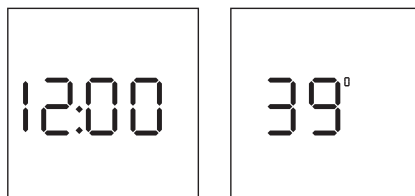
on   **off**

F6 - Flow Range. For use with High Pressure/Combi Valve version only. The water flow rate (showering force) can be adjusted to within a desired range by setting a low point and a high point. During adjustment, the shower will need to be started.
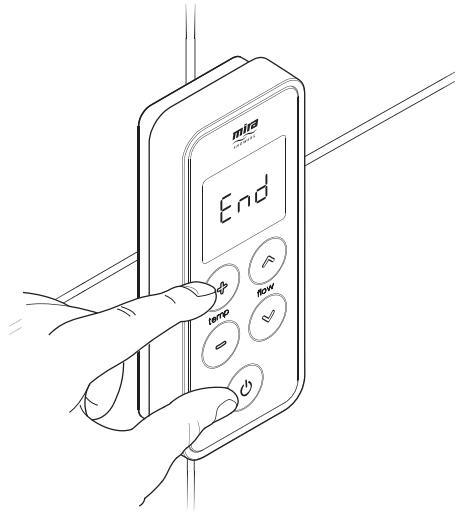
F7 - Control Frequency. An unreliable functioning of the appliance (not always able to change settings of shower) may indicate radio interference by another device transmitting locally on same channel. Changing channel may resolve this problem.
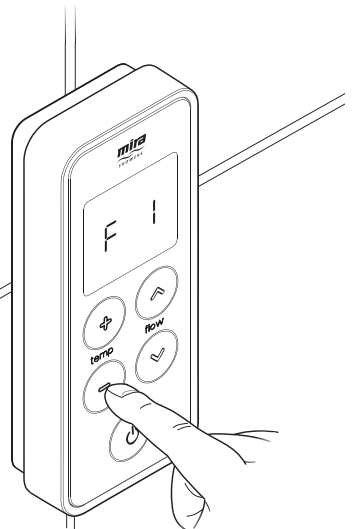
FUNCTION MENU

Enter the Function Menu

▶ Press "⊕" and "⏻" buttons simultaneously until **"End"** appears

▶ Use **"⊕"** or **"⊖"** buttons to cycle through functions and press **"⏻"** to enter setting. (See following sections in this guide for details on each function and how to alter their settings.)
Note! If signal loss occurs during a function change, **"Err"** will appear on display. Press **"⏻"** to clear and retry function change.

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Exit The Function Menu

▶ When finished, use **"⊕"** or **"⊖"** buttons to cycle back through functions until **"End"** appears. Press **"⏻"** to exit.
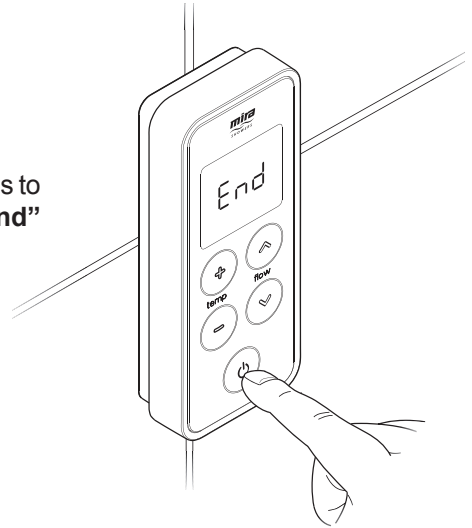
▶ Control is ready to use.

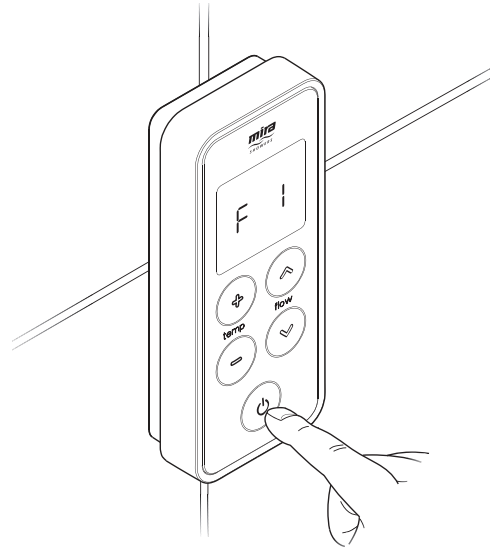▶ If necessary, test shower to see if functions are working as expected.

CHANGING FUNCTIONS/SETTINGS

Maximum Showering Water Temperature

Factory default **"42°C".**

▶ Cycle menu to **"F 1"** and press "⏻"

