

User Instruction Manual

Ventilation is good for you... pass it on

A smiling man with a shaved head, wearing a dark long-sleeved shirt, is shown from the chest up. He has his hands held out in front of him, palms up, in a gesture of offering or presenting. The background is plain white.

ventis

HOME VENTILATION

Thank you for choosing a Ventis Home Ventilation System!

Congratulations on purchasing a Ventis home ventilation system.

Your Ventis system will provide you with many years of improved personal and home health whilst harvesting the free energy that is available in your roof space to reduce your energy consumption.

We at Ventis are very proud of our system and we know that you will enjoy the many benefits it will provide well into the future.

Our systems have the highest airflow, and use the most energy efficient fan motor available in today's market. Ventis has the most robust electronic control system and the highest level of filtration to ensure you can breathe easy all year round knowing that your Ventis is the most advanced and benefit rich product in the Ventilation market.

With the Ventis infinitely variable fan motor your Ventis will renew the air in your home as often as possible without compromising your comfort. It does this by using the warmer, cooler, or the same air temperature, extracted from your roof space based on a desired temperature that you have requested. By introducing this air into your home your Ventis will drive out moisture, odours, dust, pollen, and vehicle pollution whilst contributing to your heating and cooling needs.

After all a drier home is not only a healthier home, it needs less energy to make it comfortable.

Your Ventis will constantly strive to achieve the temperature you have requested. This means that in winter, whenever the roof cavity is warmed by the sun's energy, the heating symbol will come on and your Ventis will introduce this freely heated air and circulate it throughout your entire home. On hot summer nights, the Ventis system will draw in the cool air to provide cooling and help you get a good night's sleep.

If, after reading this User Manual, you are unsure of anything please give us a call and one of our staff members will be happy to help. You can call us at any time on 1 800 80 20 80.

The Team at Ventis.

Introduction

Your Ventis is smart enough to be fully functional whilst fully automatic. When the install team leave your house it will be operating in the default factory settings and activated in "Auto" mode.

We believe that the settings the Ventis has left the factory with is the most suitable for most applications however we understand that every home can be different and that personal preferences often determine what is most comfortable, and for this reason the Ventis has the ability to be adjusted. This manual explains how to make these adjustments if you need to.

To make any changes in the settings first wake up the control panel by pushing any button. The controller will light up to its brightest setting when it is activated.

"Auto" Mode means the Ventis is **On** and will operate **Automatically**.

"On" Mode is a manual override setting and means the Ventis is operating at 100% fan speed regardless of your setting and roof space temperature. The Ventis will remain On until another mode is selected.

"Off" mode is also a manual override setting and means the Ventis is off regardless of your setting and roof space temperature. The Ventis will remain Off until another mode is selected.

Each of these modes can be accessed by pressing the Override button to toggle through each option. The Ventis will scroll through Auto – On – Off.

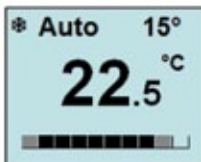
The operating philosophy of Ventis is simple, "to introduce as much clean, dry and filtered air as possible into your home whilst contributing to your comfort".

In winter this means using the naturally available warm air from your roof space through the day and in summer using the cool air from your roof space at night.

The screen will be displayed as the example illustrates with the number of bars on the screen indicating how fast the fan is operating.

The screens back light will turn off when the fan has stopped altogether.

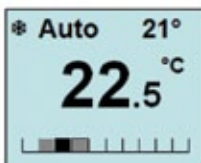
Fan Status Display



Fan speed is displayed via a scrolling bar-graph.

The length of the scrolling segment is proportional to the fan speed.

The segments always scroll at the same speed.



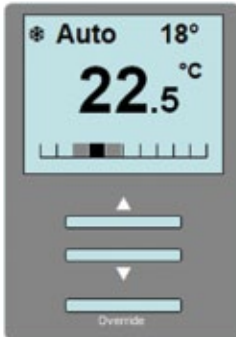
Slowest fan speed is indicated by only two segments illuminated.

Fastest fan speed (100%) indicated by all but two segments illuminated.

Auto Mode

In Auto mode the fan will speed up, slow down and turn itself off all together if your roof space becomes of an undesirable temperature. How fast the fan operates depends on how close the roof space temperature is to your pre-set desired temperature in combination with the settings that can be chosen.

Default Display (Auto Mode)



Default display when in Auto mode:

- Fan speed on scrolling bar graph

Room temperature:

- Large digits with °C

Fan control modes:

- Off, Auto or On
- Possible Heating or Cooling symbol depending on if Ventis is heating or cooling

Roof space temperature

- Small digits with °C

UP/DOWN

- Press either to enter setpoint adjust

OVERRIDE

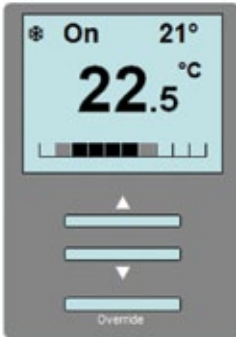
- Press to toggle fan modes i.e: Auto » On » OFF

Within Auto Mode there are **four** options that can be selected to determine how aggressively your Ventis will circulate air and within what temperature parameters it will introduce the air from your roof space. These changes in the settings are called "Adjusting the Circulation Level" and are explained in detail within this Customer Instruction Manual.

