

# Vent Trex - Continuous Running Configuration

## - User Guide

### Read in conjunction with Common Information document

Vent-Trex is a unique combined overhead extract fan and trickle ventilator for kitchens and bathrooms that fits within the aperture on top of the window frame.

Vent-Trex is ideal for refurbishment situations where wall penetration is undesirable, as it does not damage the fabric of the building or where external aesthetics need to be preserved.



Right hand option shown  
(viewed from the inside)

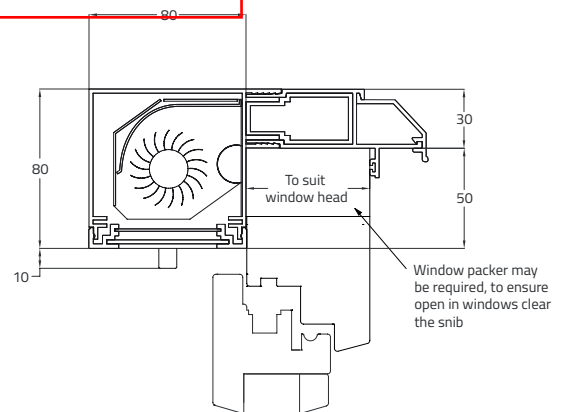
Only available with integral PSU, no slide available.

The unit is provided with a number of different options, this being:-

- External mesh - reducing the likelihood of large insects, leaf etc. entering the unit
- Built in humidity sensor, which detects a change in humidity to trigger the unit.

### Available sizes

- The unit can be made to suit windows of depth from 58mm to 250mm
- Maximum single length 4000mm



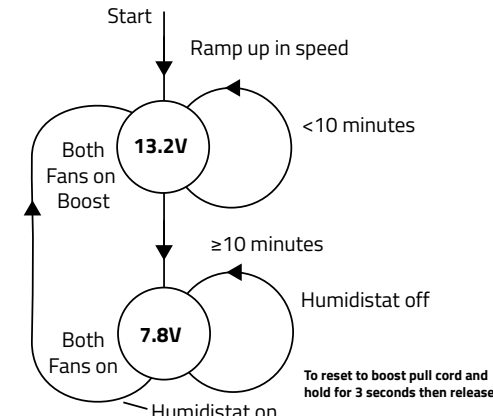
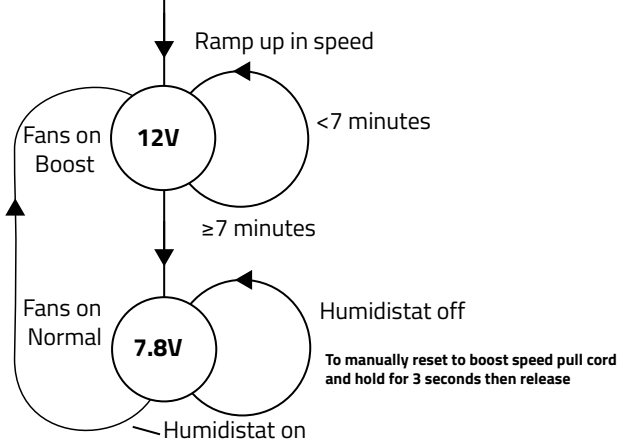
	Minimum Length to Achieve 8.7l/s Low Speed 21.6 l/s high speed	Minimum achievable width*
<b>Kitchen</b>	870mm	430mm

	Minimum Length to Achieve 8.6l/s Low Speed 11.8 l/s high speed	Minimum achievable width*
<b>Bathroom</b>	540mm	430mm

\*Fan lengths will vary with unit width.

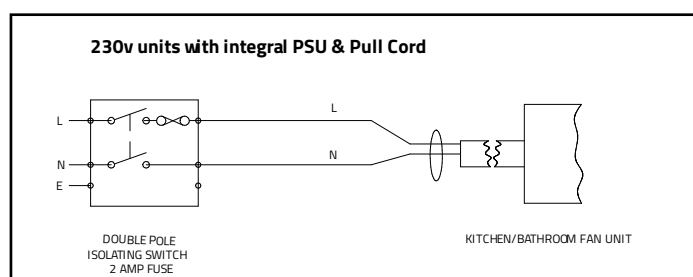
# Operation

Kitchen (Two Speed)	Bathroom (Two Speed)
<ul style="list-style-type: none"><li>▪ The fan will continuously run at low speed to ensure air movement.</li><li>▪ Pull Cord (momentary) or the remote switch (momentary) to switch fan speed from low to high or from high to low</li><li>▪ The fan will run for approx. 10 minutes and then automatically reduces to low speed</li><li>▪ If for any reason the fan stops e.g. power cut the fan will revert itself to the slow speed this takes approx. 1 min.</li></ul>	<ul style="list-style-type: none"><li>▪ The fan will continuously run at low speed to ensure air movement</li><li>▪ Pull Cord (momentary) or the remote switch (momentary) to switch fan speed from low to high or from high to low</li><li>▪ The fan will run for 10 minutes and then automatically reduces to low speed</li><li>▪ If for any reason the fan stops e.g. power cut the will revert itself to the slow speed this takes approx. 1 min.</li></ul>
<p><b>Continuous Running PDB fitted Momentary Pull Cord Switch Normally on, Pull - Momentary off</b></p> <pre>graph TD     Start --&gt; RampUp[Ramp up in speed]     RampUp --&gt; 13.2V((13.2V))     13.2V --&gt;  Both Fans on Boost  13.2V     13.2V --&gt;  &lt;10 minutes  13.2V     13.2V --&gt;  ≥10 minutes  7.8V((7.8V))     7.8V --&gt;  Both Fans on  7.8V     7.8V --&gt;  Pull Cord  13.2V     Note[To reset to boost pull cord and hold for 3 seconds then release]</pre>	<p><b>Momentary Pull Cord Switch Normally on, Pull - Momentary Off</b></p> <pre>graph TD     Start --&gt; RampUp[Ramp up in speed]     RampUp --&gt; 12V((12V))     12V --&gt;  Fans on Boost  12V     12V --&gt;  &lt;10 minutes  12V     12V --&gt;  ≥10 minutes  7.8V((7.8V))     7.8V --&gt;  Fans on Normal  7.8V     7.8V --&gt;  Pull Cord  12V     Note[To manually reset to boost speed pull cord and hold for 3 seconds then release]</pre>

Kitchen (Two Speed)	Bathroom (Two Speed)
<p>With humidistat</p> <ul style="list-style-type: none"> <li>The fan will continuously run at low speed to ensure air movement.</li> <li>Pull Cord to switch fan speed from low to high or from high to low</li> <li>The fan will run for approx. 10 minutes and then automatically reduces to low speed</li> <li>The fan sequence will restart if the humidity rises above the predetermined level.</li> <li>If for any reason the fan stops e.g. power cut the fan will revert itself to the slow speed this takes approx. 1 min.</li> </ul>	<p>With humidistat</p> <ul style="list-style-type: none"> <li>The fan will continuously run at low speed to ensure air movement</li> <li>Pull Cord to switch fan speed from low to high or from high to low</li> <li>The fan will run for 10 minutes and then automatically reduces to low speed</li> <li>The fan sequence will restart if the humidity rises above the predetermined level.</li> <li>If for any reason the fan stops e.g. power cut the will revert itself to the slow speed this takes approx. 1 min.</li> </ul>
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## Wiring Diagrams

230v units are supplied with a 2m long two core mains cable.



## Power Consumption

13.6v Kitchen – 5W @ 21.6 I/s (1200mm length) (Integral PSU).

12.9V Bathroom - 2W @ 11.8 I/s