▶ Press **"✥"** or **"⊖"** to adjust temperature.
  Maximum = 48°C
  Minimum = 35°C
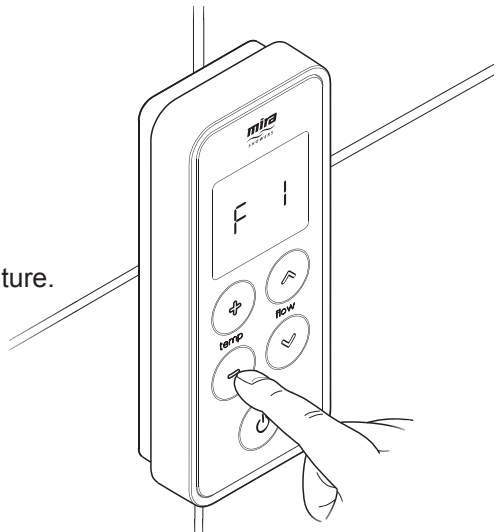
► Press **"⏻"** to set.
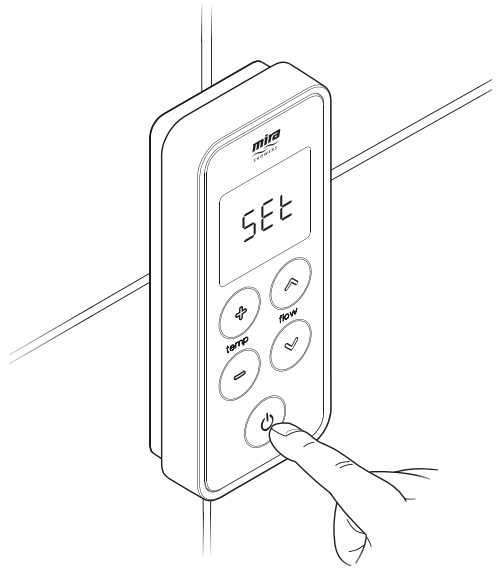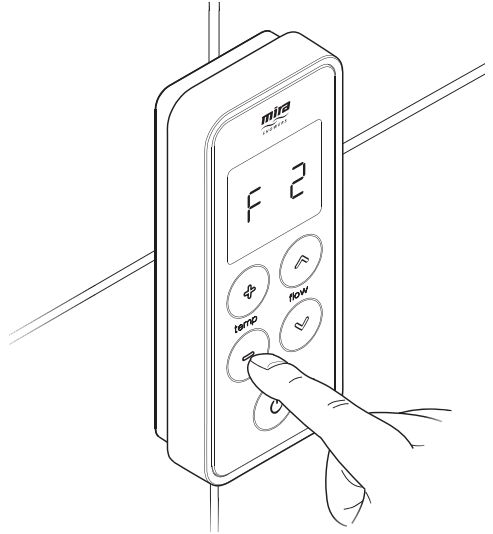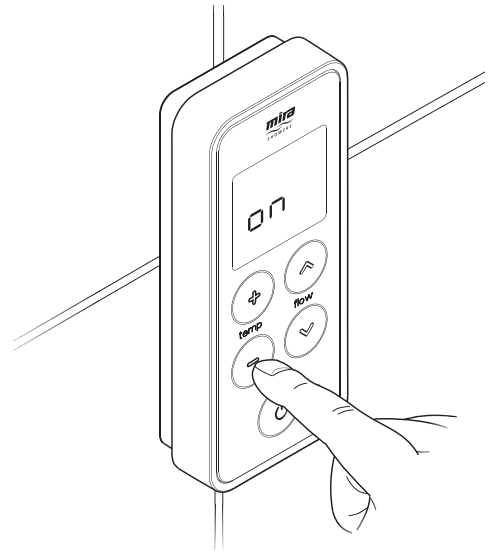
► Press **"⏻"** to exit back to Function Menu. See section **"Exit the Function Menu"**.
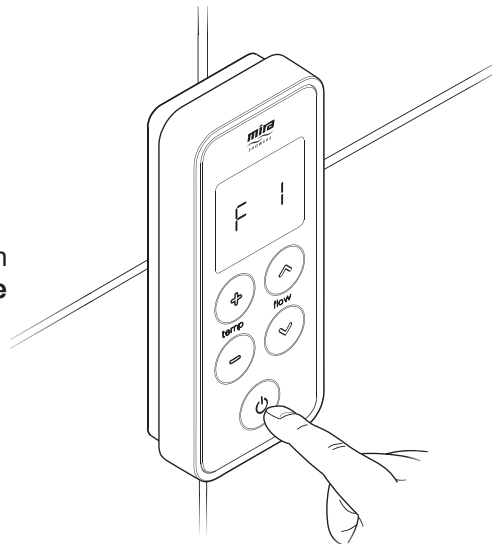
Eco

Factory default "**off**".

▶ Cycle menu to **"F 2"** and press **"⏻"**.

▶ Press **"✛"** or **"⊖"** to change setting **"on"** or **"off"**.

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Press **"⏻"** to set.

Press **"⏻"** to exit back to Function Menu.
See section **"Exit the Function Menu"**.

Warm-Up

Factory default **"off"**.
Note! Function may be impaired with combination boilers.

