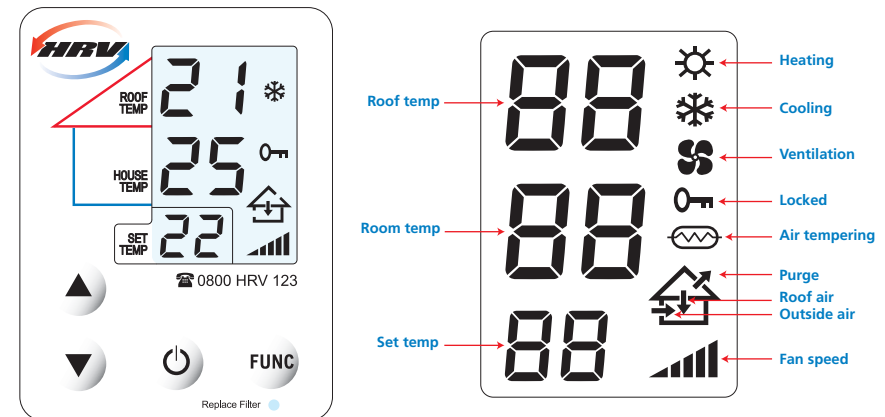




## Instruction Manual Using your HRV

## How it Works



The display consists of three two digit temperature displays, a fan speed indicator and symbols to indicate the mode of operation. The top two digit display is the current roof space temperature and the middle two digit display is the current house temperature. The temperatures are shown in degrees Celsius. If the temperature reading is below  $-9$  then the display will show 'Lo'.

The bottom two digit display is the Set Temperature. This should be adjusted to the desired temperature that you would like to achieve in your home. This can show from 14 to 24 degrees Celsius, or two flashing dashes when in 'burnt toast' mode.

The right side of the display contains the symbols showing the mode of operation. From top to bottom you have, heating, cooling, ventilation, locked, air tempering, house with air flow path and fan speed indicator.

### ▲ Normal Operation

▼ Press the 'Power' button if the unit is not already on. Select the desired temperature by using the 'Up' and 'Down' arrow buttons. This temperature can be set from 14 to 24 degrees Celsius. After selecting the desired temperature, the HRV system will function automatically all year round.

### 🔌 Turning off the HRV System

In the unlikely event that you want to turn the HRV system off, just press the 'Power' button once. The display will turn off. To ensure your house stays fresh and dry, the HRV will automatically power on again in 8 hours.

### ☀️ Heating Symbol Displayed (Heating Mode)

If the House Temperature is cooler than the Set Temperature, and the Roof Temperature is hotter than the House Temperature, then the HRV System will enter Heating Mode and use the warmer air in the roof space to raise the temperature of the house.

### ❄️ Cooling Symbol Displayed (Cooling Mode)

If the House Temperature is warmer than the Set Temperature, and the Roof Temperature is hotter than the House Temperature, then the HRV System will enter Cooling Mode and use the cooler air in the roof space to lower the temperature of the house.

### 🌀 Ventilation Symbol Displayed (Ventilation Mode)

If the House Temperature is at the Set Temperature, or the Roof Temperature cannot be used to adjust the House Temperature, then the HRV system enters Ventilation Mode. This mode will reduce condensation and provide fresh air in the house.

### 📊 Fan Speed Indicator

The Fan Speed Indicator consists of 5 segments which provide a rough indication of the fan speed. The fan is capable of much finer speed adjustments than the 5 steps indicated.

### ▼ Burnt Toast Mode

Burnt Toast Mode forces the HRV to run at full fan speed for 1 hour. To enable Burnt Toast Mode press and hold the 'Down' arrow button for three seconds. Two beeps will be heard and the set temperature will flash '---'. This mode is a boost mode to clear unwanted fumes or to remove condensation that may have been trapped behind a closed curtain.

After 1 hour the system will return to its previous setting automatically. To de-activate, press the 'Up' or 'Down' arrow button once.

### 🔑 Locking the Keypad (non ATU System)

To avoid accidental changing of any settings, the keypad can be locked. Press and hold the 'FUNC' button until the lock symbol is shown (3 sec). To unlock the keypad press and hold the 'FUNC' button until the lock symbol goes out (3 sec).

### 🏠 Air Flow Path

The air flow path has three arrows showing where the air is coming from (roof or outside) and also if the roof space is being purged. Note, purging roof space and outside air are additional options available – contact HRV for more information 1800 HRV 123.



