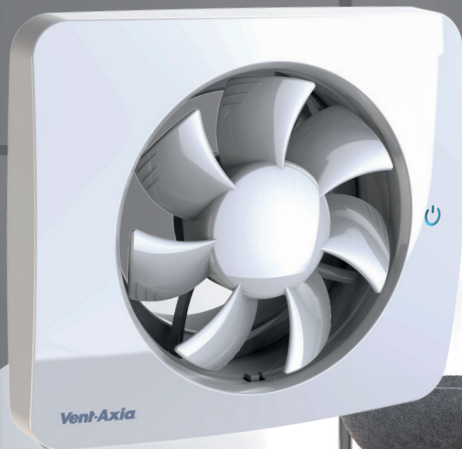# PUREAIR SENSE

Bathroom Fan with Odour Sense Technology

Vent-Axia

Instruction Manual

A product by
Vent-Axia

READ THIS FIRST!
IMPORTANT!

Please read these instructions carefully before use.

The fan is designed for permanent installation and must be installed by an authorized electrician.

According to the EN 60335 Standard, the following must be taken into account:

- This product can be used by persons aged 8 years and over and by persons with reduced physical or mental ability or lack of experience and knowledge, if they have received guidance or been instructed on the use of the product in a safe manner and are aware of the risks.

- Children must not play with the product. Cleaning and maintenance must not be carried out by children without supervision. The fan ducting length must not be less than 200mm.

- When mounting in wall or ceiling the external opening must always be protected against rain/snow with a hood/exterior grille.

Functions

Odour Sensor
The Vent-Axia PureAir Sense fan is equipped with an odour sensor that increases the airflow when the air is poor.

Adjustable Timer
Triggered via light sensor. Possibility of a 2 minute delay, and selectable run-on time 15 or 30 minutes. The airflow can be adjusted from the control panel or via the app.

Automatic Humidity Control System
Fully automatic humidity control, which means the fan increases the airflow at increased humidity. The airflow can be adjusted from the control panel or via the app.

Continuous or Intermittent Operation
Let the fan run continuously if you need basic ventilation in your home. The flow can be adjusted from the control panel or via the app.

Airing Function
If the fan has been inactive for 26 hours, it will run an airing program for 60 minutes.
The airing function is not active when the fan is running continuously. The airflow can be adjusted from the control panel or via the app.
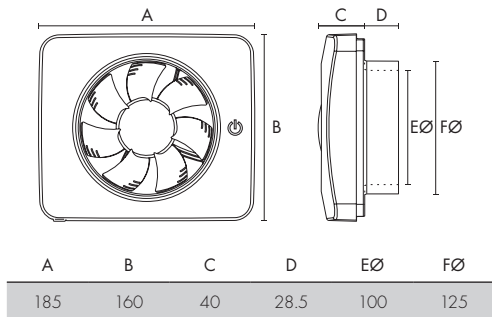
App
The Vent-Axia Connect App can be downloaded to Android and IOS devices. The app gives you access to a variety of settings and functions.
See the Vent-Axia website for detailed information on all fan functions with and without the app. www.vent-axia.com
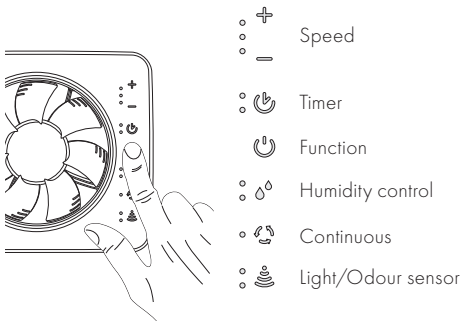
Dimensions (mm)

A	B	C	D	EØ	FØ
185	160	40	28.5	100	125

Settings

Press the function icon and all adjustable/programmable symbols will light up. Then press any of the Timer, Humidity control, Continuous or Light/Odour.
This will only light up the selected function, which is then ready for adjustment. You can control speed/flow
+/- is provided for certain functions. Lit lamps next to each symbol indicates the function is selected.
See the Vent-Axia website for detailed information on all fan functions with and without the app: www.vent-axia.com

Default Factory Settings

Constant running low speed	ON - 10l/s
Airing function (every 26hr)	ON - 15l/s 60min
Overrun timer	ON - 15l/s 15min & 2min Delay
Humidity function	ON - 28l/s
Light sensor	OFF - 15l/s
Odour sensor	ON - 28l/s

Reset

Press the function button once. Press and hold the function button for at least 5 seconds.

