



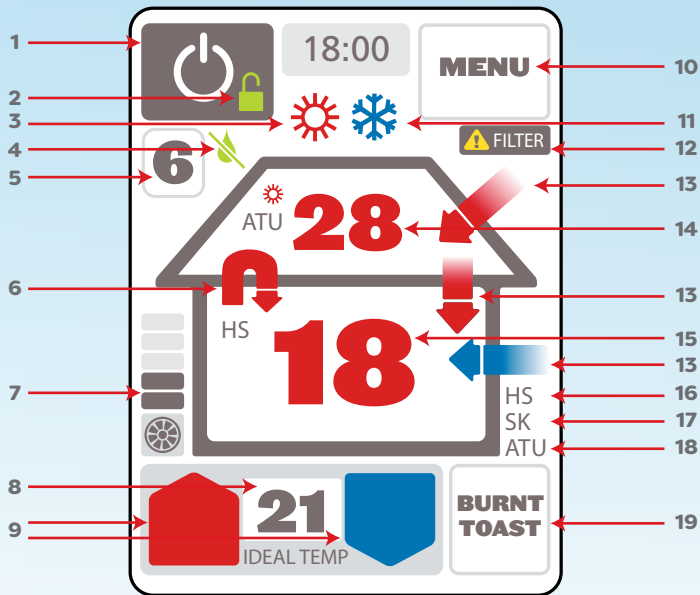
# INSTRUCTION MANUAL



hrv.co.nz  
0800 478 123



Total Home Solutions



# Get to know your Controller

## 1 On/Off button

Turns the system off. Press button once to turn off and once again to turn back on.

## 2 Locking icon

When the keypad locking function is engaged, the lock symbol will show (Press and hold the power button to turn on and again to release the lock).

## 3 Heating icon

When the system is trying to heat the house to set temperature, this symbol will show. The arrows and house temperature numbers will also indicate this state with the colour red.

## 4 Ventilation icon

This symbol will show when the roof space temperature is inadequate to heat your house to the ideal temperature and the system has reduced fan speeds to very low levels to ventilate the house. This is needed to make sure air is still moving through the house and condensation and moisture is controlled. All numbers and arrows will be green at this point.

## 5 Ventilation setting

This shows the level of ventilation for your home. Levels range from 1- 6 (1 being less air and 6 being more air). To set this level accurately in winter, start at 6 and lower the setting until condensation appears, then raise up one level again.

## 6 Heat Exchange symbol

When this symbol is active the system is recovering energy from the house.

## **7 Fan Speed icon**

Shows the speed at which the fan blows air into your house.

## **8 Ideal temperature**

Desired temperature you would like to reach inside your house. Note: Your system will try to achieve this temperature with the heating or cooling that is available in the roof space.

## **9 Up and Down arrow buttons**

Used to adjust the ideal (desired) temperature for the house.

## **10 Menu button**

Gives access to the sub menus.

## **11 Cooling icon**

When the system is trying to cool the house to ideal temperature, this symbol will show. The arrows and house temperature numbers will also indicate this state with the colour blue.

## **12 Filter Replacement icon**

This icon indicates your filter needs to be changed. We recommend you change your filter every 2 years.

## **13 House arrows**

Arrows indicate the direction of air flow into, out of, or around the house. Colour indicates if warm (red), cool (blue) or ventilating at very low level fan speeds (green).

## **14 Roof temperature**

Heating, cooling and ventilation available to the house.

## **15 Room temperature**

Current temperature inside your house.

## **16 Heat Transfer / HRV+ (HS) arrow**

This shows when the Heat Exchanger or Heat Transfer system is on and actively moving air from front to back of house.

## **17 SummerKit**

Accessories add-on product which brings cool air in summer directly from outside (when useful) by passing the roof. When activated, this symbol will show on the keypad.

## **18 Air Tempering Unit icon**

Accessories add-on product which heats (tempers) the air as it goes through the system. When activated, this symbol will show on the keypad.

## **19 Burnt Toast**

Use for:

- Condensation – Clears any extra condensation that may have been trapped behind closed curtains etc, with an extra boost of air into the house.
- Summer time – Heat dump which purges cavity air in the early evening, thereby reducing the temperature of the house and roof cavity earlier.
- Clearing odours and smells.