### ▲ Night Mode

▼ Night Mode sets the HRV to 18 degrees for 4 hours, after which it will return to its previous setting automatically. Night Mode is best used in summer before going to bed in the evening. Once set, your HRV System will use the cool air in the roof space to bring the room temperature down, and create air flow in the house to help with a more comfortable night sleep.

▲ To activate press and hold the 'Down' arrow button until you see the set temperature as a flashing '18'. This will occur 3 seconds after the flashing '---' is displayed, so don't release the button until the flashing '18' is seen. To de-activate, press the 'Up' or 'Down' arrow button once.

### 🌀 Filter Gauge

The Filter Gauge is an indicator of how much percentage of use the filter has remaining. To display the filter gauge press the 'FUNC' button twice within a second and then after another second, press it again. 'Fil' will be displayed with a number under it. This number is a percentage of filter use remaining. Over time the number moves towards zero percent and the filter needs to be replaced when it gets close to zero. This will also be indicated by the Replace Filter Light (see below).

🔌 Note: For systems with an ATU, you will need to turn the system off first, by pressing the 'Power' button.

### Replace Filter Light

Replace Filter 🟡 If the Replace Filter Light is flashing, then it's time to replace your filter. Doing this without delay will ensure your HRV System continues to work at its best performance.

### 🔌 Power Failure

During a power failure the unit will retain all settings, including the Set Temperature and the key pads locked state.

### 🌀 Ventilation Mode – Adjusting the Ventilation Level

This setting determines how much air your HRV will deliver when the temperature inside your roof cavity is undesirable – for example, on a cold winter night or hot summer day. For bad condensation problems a higher setting can be selected. A higher setting will reduce condensation but may also reduce the temperature during cooler times of the year.

🔌 To change this setting, first turn the system off by pressing the power button. Next, press and hold the 'Down' arrow button until the display is lit (3 sec) – the display will now show '01' beside the 'Roof Temp' and another number beside the 'House Temp'. Press the 'Power' button to change the setting. The setting can be a number from '1' through to '6'.

▼ To exit settings mode press the 'FUNC' button when the setting has been made. Settings mode will exit in 2 minutes, if no key is pressed.

### 🏠 ATU control (ATU system) – Optional

The Air Tempering Unit can run in two modes (Air tempering mode or thermostat mode). Air Temper mode uses a lot less power and only turns on the heater to help reduce condensation. Thermostat mode turns on the heater whenever the HRV system needs to heat.

To enable air tempering mode, briefly press the 'FUNC' button once. The ATU symbol will be displayed. To disable the air tempering mode briefly press the 'FUNC' button again. The ATU symbol will go off.

🌀 To enable thermostat mode, press and hold the 'FUNC' button for 3 seconds, until the ATU symbol flashes. To disable the thermostat mode, briefly press the 'FUNC' button.

🏠 The ATU symbol will go off.

## Seasonal Suggestions for Ventilation level

*Whilst your ventilation level is a personal preference and makes the HRV adaptable to any home, it is suggested that you lower the ventilation level to 1 during the summer months and increase it during winter to above 3. Having it above 3 in winter will ensure any condensation is minimised.*

### ***My HRV was installed a couple of days ago, and it seems to be working, but my windows are still fogging up. What's wrong?***

*There's nothing wrong, your HRV is doing its job perfectly! While you should notice an improvement the very next day, best results are obtained a few weeks down the track, after your HRV has had time to dry out walls, flooring, bedding and so on.*

### ***It's working great, but I still get a mist occasionally on some windows – why is this?***

*Even though your home is now dry, especially cold or damp weather conditions may still lead to some misty windows – certainly far less than what you would have had without the HRV. Having a party or cooking a big meal will also cause a bit of extra moisture, but your HRV will set to clearing this out over the next day. No system can guarantee zero condensation, but rest assured your HRV is getting you as close as is possible!*

#### ***Things you can do to help are:***

- ***Leave heavy blinds and drapes slightly ajar***
- ***Use burnt toast mode to boost the system in the mornings or early evening***
- ***Select a more appropriate (more aggressive) ventilation level***
- ***Make sure the outlets are open wide***

### ***Why does my house feel cooler on winter mornings, and/or warmer on summer days?***

*The system's ventilation setting is too aggressive. In winter, this will help to achieve maximum condensation control, but having this too high may make your home a little cooler in the morning. In summer, this same setting may make the home a little warmer during the day. You can adjust this setting and find a comfortable median using the instructions on the inside spread of this leaflet.*

### ***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 the outlets across the ceiling will cause a static charge to build up. This can cause a build up of household dust from inside the room attracted by the static charge. Simply wipe away the dust ring with a dry cloth, then turn the diffuser plate of the vent open a little further to help stop this from recurring.*