	✛ ─	Speed
	🕐	Timer
	⏻	Function
	◌	Humidity control
	◌	Continuous
	◌	Light/Odour sensor

Technical Data

Maximum airflow	140 m³/h or 39l/s
Min sound level	19 dB (A) 3 m
Max pressure	57 Pa
Power consumption	2 - 5 W
Spigot depth	29 mm
Hole size	105 - 130 mm
Material	ABS plast
Protection rating	IP44
Insulation class	X
Voltage frequency	100 - 240 V AC 50 - 60 Hz
Certificates	DC6
Mounting options	Wall or ceiling
Bluetooth LE	-12dBm EIRP (63μW), nominellt 2450MHz

Electrical Wiring

- Electrical installation must be carried out by an authorised electrician.
- The fan is double insulated and should not be grounded.
- The fan is fitted with a multi-pole switch and does not require a pre-wired external switch. ➤
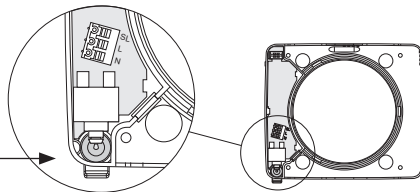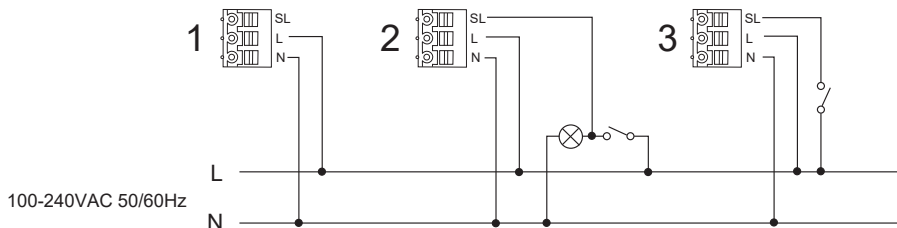
Installation Options

The fan can be connected in three different ways depending on the desired function.

The fan is connected with constant voltage supply 100-240 VAC 50/60 Hz, phase (L) and Zero (N), see wiring diagram

- Time control with light switch, see wiring diagram 2. The fan is connected with constant voltage supply 100-240 VAC 50/60 Hz, phase (L) and Zero (N). The control phase (SL) is connected to activate the fan's time control, i.e. when the bathroom light comes on, there is power to the igniter wire. This option provides a delayed start of 2 minutes. The fan will run as long as the light is lit. When the light goes out, the fan will run for another 15/30 minutes.

- Time control with spring-loaded switch, see wiring diagram 3. The fan is connected with constant voltage supply 100-240 VAC 50/60 Hz, phase (L) and Zero (N). The control phase (SL) is connected to activate the fan's time control with spring-loaded switch. The fan runs for 15/30 minutes after the spring-loaded switch has been activated.