On Mode

“On” Mode is a manual override setting and means the Ventis is operating at 100% fan speed regardless of your setting and roof space temperature. The Ventis will remain On until another mode is selected.

Fan Status Display (On Mode)



Default display when On:

- Fan speed operating at allowed maximum speed
- Max speed may shift if heating or cooling

Room temperature:

- Large digits with °C

Ceiling temperatures display:

- Small digits with °C

Possible Heating or Cooling symbol

UP/DOWN

- Press either to enter setpoint adjust

OVERRIDE

- Press to toggle fan modes i.e: Auto » On » OFF

“On” mode is particularly useful when wanting to flush your home and replace the existing air in a hurry. It can be used in many applications from burning the toast through to steam cleaning your carpets. The increased air flow will speed up the process of drying or odour reduction.

Off Mode

"Off" mode is also a manual override setting and means the Ventis is off regardless of your setting and roof space temperature. The Ventis will remain Off until another mode is selected.

Default Display (Off Mode)



Default display when OFF:

- Fan speed is forced off

Room temperature:

- Large digits with °C

Ceiling temperatures display:

- Small digits with °C

UP/DOWN

- Press either to enter setpoint adjust

OVERRIDE

- Press to toggle fan modes i.e: Auto » On » OFF

Adjusting the Set Point (SP)

The “set point” or “SP” is the temperature you select as your ideal temperature. It is what you want your home to be.

To change the set point, first wake up the control panel by pushing any button. The controller will light up to its brightest setting when it is activated.

By pushing either the “up” or “down” arrows will access the Set Point menu. The screen below will appear and then use the arrows again to select your desired temperature. This is the temperature that will determine the Ventis operation whilst in “Auto” mode in combination with the selected settings.

User Setpoint Adjustment



Setpoint temperature:

- Large digits with °C
- Arrow appears to indicate setpoint

Fan and Heating/Cooling status will also be displayed

UP/DOWN

- Press increase/decrease setpoint

OVERRIDE

- Advance to Heat/Cool Setting mode

Returns to normal display after 5 sec

After you have chosen your desired temperature just leave the key pad for five (5) seconds and the Control panel will return to the main screen as demonstrated in “Auto” mode. The panel will be displayed with a dimly lit screen, indicating the panel has gone to sleep.

Pushing any button will wake up the Controller for future adjustments.

Adjusting the Heating / Cooling / Heating + Cooling Mode

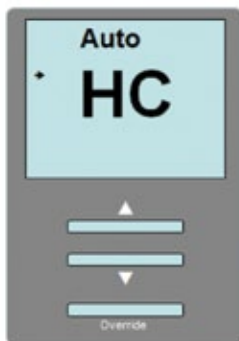
This function allows you to disable the system from either Heating or Cooling your home.

Because the Ventis is always striving to achieve your "Set Point" it is advised that you rarely need to disable either of the Heating or Cooling functions.

To access the Heating and Cooling mode, first activate the screen by pushing the any button. Once the control panel is "awake" (the screen has lit up) push the up or down arrow to move into the "Set Point" menu. Once you have "SP" on your screen you simply push the "Override" button to move into the "Heating and Cooling" menu.

When the screen below is displayed you are in the Heating and Cooling setting menu. When in this menu by using the "Up" and "Down" arrows you are able to select "H" for heating only, "C" for cooling only and "HC" for both heating and cooling.

User Mode Change



Enable Heating and Cooling modes
* Arrow appears to indicate setting

UP/DOWN

* Press to cycle between
H→ C→HC→H etc

H: Auto heating only

C: Auto cooling only

HC: Both auto heating and cooling

OVERRIDE

* Advance to Circulation level setting display

Returns to normal display after 5 sec

**The only time it is advisable to make any changes in this Menu is if your home is remaining too hot in summer. By selecting "C" or cooling only, your Ventis system will never introduce any air into your home that is warmer than your homes current temperature irrespective of your roof space temperature. If you have any questions regarding this adjustment please call the Ventis office on 1 800 80 20 80 and one of our staff will be happy to help.

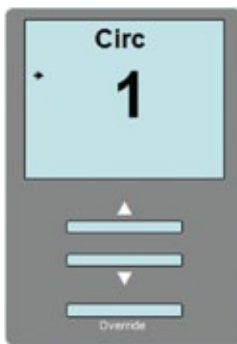
Adjusting the Circulation Level

The Circulation (Circ) Level determines how aggressively your Ventis will introduce air into the home that is more desirable than what you currently have but has not yet reached your Set Point (SP) temperature.

To access the "Circulation Level" menu, first activate the screen by pushing any button. Once the control panel is "awake" (the screen has lit up) push the up or down arrow to move into the "Set Point" menu. Once you have "SP" on your screen you simply push the "Override" to scroll through to the "Circulation" level menu.