▶ Cycle menu to "**F 3**" and press **"⏻"**.
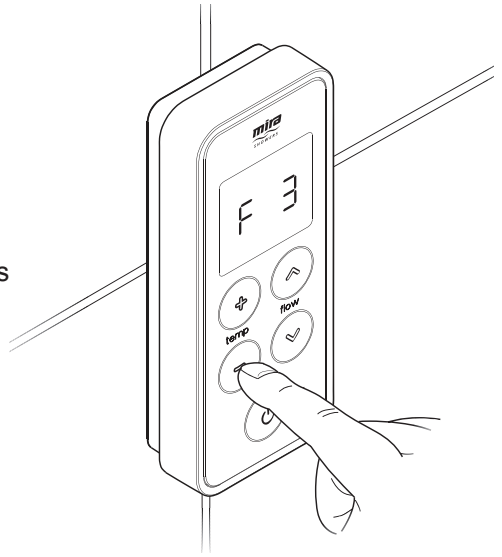
▶ Press **"✛"** or **"⚊"** to change setting to **"on"** or **"off"**.
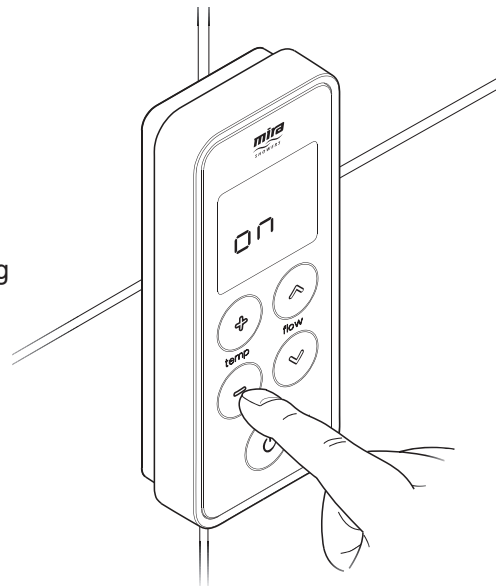
Press **"⏻"** to set.
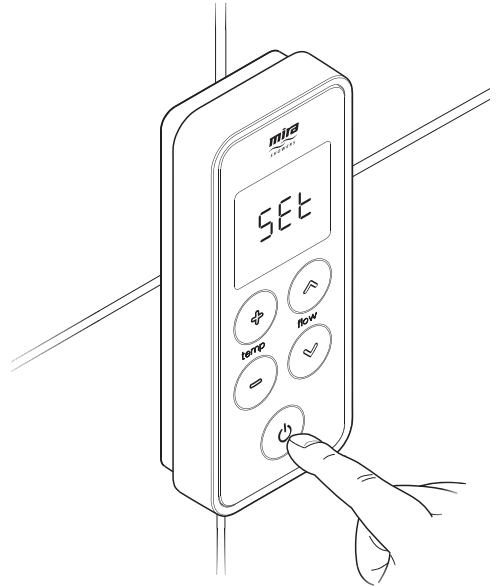
Press **"⏻"** to exit back to Function Menu. See section **"Exit the Function Menu"**.
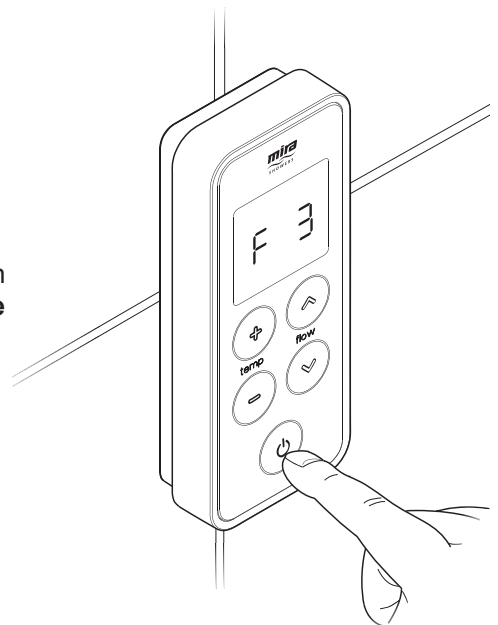
Clock Setting

Factory default **"04:00"** (**"10:00"** once successfully paired to a digital mixer valve and batteries removed / re-inserted)
Note! Can also be activated by disconnecting and reconnecting battery.

► Cycle menu to **"F 4"** and press **"⏻"**.
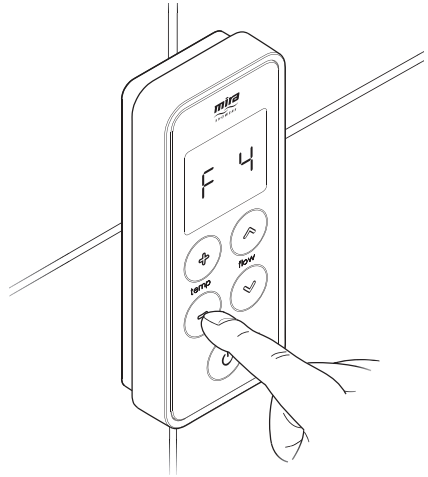
► Press **"✛"** or **"━"** to change hour setting.

► Press **"⌃"** or **"⌄"** to change minute setting.

► Press **"⏻"** to set time and exit back to Function Menu. See section **"Exit the Function Menu"**

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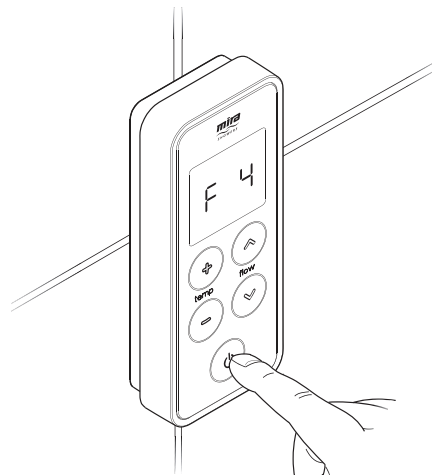
Clock Display