# Quick Guide

## Getting started



### On/Off button

Press button once to turn off and once again to turn back on.



### IDEAL TEMP button

Gives system guidance to required temperature.

- Adjusts desired temperature up or down.



### Lock Keypad

Hold down for 3 seconds.



### Menu button

Allows access to sub menus and extra functionality.



### Burnt Toast mode

Overrides system, puts fan on 100% speed, pumping more air into the house for one hour.

◀ Menu title here

If you would like to go up vertically through the menu structure at any point in time press the menu button at the top of each screen.

◀ Previous

Next ▶

Use the previous and next buttons at the bottom of each menu page to navigate through the sub menus horizontally. If you would like to go up vertically through the menu structure at any point in time press the menu button at the top of each screen.



If at any time you would like to return to the front main screen press this icon.



If you require further help on a specific feature press the help button at the bottom right of each page.

# Extra functionality

## Sub Menus

Press the menu button on the front screen to enter the sub menus.



Further options are available in these sub menus.

## Menu Options

1. Burnt Toast – these are advanced options for operating Burnt Toast Mode.
2. ATU – when an ATU add-on product is connected to the HRV system, this menu allows access to advanced ATU options.
3. Quick Options – this allows access to three main options – Energy saver mode, turning on / off the Heat Transfer unit and SummerKit.
4. Night Mode - holds set temperature at 18 degrees for 4 hours, cooling the house when the roof cavity temperature is lower than the house interior. After 4 hours it returns the temperature back to its original setting.
5. Ventilation Level – allows ventilation setting adjustment. At different times of the year, more or less air is needed to clear condensation in your house. Your system uses these levels when roof cavity temperature is too cool to heat, but the house still needs air to get rid of condensation. Higher levels will bring more cold air into a house. A balance is needed between condensation clearing and reducing the amount of cold air into the house, dependant on each house. Adjust to suit. Spring, summer, autumn: Lower ventilation levels (1 – 3). Winter: Higher ventilation levels (3 – 6).
6. Clock settings – allows clock adjustment.
7. Display settings – adjust minor screen modifications such as brightness and contrast.
8. Advanced – allows access to advanced user functions and information – see below for further details.
9. About your HRV – displays information about your HRV system model.

## Advanced Kilowatt Hours Used

Found in the advanced sub menu above.

- Displays the estimated amount of energy introduced into the home (kilowatt hours saved).
- Multiply this number by the number of fans in the system.
- Example – 1234 KW used.
- Average kilowatt cost nationally is .22 cents.
- The above would be:  $1234 \times .22 = \$271.48$  (heating and cooling dollars saved). This is based on the life of the system. Number rolls over once it gets past 9999 KW hours and resets to zero.

# FAQ

## **Where can I get more information on my system?**

Our Customer Service Team are more than happy to help – give them a call on **0800 HRV 123 (0800 478 123)**. If you would like information on any of our additional products, please refer to our website.

## **I've had my HRV system for a while – why do I have a black ring around my outlet vent?**

In some houses the air passing out of ceiling outlets will cause a static charge to build up. This can cause household dust inside the room to become attracted to the charge. Simply wipe away the dust ring with a dry cloth, then open the diffuser plate of the vent a little further to help stop this from recurring. If this persists call us to arrange a visit from one of our Customer Service Team.

## **My 'Replace Filter' light is on, what does this mean?**

This icon provides an approximate timeline for your system's Service and Filter Change. We recommend that filters are replaced with a new genuine HRV filter every two years to ensure the performance of your HRV system isn't compromised and you continue to get the best from your system.

## **What do the ventilation levels on my Keypad mean?**

At different times of the year more or less air is needed to clear condensation in your house. Higher levels will bring more cold air into a house. A balance between condensation clearing and reducing the amount of cold air allowed into a house is needed dependant on each house. Adjust to suit: spring, summer and autumn: lower ventilation levels (1 – 3). Winter: higher ventilation levels (3 – 6).

## **My HRV is working great, but I still get condensation occasionally on some windows – why is this?**

Even though your home is now dry, cold or damp weather conditions may still lead to some misty windows – certainly far less than what you would have had without your HRV. No system can guarantee zero condensation but rest assured your HRV is getting you as close as possible.

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