



# Home Vent

## User Manual



*To ensure correct installation and safe use, read this manual thoroughly before installing or operating. Keep the manual in a handy location for future use.*

## How it works

HomeVent is a home ventilation system that brings fresh, filtered air into your house. It helps remove damp, stale air and reduces condensation and mould.

The system runs quietly in the background and is designed to be **set and forget**.

Fresh air is drawn in from your roof space and gently circulated through your home.

This creates a small positive pressure that pushes moist, stale air out.

During very cold or very hot conditions, the system slows down to maintain comfort.

The system runs continuously at a medium speed for best results.

Model	<b>SC-ECFans</b>
Electrical Power Supply	<b>230V 50Hz</b>
Relay Board Fuse (In Control Box)	<b>5A (Glass Fuse)</b>
IP Rating	<b>IP20</b>
Compliance	<b>AS/NZ 60335.2.80:2016 + A1 in conjunction with AS/NZS 60335.1:2020</b>

## Touch Screen Wall Controller Operation

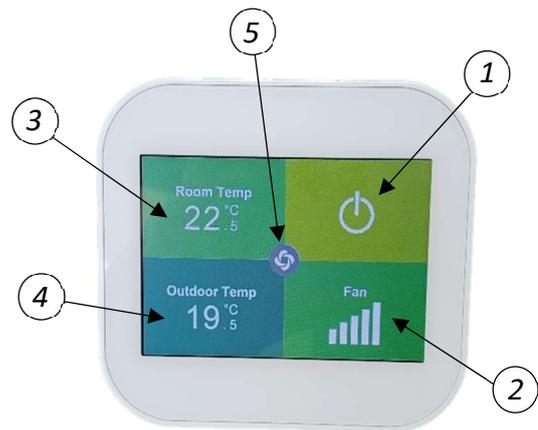
The touch screen controller allows you to:

Turn the system ON or OFF ①

Adjust the fan speed ②

View indoor and outdoor temperatures ③ & ④

Adjust user settings and screen brightness ⑤



Most users will only need the ON/OFF and fan speed controls.

FUNCTION	DESCRIPTION / PROGRAMMING
<p><b>ON/OFF</b></p>	<p>Press  on home screen to switch the controller ON or OFF.</p> <p><b>Important:</b> If the system is turned OFF for too long, it will automatically turn itself back ON to help prevent moisture build-up. This is normal and protects your home.</p> <p>Default OFF time can be adjusted in Settings Menu / Auto Activate.</p>
<p><b>Fan Speed Control</b></p>	<p>HomeVent has <b>5 fan speed levels</b>. Press the <b>fan speed icon</b> on the home screen to change speed. </p> <p><b>Recommended setting:</b> Leave the system on <b>Speed 3</b> for everyday use.</p>
<p><b>Sensor Location</b></p>	<p>The outdoor air temperature sensor is installed in the ducting to the Fan air intake. The room air temperature sensor is inside the wall controller.</p>
<p><b>USER SETTINGS</b></p>	<p>Press the centre of the home screen </p> <p>Enter <b>password 469</b> then press <i>ENTER</i> to access Settings Menu.</p>
<p><b>Screen Brightness</b></p>	<p>Press the centre of the home screen Enter <b>password 469</b> then press <i>ENTER</i> to access Settings Menu. Press <i>Screen Brightness</i>. Press <b>▲</b> or <b>▼</b> to adjust brightness setting.</p>
<p><b>Auto Activate</b></p>	<p>If the system is turned OFF for too long, it will automatically turn itself back ON to help prevent moisture build-up. This is normal and protects your home. The <b>recommended period</b> for <b>auto off</b> and <b>auto on</b> is 4 hours.</p> <p><b>To disable this function</b> Press the centre of the home screen Enter <b>password 469</b> then press <i>ENTER</i> to access Settings Menu. Press <b>▼</b> to access screen 2/2 of Settings Menu. Press <i>Auto Activate</i>. Press  to disable.</p> <p><b>To change the maximum time the Fan Controller can be switched OFF</b> Access <i>Auto Activate</i> settings. Select <i>Max Fan OFF</i> time box. Press <b>▲</b> or <b>▼</b> to adjust time setting. Press  to unselect setting.</p> <p><b>To change the minimum Fan Controller ON time</b> Access <i>Auto Activate</i> settings. Select <i>Auto Activate Min Run</i> time box. Press <b>▲</b> or <b>▼</b> to adjust time setting. Press  to unselect setting.</p>