Factory default **"on".**

▶ Cycle menu to **"F 5"** and press **"⏻"**.
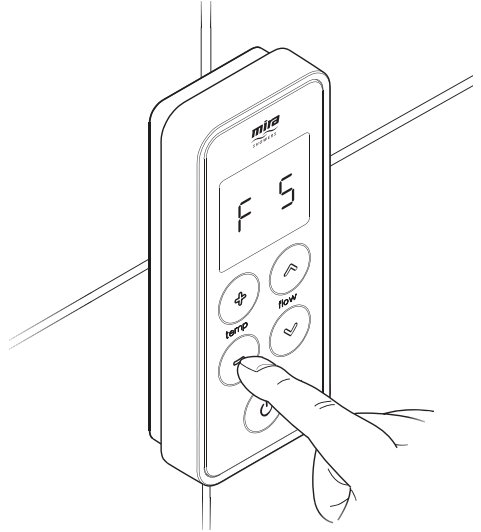
▶ Press **"♽"** or **"⊝"** to change setting
   to **"on"** or **"off".**
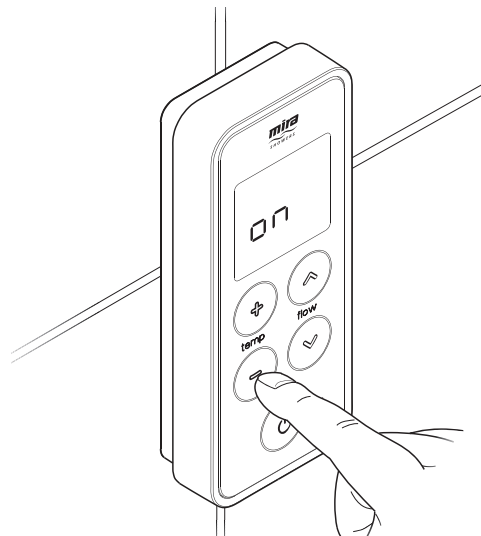
► Press **"⏻"** to set.

► Press **"⏻"** to exit back to Function Menu. See section **"Exit the Function Menu".**

F 5
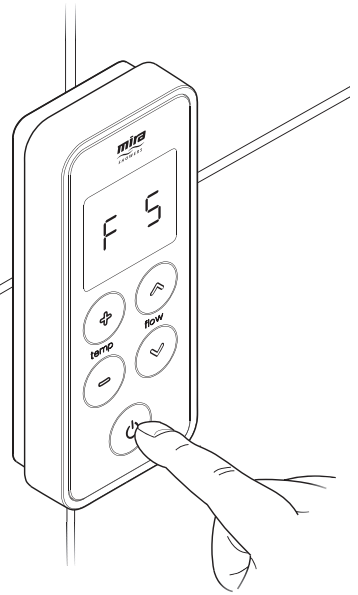
Flow Range

For use with High Pressure / Combi version only.
Factory default **"1 - 99".**

▶ Cycle menu to **"F 6"** and press **"⏻"**.
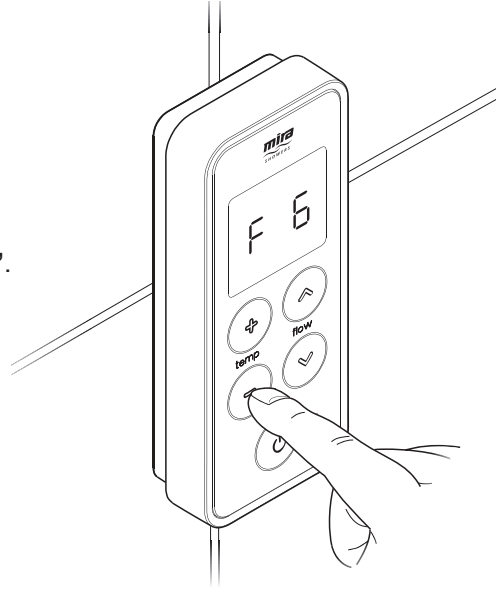
▶ **"on"** is displayed, press **"⏻"** to start the shower.

▶ Press **"⏻"** again to access the flow range limits.
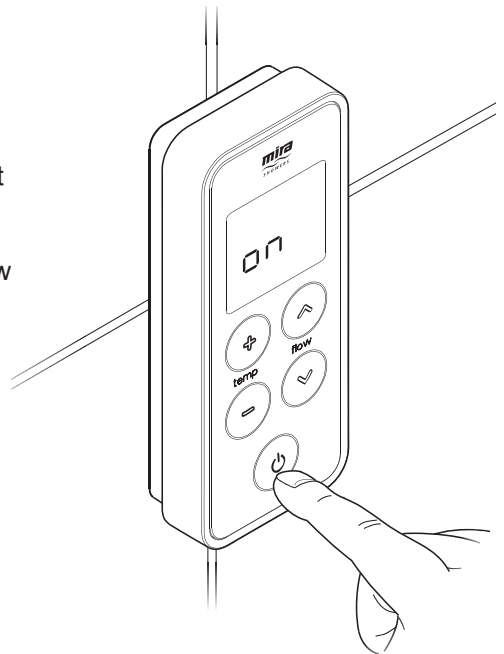
► Water begins to flow and the lower limit is displayed, e.g. **"L 1"**. Adjust flow to desired lower limit 1-99 using **"⌃"** & **"⌄"**.

Note! If hot water is supplied from a combination boiler, make sure the lower limit is sufficient to activate the boiler.
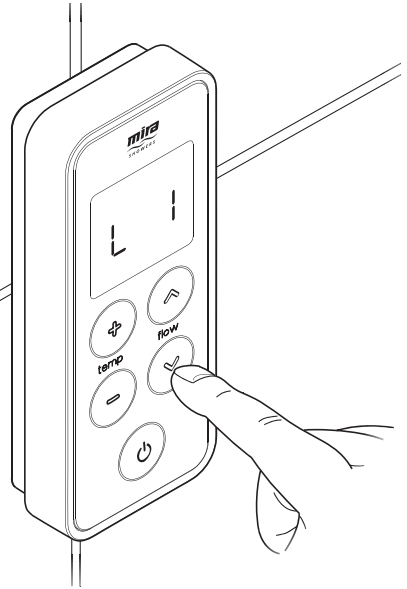
► Press **"⏻"** to set lower limit.