Mounting Options

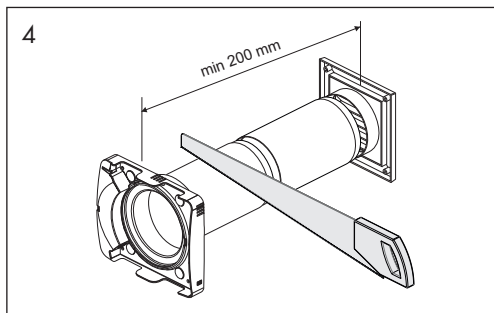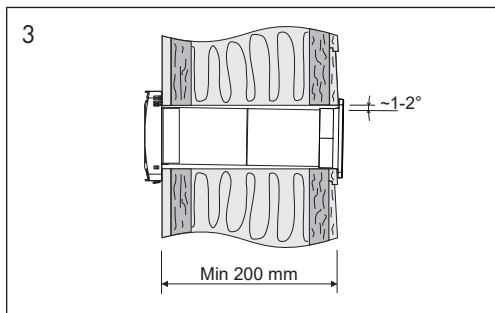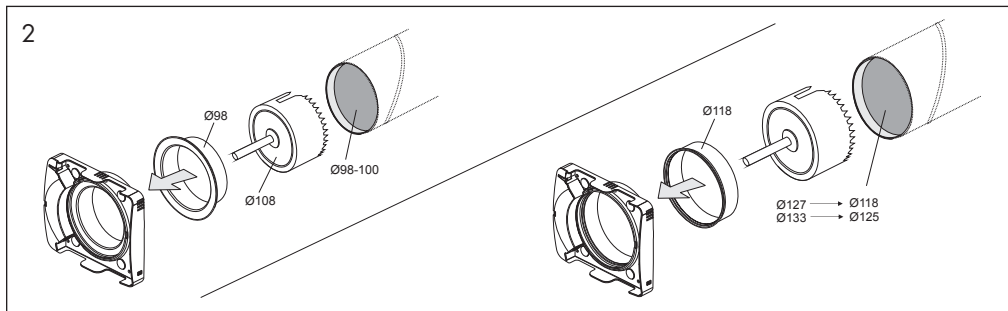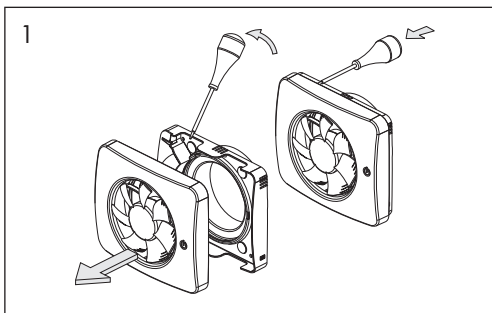The fan is suitable for ceiling and wall mounting.
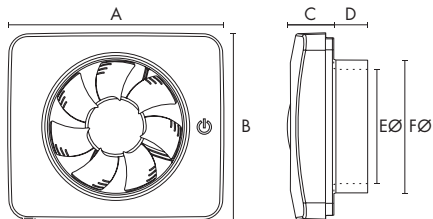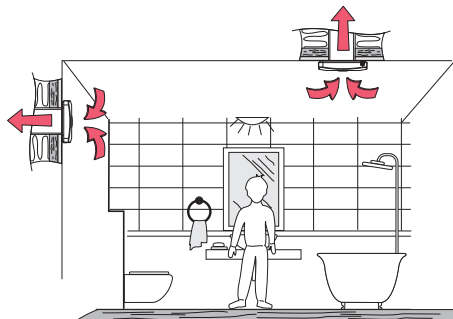
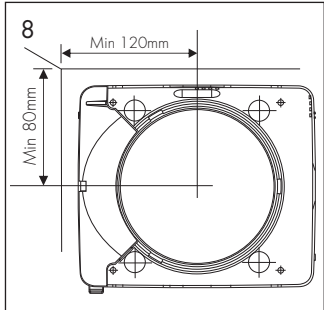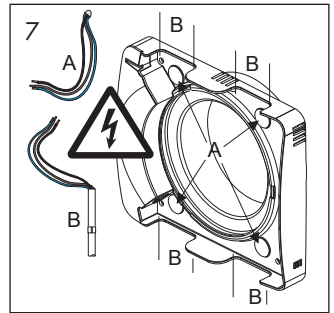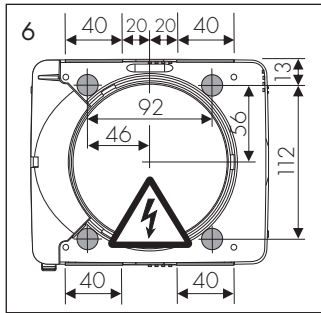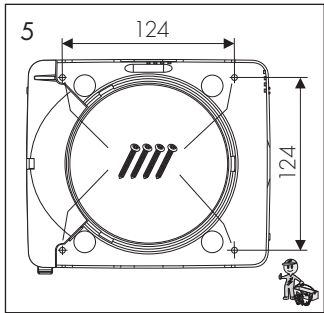| A	B	C	D	EØ	FØ
185	160	40	28.5	100	125

Capacity Curve

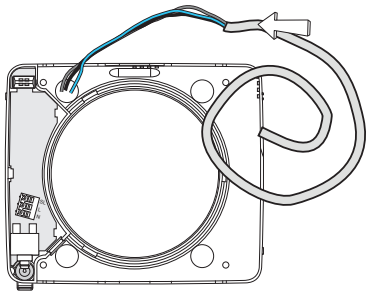Maximum flow and available pressure 140 m³ / 39l/s / h_57 Pa with Ø 118mm (125) adapter.

