

# Lo-Carbon Sentinel Multivent



## Home Owners Ventilation System Guide

### Condensation and Mould

In Britain, condensation in houses is a problem particularly where warm moist air is generated in areas like kitchens and bathrooms or by drying clothes over radiators. The moisture in the air gets left on surfaces in colder parts of the house resulting in water running down the windows leading to black mould on walls, ceilings and in cupboards.



The 'average' family produces approximately 27 pints of moisture per day.

### How can we reduce humidity levels:

- Adequate Heating – Air is like a sponge, the warmer it is the more moisture it will hold
- Adequate Insulation – Prevents cold surfaces for moisture to condense
- Adequate Ventilation – Removes the excess moisture held in the warm air and provides fresh air resulting in better indoor air quality



Walls, ceiling, floors & soft furnishings quickly show signs of black mould growth.

### Provide adequate ventilation

Traditional intermittent extract fans provide peaks of airflow, this means we are warming indoor air and then extracting it to outside, which is not energy efficient.

Instead, continuous running extract fans in bathrooms, kitchens and utility rooms work with the natural air flow in the house meaning you have a constant supply of fresh air which prevents germs multiplying and spreading, giving you a healthy home, but without the heat loss associated with intermittent fans.



Costs as little as £7.40 per year to run!



DO NOT adjust your ceiling diffusers

# Lo-Carbon Sentinel Multivent



## What is it and why is it there?

The Vent-Axia Sentinel Multivent is a centralised fan unit mounted in your loft space or cupboard that draws stale moist air and odours from your bathroom, kitchen and WC, and removes it from the property through the circular grilles mounted in your ceiling.

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## What does it do?

It continuously moves air around your property at such a low level that you never feel it, but it takes all the stale air from inside your house which is replaced by clean fresh air, 24 hours a day, 7 days a week. Your home is ventilated without the need to open windows which can let in noise, fumes and can compromise security. The fan is designed to operate at a lower flow rate than normal. You will notice it may not clear steam / condensation as quickly as you may be accustomed, but will clear condensation 100% over a longer period of time.

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## How will it help?

The unit will prevent the build up of moisture in the house, remove steam/condensation and odours during bathing and cooking, prevent black mould forming on the walls and behind cupboards etc. It will also help stop the dampness that you can get in your cupboards and wardrobes, on your clothes and furnishings, caused by poor ventilation.

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## How do I control it?

The Multivent operates continuously on 'Trickle' setting to ensure your home is ventilated at the appropriate level. The system will automatically boost to a higher extract rate when the cooker, shower or bath is used. As the unit removes the stale air from the property, it is replaced with air from outside. Trickle/slot vents that are installed in your windows or walls must be left open or the system will not perform properly. Please note the fan may run at the higher boost rate as the dwelling dries out. This should settle down once the dwelling has had time to dry out. The unit also comes with a normal boost purge switch - a single gang switch to operate between normal, boost and purge speed.

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## Does the unit require any maintenance?

No maintenance is required and the Multivent will give you years of discreet, trouble-free ventilation.

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## DO NOT switch off the product

The fan is set to run continuously 24 hours a day, 7 days a week.

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## What are the running costs?

Your Multivent uses the latest low energy consumption technology and can cost as little as £7.40\* per annum to run. \*Based on electricity at 14 pence per unit.