► Water continues to flow and the higher limit is displayed, e.g. **"H 23"**. Adjust flow to desired higher limit 1-99 using **"⌃"** & **"⌄"**.
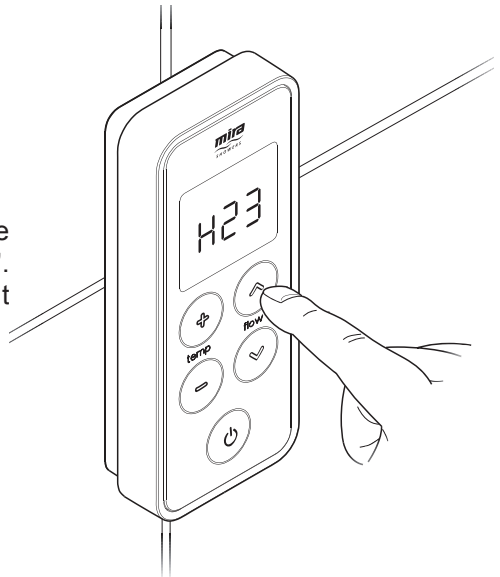
► Press **"⏻"** to set higher limit. Water flow stops.

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▶ Press **"⏻"** to set and exit back to Function Menu. See section **"Exit to Function Menu"**.
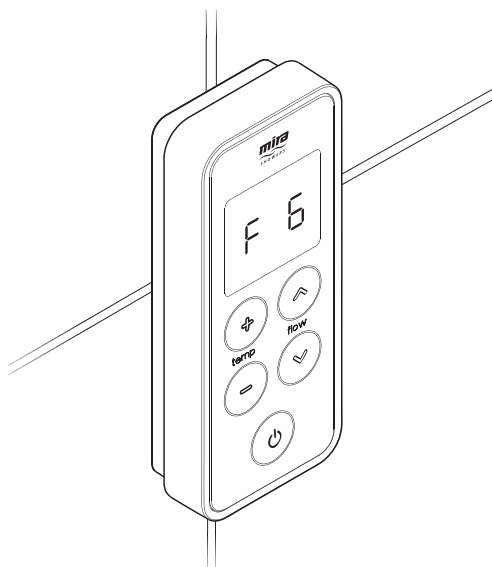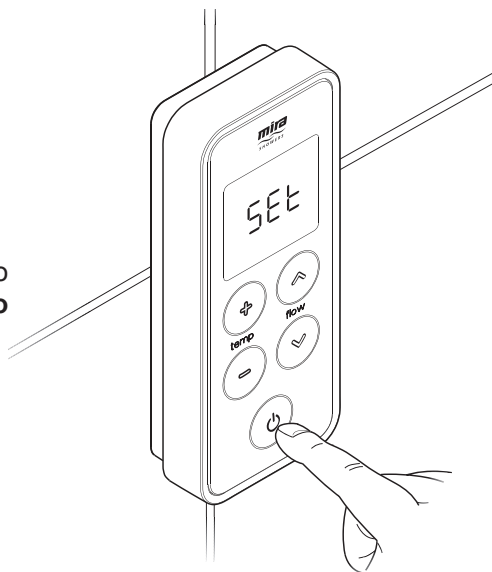
Control Frequency

Factory default **"1"**.

▶ Cycle menu to **"F 7"** and press **"⏻"**

▶
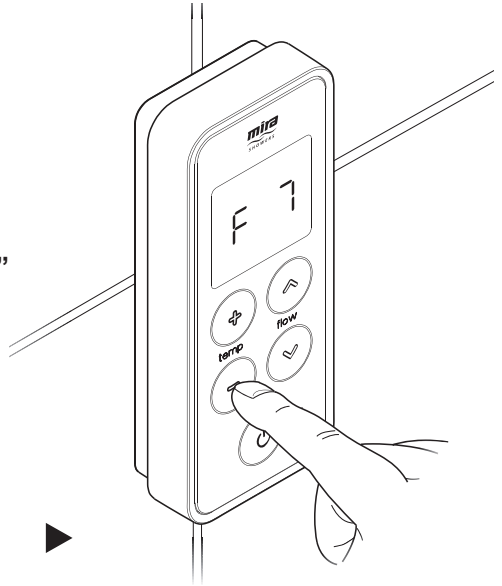
▶ Press **"⊕" or "⊖"** to change channel **"1-7"**.

