

INSTALLATION AND OPERATING INSTRUCTIONS

AIR QUALITY SENSOR AQS1

Specification

Model no.	Electrical supply	Current Rating	Dimensions (H x W x D)	Mounting
AQS1	230v 1Ph 50Hz	3A	87mm x 160mm x 70mm	Surface

The AQS1 controller continuously monitors the level of air quality. The controller senses contaminants such as cigarette smoke, toilet odours, cooking smells etc. When the preset air quality level is exceeded the controller switches the fan on and the LED indicator changes from green to red .

If the air quality level is vastly affected the LED indicator flashes red, an optional buzzer will sound and a set of volt free contacts will close. These contacts can be used to enable a remote alarm if required

The controller incorporates a run on timer which can be preset between 3 and 30 minutes after the air quality has returned to normal.

Installation

1. Before attempting to make electrical connections or adjustments within the controller ensure the electrical supply is switched off.
2. Check that the controller supplied can safely control the size of the fan(s). Remove front cover by unscrewing the fascia fixing screws. This provides access to mounting holes and electrical terminals.
3. Install in a dry sheltered position. Do not install in close proximity to a heat source.
4. The controller should be mounted in an elevated position where the build up of contamination is at its highest.
5. All wiring and control equipment **MUST** comply with current applicable regulations.
6. Earth connections to be made where applicable.

Setting the controller

1. Turn the control knob fully clockwise
2. Power up the unit and allow the sensor in the controller to stabilize for at least 15 minutes. The LED indicator may initially turn red and switch the fan on.
3. After 15 minutes with the air quality remaining good, the indicator light will show green. Slowly turn the control knob anti-clockwise until the indicator light changes colour to red.
4. Move the control knob a fraction clockwise, the red light will change back to green. The fan will continue to run for its preset timer period.
5. The controller is now set up

Wiring diagram