1 Ø100 max speed

2 Ø125 max speed

Pressure Pa

Volume Flow l/s

Mounting

1

2

Ø98
Ø108
Ø98-100

Ø118
Ø127 → Ø118
Ø133 → Ø125

3

~1-2°

Min 200 mm

4

min 200 mm

5 — 124, 124

6 — 40, 20, 20, 40, 13, 92, 56, 46, 112, 40, 40

7 — A, B, B, B, A, B, B, B

8 — Min 120mm, Min 80mm

9 — 1(x4), 2(x4), 3(x4), 4(x1)

Installation

10

11

12

13

14
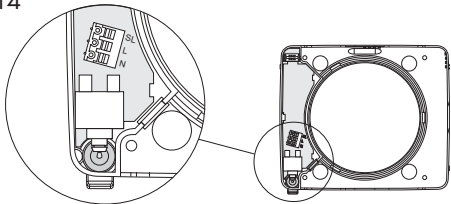
1   2   3

100-240VAC 50/60Hz

L

N

SL
L
N

15

16

On / 1
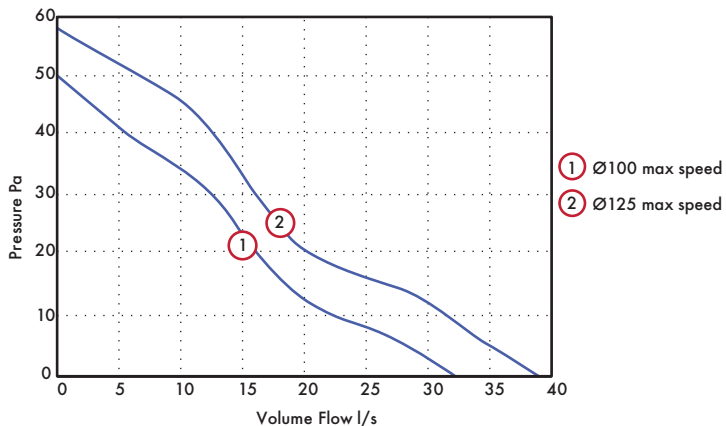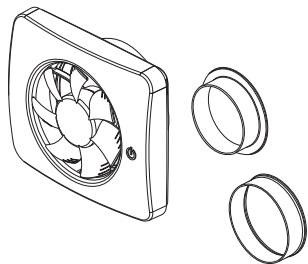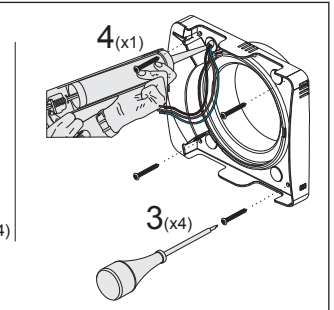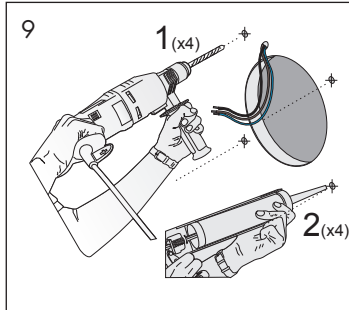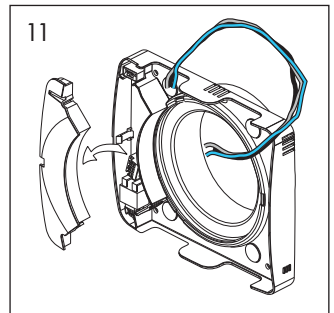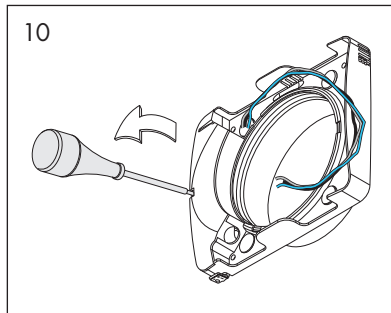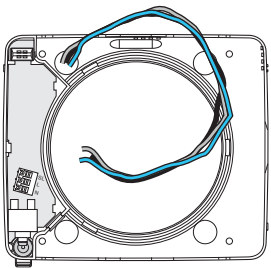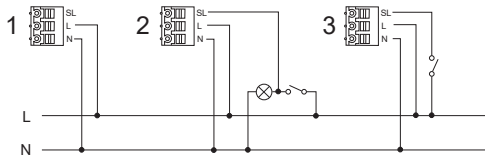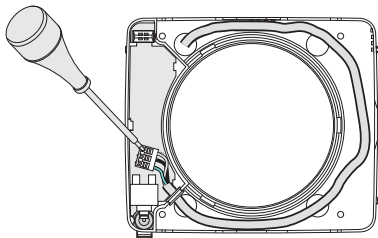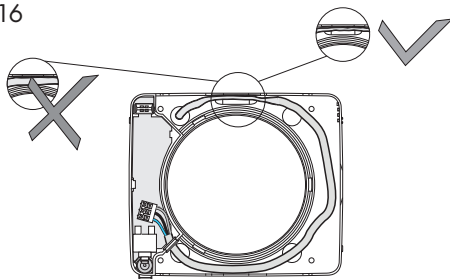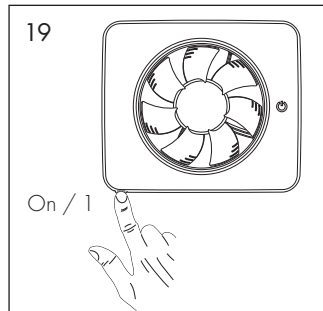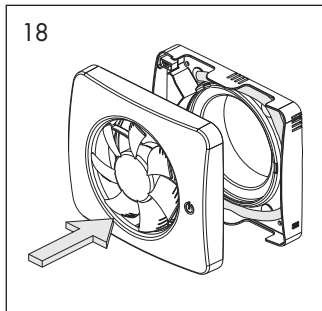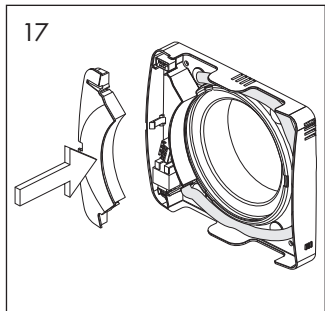
Cleaning & Maintenance