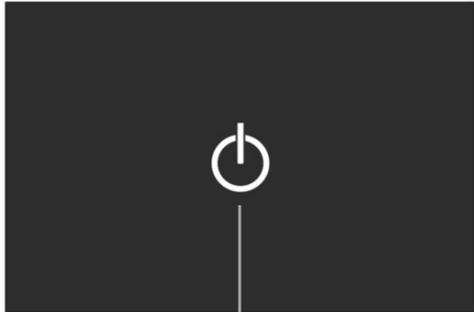
<p><b>Sensor Calibration</b></p>	<p>If the wall controller cannot be installed in a location that provides a good sample of the average building temperature, or it needs to be relocated to a locked cupboard to prevent damage from tenants, the room air sensor can be assigned to an optional extra extract air sensor installed in the extract air duct.</p> <p>To assign room air sensor to optional extra extract air sensor  Press the centre of the home screen  Enter <b>password 469</b> then press <i>ENTER</i> to access Settings Menu.  Press ▼ to access screen 2/2 of Settings Menu.  Press <i>Sensor Calibration</i>.  Select <i>WC Temp</i> box, then press ▲ twice to change setting to <i>Temp 2</i>.</p>																		
<p><b>Automatic Boost (Moisture Control)</b></p>	<p>HomeVent can be connected to:</p> <ul style="list-style-type: none"> <li>• Bathroom lights</li> <li>• Clothes dryers</li> <li>• Kitchen fans</li> </ul> <p>When these are turned ON:  The system automatically increases fan speed.  Fan speed and ON/OFF controls are temporarily locked.  After a short time, the system returns to normal operation.  This helps remove moisture quickly and efficiently.</p> <p><b>THIS MUST BE INSTALLED BY A QUALIFIED ELECTRICIAN</b>  External inputs are connected to the 3x230V AC inputs on the control box</p>																		
<p><b>Default Fan Speed</b></p>	<p>To change fan speed settings  Press the centre of the home screen  Enter <b>password 469</b> then press <i>ENTER</i> to access Settings Menu.  Press <i>Fan Speeds</i>.  Select the speed setting you want to adjust, then press ▲ or ▼ to modify.  Press ⬅ to unselect setting, then repeat step 4.  To access Fan Speed screen 2/2 (for SPD 4 and SPD 5) press ▼ (when speed setting is unselected)</p>																		
<p><b>Factory Fan Speed Settings</b></p>	<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th style="width: 20%;">Speed Level</th> <th style="width: 30%;">Fan 1 Setting</th> <th style="width: 50%;">Fan 2 Setting (where fitted)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>41%</td> <td>43%</td> </tr> <tr> <td>2</td> <td>44%</td> <td>45%</td> </tr> <tr> <td>3</td> <td>48%</td> <td>48%</td> </tr> <tr> <td>4</td> <td>52%</td> <td>52%</td> </tr> <tr> <td>5</td> <td>56%</td> <td>56%</td> </tr> </tbody> </table>	Speed Level	Fan 1 Setting	Fan 2 Setting (where fitted)	1	41%	43%	2	44%	45%	3	48%	48%	4	52%	52%	5	56%	56%
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# HOME SCREEN



Wall Controller

Unit OFF (Fans OFF & By-Pass Damper Closed)

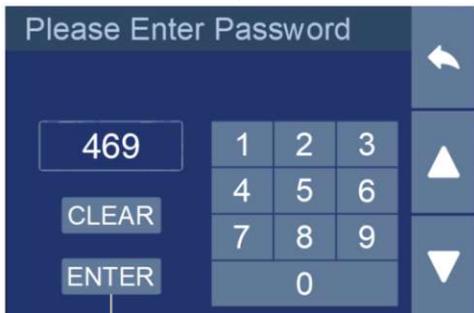
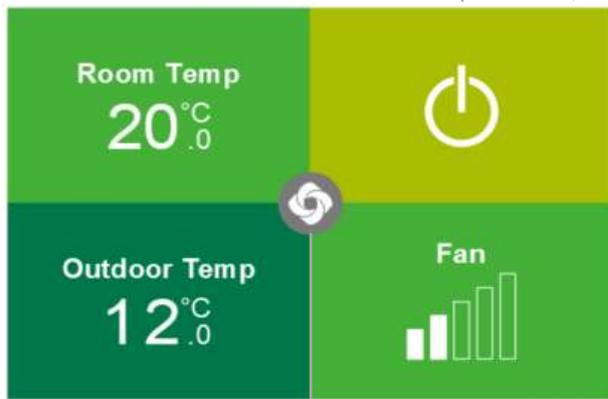


Press power icon

Press power icon

Home screen backlight dims if it hasn't been touched for 10 mins.

User cannot switch OFF controller when this padlock icon is displayed.



Press to manually adjust speed of Supply & Exhaust Fans.

Displays if external inputs (Bathroom Light, Dryer, or Kitchen Fan) are ON. The system automatically increases fan speed while speed and ON/OFF controls are temporarily locked. The system returns to normal after a 5 min run-on time.



Displays if Outside Air is **below** 0°C for 60 seconds. Fans switch to Speed 1.



Displays if Outside Air is **above** 30°C for 60 seconds. Fans switch to Speed 1.

