

# Standard Range

## Wall Models



### Features and Benefits

- > Extract/intake models in 4 sizes: Size 6, 7, 9 and 12.
- > IPX4 Rated.
- > Ivory fascia, wall sleeve and black external weather louvre.
- > Manufactured in weather-resistant polymeric materials.
- > Optional shutter available.
- > For the best performance from your fan use a Rangemaster controller.
- > DEMKO Approved.

### Typical Specification

Supply and install a Standard Range Wall fan as manufactured by Vent-Axia Ltd, Fleming Way, Crawley, West Sussex, RH10 9YX Telephone: 01293 526062.

The fan should have a rigid wall liner for maximum wall thickness of 279mm. The unit should have fixed electrical connections within the liner for a first fix in a new build situation.

The plate should have the facility to be fixed on the liner making the electrical connection complete.

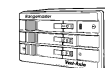
The fan should have the option of a backdraught shutter.

The fan should be fully reversible and be able to be controlled by using variable speed controllers or by humidity, air quality or TimeSwitches.

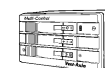
The unit should meet with Document F of the Building Regulations. **DEMKO Approved.**

The motor should be suitable for mounting at any angle and suitable for operation in ambient temperatures from -40°C to +50°C and should be fitted with self resetting Standard Thermal Overload Protection (S.T.O.P.).

### Controllers



**Rangemaster Controller** - Infinitely variable speed control, adjustable minimum speed setting. Choice of extract/intake. Sensor mode switch enables any of a number of external electro-mechanical switches eg: Ecotronic, HumidiSwitch, ThermoSwitch and TimeSwitch to control the fan.



**Multi-Unit Controller** - For groups of up to 5 units of any one size up to a total of 400 watts. Extract/intake and infinitely variable speed control. Do not mix T-Series with Standard Range ventilating units on one controller.



**TimeSwitch** - Electronic timer. Can be pre-set for a time overrun of 1-35 minutes. Maximum load 2 (1 inductive) amps.

### Sensors



**Ambient Response Humidity Sensor** - Self programming electronic On/Off wall mounted humidity sensor which reacts to any rapid increase in humidity and temperature. Night time RH increment setback feature.



**Air Quality Sensor** - Automatically reacts to the depletion of air quality, sensing tobacco smoke, smells and toilet odours to regulate mechanically ventilated areas.

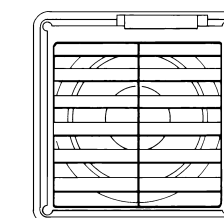
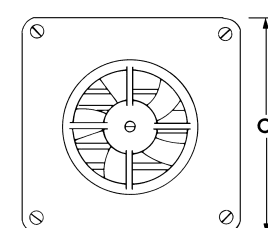
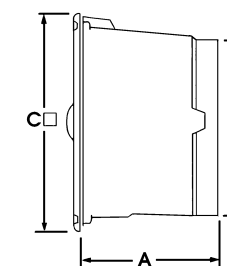


**Ecotronic Humidity Sensor** - The Ecotronic Humidity Sensor is an adjustable set point, solid state controller. A pullcord provides manual override, indicated by lamp. Adjustable from 65% to 90% RH. Ecotronic includes a relay and can be used with Rangemaster controller sensor mode.

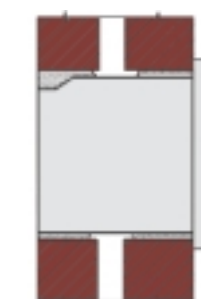
For full details of controllers and sensors, see [page 148](#) and [pages 164-171](#).

### Dimensions (mm)

Size	6	7	9	12
Impeller dia.	150mm	190mm	230mm	300mm
Dim.	mm	mm	mm	mm
A	279	279	279	279
B	203	279	279	356
C	279	362	362	448
Fixing hole Square	235	311	311	400
Weight	4.1kg	5.7kg	6.7kg	10.1kg



External grille view



Section view

## Classic Ventilation

The proven Standard Range Wall models are designed to fit flush into most double brick walls using the rigid wall liner supplied with the unit. Provision is made within the liner for conduit entry. When installed, only the ivory fascia is visible on the internal wall face. The external weather louvre fits flush to the outside. A shutter is available as an accessory which can be easily fitted within the unit, see below.

On new building work the installation and wiring of the wall liner can be completed prior to the final installation of the unit and controller. Fully shrouded connectors on the fascia automatically connect the wiring to the motor when fitted to the wall liner.

### Motor

The motor is purpose-designed. Suitable for running at any angle. Quiet running, enclosed, sealed for life ball bearings.

Supply voltage: 220-240V/1/50Hz.

Suitable for operation in ambient temperatures from -40°C to +50°C.

Fitted with Standard Thermal Overload Protection (S.T.O.P.).

### Controller

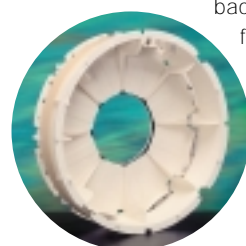
The **Rangemaster controller** is recommended for use with this model to give full function control of the fan including auto mode using an electromechanical sensor from Vent-Axia's sensor range. Alternatively, single speed extract is achieved using a normal On/Off switch.



### Shutter

#### Type SD/R

This extract/intake shutter fits inside the Vent-Axia unit and closes against unwanted backdraughts. It can be fitted at the same time as the unit or at a later date if required. Airflow operated for extract use, cord operated lock for intake use.



### Easy Cleaning

Integrated component design allows all parts to be dismantled for cleaning without the use of specialist tools. The fascia, motor impeller assembly unplugs from the wall sleeve. The external weather louvre is removed into the room for cleaning. All plastic components can be washed.

### FAQ's Answered

Fixed wall liner for cavity external walls.

Optional built-in auto flap shutter available.

Infinitely variable speed controller.

Standard Range controllers require 4 core wire.

Unit Size	Type	Stock Ref. No.	Amps @ 240V	Extract performance MAX. m³/h	Watts MAX.	dB(A) @ 3m	Shutter Stock Ref. No. type SD/R	RVS Surface	Rangemaster Flush Fitting	Time Switch type TTC	Multi-Unit type MUC
6	S6/WL	13 15 10A	0.16	340	32	39	23 17 10	W30 01 10	W30 01 10 + 40 01 44	W36 13 10	W36 23 10
7	S7/WL	13 25 10A	0.16	544	34	35	23 27 10	W30 01 10	W30 01 10 + 40 01 44	W36 13 10	W36 23 10
9	S9/WL	13 35 10A	0.24	856	53	43	23 37 10	W30 01 10	W30 01 10 + 40 01 44	W36 13 10	W36 23 10
12	S12/WL	13 45 10A	0.36	1767	84	46	23 47 10	W30 01 10	W30 01 10 + 40 01 44	W36 13 10	W36 23 10