The Vent-Axia PureAir Sense is designed to work efficiently for many years. For the fan to work correctly, it must be cleaned regularly. The cleaning interval is determined by how long the fan is operated and the air quality. Clean the fan at least twice/year or as necessary. When cleaning, disconnect the power to the fan by pressing the multi-pole switch upwards to the O-OFF position.

Off / 0
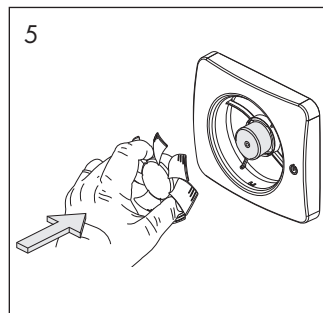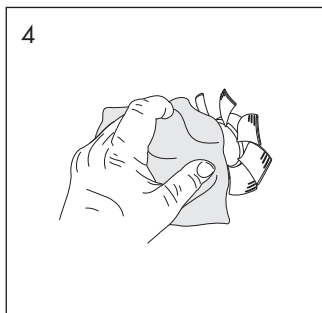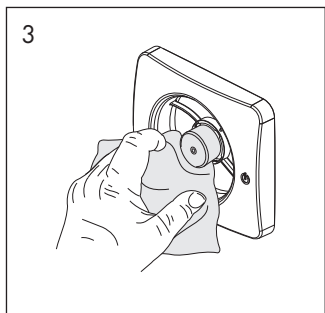
Mounting of Magnetic Front Cover (accessory)

Warranty

We provide a 7-year warranty against manufacturing defects.

For the warranty to be valid, proof of purchase is required and the fan:

- must be assembled and installed in accordance with the installation guide in this manual
- must have been maintained according to the maintenance instructions in this manual
- must be mounted in a normal residential environment
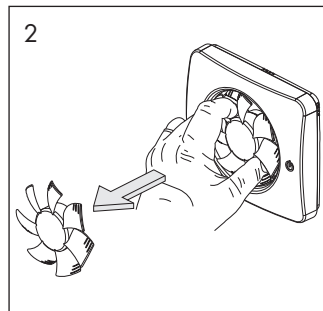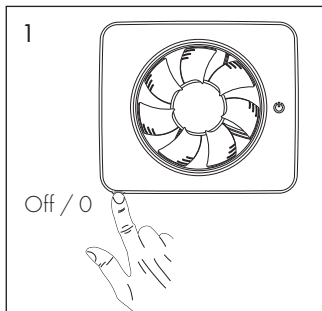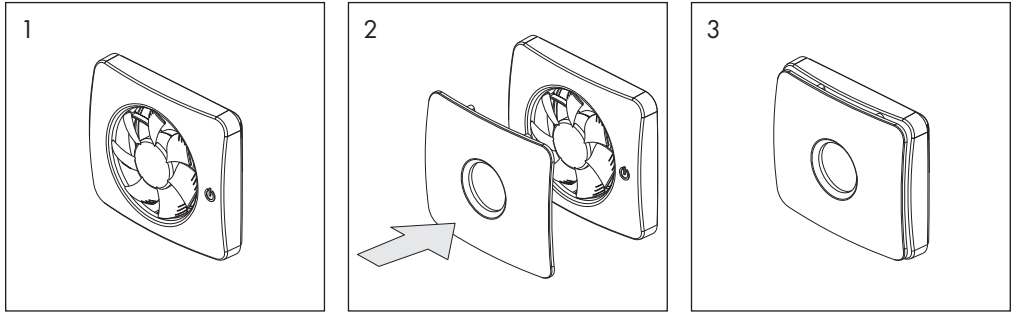- must be connected to a voltage of 100-240VAC 50/60Hz
- has not been exposed to lightning or abnormal power surges
- has not been subjected to tampering
- has been installed so that water cannot spray/flush the fan
- must not have been installed in an environment where the temperature has exceeded 50° Celsius

Product complaints shall be made to the point of purchase.

Recycling

The product is labelled with the WEEE symbol indicating that it must not be disposed of in the household waste, but should be recycled at the appropriate place in each municipality.

Quick Guide

Function indication is given with different colours.

The function symbol is lit depending on the active function:

No light
The fan is off or activated for continuous operation.

Blue light
The fan is running due to increased humidity.

Flashing blue light
The fan is running because it has detected that it can lower the humidity in the room.

Green light
The air quality sensor has activated the fan.

Purple light
The fan has been started by the airing function.

Yellow light
The fan is running on the timer.

Flashing yellow
The delay timer counts down, faster flashes towards the end.

To access the functions that can be programmed:
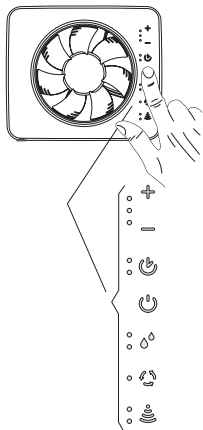
First press the function icon.

All programmable function symbols light up.

Timer   Humidity Control   Continuous Operation   Odour/Light Sensor

To activate the desired function, press any of the four symbols and then follow the instructions to the right.
The process is then ended by pressing the function icon twice.

Timer		
Select time:	Activate/deactivate delayed start:	Increase/decrease airflow:
One press at a time	Hold for 2 secs. The lamps flash 3 times	Press the +/- buttons
15 min 30 min	15 min 30 min	

Humidity Control		
The lights will show which selection option you are on:	Press once to scroll to the next option. Keep scrolling until you get to the option you want. Hold for 2 secs	Increase/decrease airflow during humidity-activated operation: Press the +/- buttons
Fast	Fast	
Normal	Normal	
Slow	Slow	
Deactive	Deactive	

Continuous Operation		
Activate:	Deactivate:	Increase/decrease airflow:
Press until the lamp comes on	Press until the lamp goes off	Press the +/- buttons

Light and Odour Sensor		
Indications:	Activate/deactivate:	Increase/decrease airflow:
The corresponding lamp lights up	Press repeatedly until the lamp goes on or off	Select the Timer speed function, which is common for the flow with the lights sensor
Light Sensor	Light Sensor	Air quality function has same speed as humidity function
Odour Sensor	Odour Sensor	
Light Sensor & Odour Sensor		Press the +/- buttons
Inactive		

Reset		
(to factory settings)	Activate 1 touch	Touch and hold for 5 sec

Vent-Axia®

Accessories available:
(purchased separately)

1.   Wall Mounting Back Plate   Stock Ref. 406762

2.   Internal Wall Kit - White   Stock Ref. 474779
         with Backdraught Shutter

1.   2.

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