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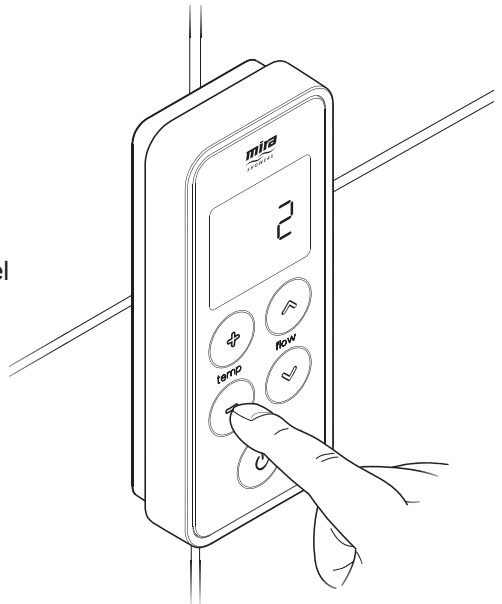
▶ Press **"⏻"** to set.
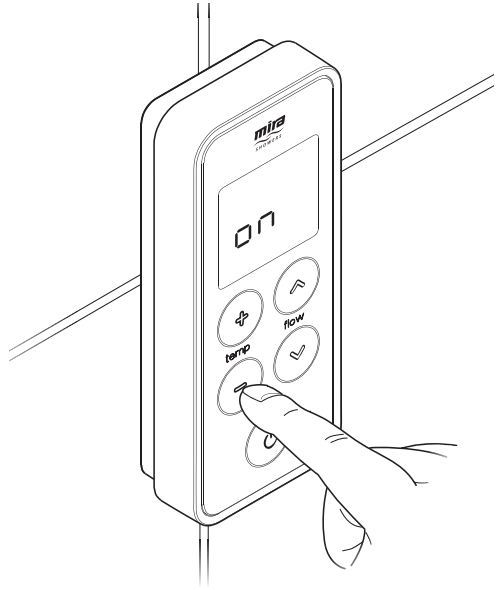
▶ Press **"⏻"** to exit back to Function Menu. See section **"Exit the Function Menu"**.
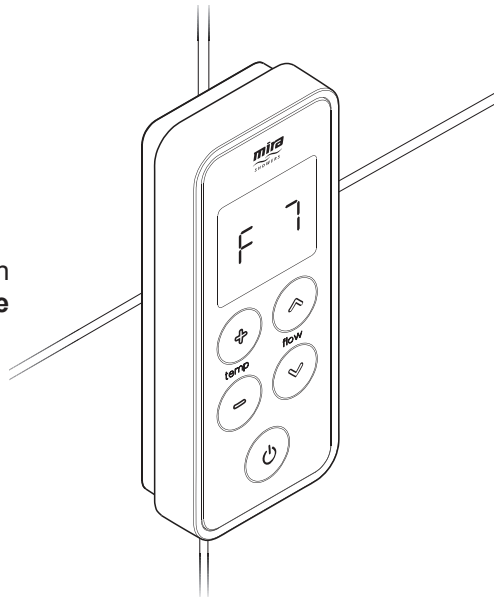
REPLACING THE BATTERIES

Change the batteries when the low battery symbol is displayed.

To access the batteries, the controller must be removed from the wall.

▶ Press button to release and remove the controller from the wall.
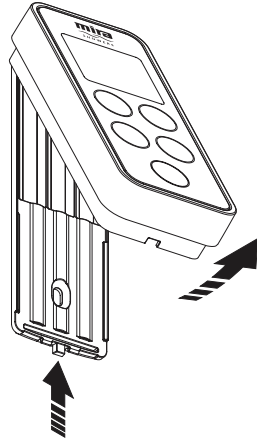
▶ Make sure the controller is dry before removing the battery cover. Turn unit over to remove the battery cover by loosening the 4 screws with a pozi drive screwdriver.
Note! The screws remain attached to the battery lid.
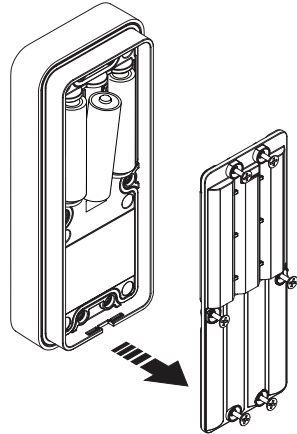
▶ Remove and replace all batteries. Only use batteris of same make and type. Do not use rechargeable batteries.

▶ When refitting the battery cover, make sure the blue seal is clean of dirt and debris. Make sure the cover is secured firmly, but do not overtighten the screws.

▶ Hook controller on top of bracket and push firmly until controller "clicks" back into place.

If necesary, test shower to see if functions are working as expected.

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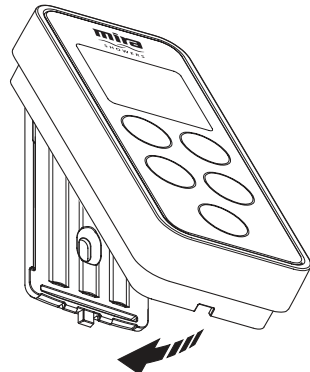
FAULT DIAGNOSIS

Error Codes

A specific problem relating to the electronic function of the shower will result in an error code being displayed on the control.

Er 3

Er 7

Over Temperature at Control Sensor
1. Turn Digital Mixer off for 10 seconds. Turn back on and allow 15 seconds to reset.
2. If shower operation does not return to normal, make sure hot and cold inlets are not reversed.
3. If shower operation does not return to normal, make sure inlet filters and check valve cartridges are clean.
4. If shower operation does not return to normal, check the water supplies to the valve are within the correct temperature and pressure ranges. See **"Mira Vision Installation Guide - Specifications"**.
5. If problem still occurs, make a note of the error code and contact our Customer Services Team.

Er 4

Control Sensor
1. Turn Digital Mixer off for 15 seconds. Turn back on and allow 15 seconds to reset.
2. If shower operation does not return to normal, replace Thermistor. **(To be performed by competent tradesperson only!)**.
3. If problem still occurs, make a note of the error code and contact our Customer Services Team.