When the "Circ" screen, as shown below is displayed you can then use the "Up" and "Down" arrows to select your desired circulation setting.

User Circ Change



Set the level of air circulation

- Arrow appears to indicate setting

UP/DOWN

- Press to cycle between 0↔1↔2↔3 etc

• Circulation Levels:

- 0: Eco mode displays "Circ Eco", "-"
- 1: Normal mode
- 2: Increased circulation
- 3: Condensation control mode

OVERRIDE

- Returns to normal display

Returns to normal display after 5 sec

Current fan status will also be displayed

Circulation Levels explained:

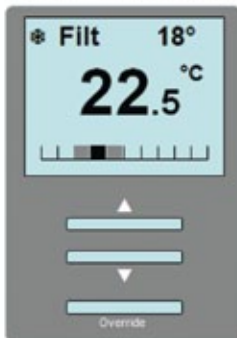
- 0 = Eco Mode - the Ventis will only operate when the roof space is able to introduce air that is more desirable than your Set Point (SP).
- 1 = Minimal air is introduced when the roof space temperature is more desirable than your current temperature, but the roof space temperature has not yet reached your Set Point (SP)
- 2 = the fan will start to operate as soon as the roof cavity becomes more desirable than your house temperature ramping up aggressively as the roof cavity gets closer to the SP. The fan operates at 100% once the roof temperature exceeds your SP.
- 3 = Condensation Control Mode. The fan will continue to operate at its minimum speed irrespective of the roof temperature.

**Circulation level 3 is desirable for homes suffering from Condensation and Mould growth. Once the home has dried out and the mould source has been remedied then it is advised to set your Ventis to Circulation level 1 or 2 to maintain the best results and contribute to your homes Heating and Cooling requirements.

Changing your Filter

The Filter Reminder will alert you of the need to replace their filter between 6 and 24 months depending on usage and the settings that have been chosen. The filter counter integrates both elapsed time and fan run time.

Filter Due Display



When filter replacement initially due the unite will blink the word "Filt" for one second every 6 seconds. The remainder of the display is unchanged.

If the filter is not replace warning message will eventually escalate to one second every 3 seconds and the remainder the of the display will go blank.

Screen Brightness

Backlight Operation



The Backlight has 3 intensities:

- Off (Fan is off)
- Dim (Fan is on)
- Bright (Reset key or fault)

When a key is pressed the display will switch to bright 10 seconds.

The back light will remain on bright when a fault is displayed.

When the fan changes mode the display will switch to bright for 10 seconds.

Fault Display



If there is an unrecoverable error then the following may be displayed:

- 10: Calibration Failure
- 14: Ceiling sensor disconnected
- 15: Ceiling sensor shorted
- 21: Internal reference defect
- 22: Internal temp sensor defect

Back light will remain on.

To attempt to recover from fault press the Override Button.

**If pressing the "Override" does not remove the Error message, please call Ventis on 1800 80 20 80 and we will send one of our Technicians to fix the problem.

Auto Whirly (Optional Accessory)

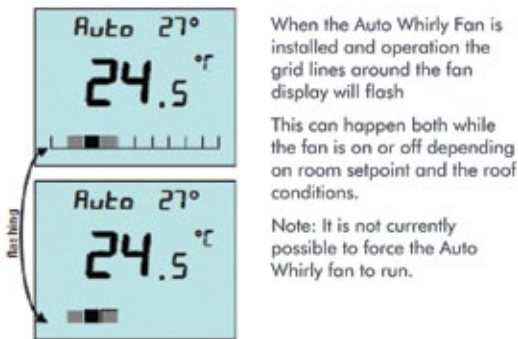
The Auto Whirly is an optional accessory and can be added to your Ventis at any time.

The Auto Whirly is designed to extract the hot air from your roof space on a hot summers day and draw in the cool air from outside when the sun goes down to accelerate the cooling capabilities of the Ventis at night.

When an Auto Whirly is fitted, it is activated and wired up to your controller by the Ventis Install team, so there is nothing on the control panel that you need to worry about to get it operational. It is fully automatic and will only operate when the roof cavity is too warm to provide any cooling benefit.

Your Auto Whirly is working when the scrolling bar across the bottom has the end bars "Flashing."

You will see it in operation through the warm summer months however you will not see it operating at all through the winter when we want to save the warm air and provide that to help with your heating requirements.



Summary

Thank you for taking some time to further understand your new Ventis home ventilation system.

After many years' experience within the Ventilation industry across Australasia we are proud to have developed the first system that can truly be tailored to any environment across this great and diverse country of Australia.

The default settings you have been supplied are the ones we are confident are best for the environmental conditions in the region you have chosen to live, but we cannot accurately assess each and every personal preference.

Beyond the settings and adjustments we have made available to you, there is a sub-menu of options that can be altered if, for some reason, you have a unique situation or you feel the Ventis is intruding on the comfort of your home. Accessing this Menu requires a member of the Ventis customer service team. We wish you well with your Ventis for the years to come and we are only ever a phone call away if you require any assistance.

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HOME VENTILATION

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