

The unique automatic *energy saving* ventilation control for *added safety* in kitchens & bathrooms...

Ventmiser CMSM (Carbon Management Switch Module) is a temperature and/or current sensing control device which activates an extract fan when either a cooker, bath or shower is being used. Ventmiser can also be used to boost the speed of a central ventilation system (MEV or MVHR) when cooking, showering or bathing is taking place.

The unit will help prevent condensation problems and can assist in the reduction of false fire alarms (Requirement of BS5839-1:2002 section 3).

Ventmiser benefits:

- **Auto control**, there is no need for switches.
- **Energy savings** by boosting fan only when moisture/cooker odour generating activities are taking place.
- **Multi-input** able to sense up to six moisture or odour generating appliances.
- **Adjustable overrun timer** can be set to suit all requirements.
- **Easy to install** with either current and/or temperature sensors for total flexibility.
- **Simple to commission.**
- **Removing other odours** - a SELV manual override input provides manual on or boost control for 25 minutes. Intermittent ventilation is now a requirement of Part F building regulations 2006.
- **Very compact** 159mm x 85mm x 45mm.

Ventmiser - ideal for the following applications:

- Private houses & apartments.
- Sheltered housing.
- Social housing.
- Key worker accommodation.
- Student accommodation and housing in multiple occupation.
- Doctors and nurses living quarters.
- Holiday apartments and chalets.
- Hotels.



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How Ventmiser works

Ventmiser automatic fan controller comprises of a main controller with the optional choice of either, or both current and temperature sensors which detects when a cooker or shower is in use.

This enables Ventmiser to automatically turn on an extract fan or boost a central ventilation system.

For electric showers and cookers a current sensor is used to detect the flow of current.

For conventional showers (fed from a hot water system) a temperature sensor is used to detect the presence of hot water in the hot water pipe to the shower mixer.

When showering, bathing or cooking has finished the fan is turned off or back to low speed. There is an adjustable overrun facility which will allow the fan to run on for approximately 10 - 30 mins. combining optimum ventilation and moisture removal with energy efficiency.

Ventmiser units are capable of receiving six sensor inputs i.e. three current sensors and three temperature sensors. Both current and temperature sensors are supplied with a 4 metre cable length as standard however, 12m lengths are also available. Cable lengths up to 20m can be supplied to special order.

The controller has the capacity to receive several SELV manual push button override inputs.

Ventmiser is suitable for 240 Volt single phase 50 Hz fans up to

2 amps or 500 watts. The control unit has a change over relay rated at 10 amps (resistive load).

Ventmiser is a robust controller with the main printed circuit board (PCB) mounted in a stylish white, fire retardant (V0 rated) ABS enclosure.

The controller should be sited to meet the IEE regulations.

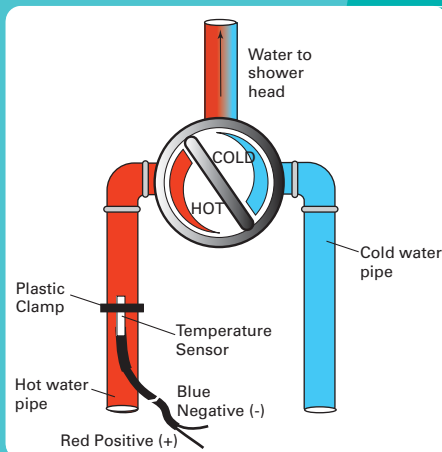
For greater flexibility and ease of commissioning the multi sensor incorporates a load potentiometer and time potentiometer for each group of three current and each group of three temperature sensors.



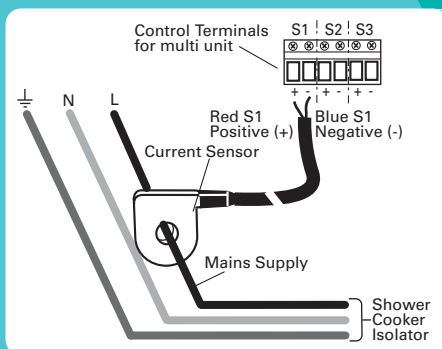
The current sensor.



The main controller is shown with both sensors and plastic clamps.



Temperature sensor securely clamped to the hot water pipe leading to the shower mixing valve or bath tap.



Current sensor simply fits over the live conductor to an electric shower or cooker.



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Ventmiser and Cookermiser are patented devices.