E 36

Control Sensor or PCB Relay
1. Turn Digital Mixer off for 15 seconds. Turn back on and allow 15 seconds to reset.
2. If shower operation does not return to normal, replace Thermistor. **(To be performed by competent tradesperson only!)**.
3. If shower operation does not return to normal, replace PCB. **(To be performed by competent tradesperson only!)**.
4. If problem still occurs, make a note of the error code and contact our Customer Services Team.

Digital Mixer Temperature Motor

```
E61
```

1. Turn Digital Mixer off for 15 seconds. Turn back on and allow 15 seconds to reset.
2. If shower operation does not return to normal, check and, if necessary, replace Mixer Valve. **(To be performed by competent tradesperson only!)**.
3. If problem still occurs, make a note of the error code and contact our Customer Services Team.

Error Codes Not Previously Described

```
Er?
```

1. Digital Mixer PCB Error.
2. Turn Digital Mixer off for 15 seconds. Turn back on and allow 15 seconds to reset.
3. If problem still occurs, make a note of the error code and contact our Customer Services Team.

Replace batteries.

Control out of range.

Error During Function Change

```
Err
```
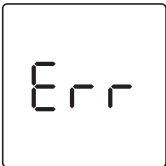
Displayed if there is a signal loss between the Wireless Control Unit and the Digital Mixer whilst a function setting is being altered. Press **"⏻"** to clear the display and retry the function change.

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General Faults

Malfunction	Cause	Remedy
No display.	The batteries are flat or incorrectly fitted.	Check and rectify.
Shower will not operate. + (◉) + (◉)	Water supply isolated. Flat batteries. Electrical supply isolated or fuse blown. No connection to Digital Mixer. Control out of range. Digital Mixer malfunction.	Check water supply. Replace batteries. Check electrical supply. If fuse blown, replace Digital Mixer Valve PCB. Reset and recommission. Refer to Installation Guide Isolate electrical supply and reset after 30 seconds If problem persists, contact our Customer Services Team.
No flow or low flow from Shower Fittings.	Showerhead blocked. Stuck Checkvalve in Showerhead. Hose blocked or twisted. Digital Mixer malfunction. "**L**" and or "**H**" values set too low in Flow Range (F 6).	Check and clean. Check and clear or replace Checkvalve. Check and clean or release twist. Contact our Customer Services Team. Change to higher setting.
Drip from showerhead.	A small amount of water may be retained in showerhead after showering. This may drain over a few minutes.	This is normal. Changing position of showerhead may vary draining time.
Shower not hot enough.	Maximum showering temperature set too low. Digital Mixer fitted incorrectly.	Increase maximum showering temperature (Function F1). Make sure hot and cold water supplies are connected correctly and delivering a constant flow and temperature within the required limits. See "**Specifications**" in the "**Mira Platinum Installation Guide**". If problem persists, contact our Customer Services Team.
Incorrect or fluctuating temperature.	Controller out of range. Radio interference. Warm up feature is being used with combi-boiler.	Refer to "**Fault Diagnosis**" in the "**Digital Mixer Installation Guide**".

Fluctuating or reduced flow.	Filters blocked. Water pressure too low. Flow rate is too low. Fluctuating water temperature.	Refer to "**Fault Diagnosis**" in the "**Digital Mixer Installation Guide**".
Maximum blend temperature too hot or too cold.	Incorrect maximum temperature setting.	Refer to **"Maximum Shower Water Temperature"** in the "**Digital Mixer Installation Guide**".
Continuous flow. Shower will not shut off.	Wireless Controller or Digital Mixer Valve failure.	Isolate power and water supplies. Contact our Customer Services Team.
Shower runs for a short time (30 - 60 seconds) then flow reduces, splutters or stops. Worst when other hot taps are in use. Less evident when shower is on full cold.	Air is being sucked down the vent pipe. (Gravity fed system).	The hot draw off pipe is positioned too high in relation to the lowest water level of the cold water cistern (100 mm min, refer to **"Gravity Fed Showers"** diagram in the "**Digital Mixer Installation Guide**". Consider increasing size of cold feed pipe to cylinder to 28 mm diameter.
	Warm up setting inadvertently selected.	Disable Warm-Up feature. Refer to **'Function Menu' - "Warm-Up"**.
Shower runs for a short time (3 - 5 minutes)	Cistern capacity insufficient (230 litres minimum required).	Increase cistern size.
	Eco setting selected.	Disable Eco feature. Refer to **'Function Menu' - "Eco"**.
Shower runs cool after a short time (1 - 2 minutes) then flow splutters.	Air ingress into hot pipework.	Refer to plumbing system diagrams under **"Installation"** in the "**Digital Mixer Installation Guide**".for correct connection.
Shower runs cold after 5 - 10 minutes.	Insufficient storage of hot water in cylinder.	Increase storage of hot water.

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CLEANING

Many household cleaners contain abrasives and chemical substances, and should not be used for cleaning chrome plated or plastic fittings. These finishes should be cleaned with a mild washing up detergent or soap solution, and then wiped dry using a soft cloth.

DISPOSAL AND RECYCLING

End of Product Life

When the appliance has reached the end of its serviceable life, it should be disposed of in a safe manner and in accordance with current local authority recycling or waste disposal policy.

Batteries

Spent batteries should not be disposed of with your normal household waste. Contact your local authority for information on waste disposal and recycling.

This symbol on the product or its packaging indicates that this product should not be disposed of with your other household waste. Instead, it is your responsibility to dispose of your waste equipment by handing it over to a designated collection point for the recycling of waste electrical and electronic equipment. The separate collection and recycling of your waste equipment at the time of disposal will help to conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment. For more information about where you can drop off your waste equipment for recycling, please contact your local council office, your household waste disposal service or the shop where you purchased the product.

PRODUCT WARRANTY

Thornthwaite Technologies Pty Ltd guarantees the Products ("Product") listed in the Product Schedule and distributed by Thornthwaite Technologies in Australia through an authorized supplier for use in Australia. Thornthwaite Technologies is proud of the quality and workmanship of its Products. These Products have been properly designed, tested and inspected before they were shipped to you. If properly installed and operated in accordance with instructions furnished, they should give optimum reliable performance.

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. If you are a consumer, you are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

The benefits of this warranty are in addition to any rights and remedies imposed by Australian State and Federal legislation that cannot be excluded. Nothing in this warranty is to be interpreted as excluding, restricting or modifying any State or Federal legislation applicable to the supply of goods and services which cannot be excluded, restricted or modified.

WARRANTY STATEMENT

Subject to the "EXCLUSIONS", "PROCEDURE WHEN REQUESTING SERVICE UNDER THE WARRANTY" and "LIMITATIONS" below, each of the Products listed below is warranted in respect of the type of installation and use during the Warranty Period against defects in materials and workmanship.

Thornthwaite Technologies will rectify free of charge for parts, any fault due to a defect in materials or workmanship appearing within the Warranty Period subject to the conditions set out below. This warranty is not transferable to a subsequent customer if the Product is sold by the original purchaser during the Warranty Period.

WARRANTY PERIOD

The Products listed below are warranted for the period stated below from the date of invoice of the original purchase:

Product	Type of Installation	
	Domestic	Commercial
Mira digital shower mixers	2 Years	1 Year
Mira digital shower mixers - if registered online within 3 months of purchase at www.mirashowers.com.au	5 Years	1 Year
Mira showerheads and fittings	1 Year	1 Year

For the purposes of this section, "Commercial" means installation for businesses, commercial operations, public use or access or high use activities. "Domestic" means any private or domestic use that does not fall within the definition of Commercial.

EXCLUSIONS

This warranty will not extend to:

- Shipping or delivery charges to or from Thornthwaite Technologies. Thornthwaite Technologies will not bear the expense of making the warranty claim.
- To the extent permitted by law, at no time will Thornthwaite Technologies be liable for any economic loss consequent upon the failure of the products.
- Reused, recycled or demonstration goods.
- Alleged defects that are within acceptable industry standards.
- Damage to the exterior finishes, or surface scratches.
- Parts which have been affected by fair wear and tear.

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This warranty is void if the Product is:

- Used for purposes other than those for which it was designed.
- Not installed, serviced or modified by a licensed plumber and/or licensed electrician.
- Not installed in accordance with the Product installation instructions, relevant Australian Standards and Regulations.
- Exposed to water pressures and/or temperatures exceeding specifications outlined in the Product installation instructions and AS/NZS 3500. (AS/NZS 3500 nominates the maximum operating pressure at any outlet within a building must not exceed 500 kPa.)
- Damage as a result of inadequate flushing of the pipework prior to use.
- Installed without line strainer/filters for thermostatic mixing valves, digital mixing valves, mixer taps, sensor taps/showers/valves and solenoid valves.
- Repaired without the consent of Thornthwaite Technologies.
- Repaired using unauthorised parts or accessories.
- Not maintained in accordance with the product maintenance and cleaning instructions.
- Damaged by:
  - adhesives, sealants or abrasive cleaners
  - installation or post installation use
  - abnormal conditions, including environment, temperature, water, fire, humidity, pressure, stress or similar
  - the build up of limescale
- Not properly used and maintained in accordance with the Manufacturer's instructions, recommendations and specifications.
- Accidentally or intentionally misused, abused, neglected or improperly installed.

PROCEDURE FOR REQUESTING SERVICE UNDER THE WARRANTY

1. If the Product does not function correctly, check the operation and maintenance advice provided in the product instructions to determine if the problem can be rectified.
2. If there is no immediate solution, contact your installer to ensure that the Product has been installed and commissioned in accordance with the Manufacturer's instructions. If the problem cannot be resolved you may be able to claim under this warranty.
3. To make a claim under warranty, contact Thornthwaite Technologies at the address listed below and provide the following:
   * proof of purchase (e.g. valid tax invoice)
   * details of the Product and where it is installed
   * a detailed description of the problem encountered with the product.
4. Access must be made readily available for Thornthwaite Technologies to inspect and/or test the product; or if requested by Thornthwaite Technologies and subject to the written approval and completion of any relevant forms, you must ship the Product in its original packaging, or equivalent, with shipping charges and insurance prepaid (at your cost), to Thornthwaite Technologies at the address listed below.
5. If no defects are found in the product, at the Thornthwaite Technologies' discretion, the purchaser must pay for the cost of any service, evaluation and testing.

LIMITATIONS

To the extent permitted by law, the Thornthwaite Technologies makes no express warranties or representations other than set out in this warranty.

To the extent permitted by law, the repair or replacement of the unit or part of the unit is the absolute limits of the Thornthwaite Technologies' liability under this express warranty.

CONTACT DETAILS

Thornthwaite Technologies Pty Ltd
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Tel: (02) 9417 4466
Email: info@mirashowers.com.au
Web: www.mirashowers.com.au

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