AIRTECH

Condensation, Mould & Radon Specialists

SA25 SELV
SensaFan Range

Product Datasheet

- Energy efficient fan
- Impedance protected 12 volt 2 watts DC ball bearing motor
- Silent integral back-draught shutter
- Dynamic control in range 30-70% RH
- Contamination proof sensor head with lifetime guarantee
- 5 year guarantee as standard
- Red/Green diagnostic LED

Order Code	
SA25	Low profile, high pressure axial fan, continuous running SensaFan
SA25i	Low profile, high pressure axial fan, intermittent running SensaFan

Benefits

- 5 year guarantee
- Lower energy cost for tenant in keeping with government directive regarding energy efficient electrical appliances in Social Housing
- No maintenance required

The SensaFan A25 range is a fully automatic 100mm (4") safe extra low voltage axial fan, for wall, ceiling or window fitting with a safe extra low voltage option for applications in Zone 1. Energy efficient ball bearing 12V DC motor requires 2 watts of power when operating. Supplied as a complete kit, comprising tube fan, remote humidity sensor & transformer.

The Dynamic Humidity sensor is designed to operate when any rapid increase in the humidity is sensed. When the water vapour has been extracted and the room returns to the previous humidity level, the Dynamic Controller will switch the fan off boost back to the preset trickle rate.

Special Features

Motor

- Energy efficient - As low as 2 watt when on trickle
- Ball bearing motor, provides long life performance
- Quiet operation
- Conforms to IEE 17th Edition SELV circuits

Humidity Sensor

- Dynamic sensor head guaranteed for life
- Transformer and humidity sensor housed in single remote unit
- Manually operated pull-cord for max boost and return to trickle operation
- LED function display

General

- Extract rate 90m^3 per hour (25 ltrs/sec)
- SELV fan unit can be positioned in Zone 1 or 2
- Transformer/Humidity sensor unit must be positioned outside Zone 2

Construction

Wall fan – The low profile 100mm fan is suitable for wall mounting with wall kit ESG100WALL. Isolation transformer forms integral part of the dynamic humidity sensor controller and is contained within a single gang box.

Supplied as a kit including fan, remote humidity sensor and transformer.

Window Fan – Suitable for use with all A25 fans the AWK100 uses the kit's rubber gasket to stop moisture entering the property via the window kit. The kit can be secured and locked from the inside.

Motor

All SensaFans include energy efficient, ball bearing DC motors that, when combined with DataFan control platform, consume no more than 2 watts on trickle. Both 240V and low voltage options offer the same performance and energy consumption.

Installation

The SELV fan unit may be fitted in either Zone 1 or 2 of a bath/shower room. The humidity sensor/transformer must be fitted outside Zone 2 only (alternative models available with separate transformer and SELV sensor with or without Timer overrun if required). For maximum efficiency the fan should be sited at high level, as close as possible to the source of moisture. The sensor/transformer should be positioned to detect humidity as it is produced, ideally on an internal wall 100-150mm down from the ceiling and between the moisture source and the door of the room.

In many instances, a passive air vent, or an air brick, may need to be fitted to other cooler rooms within the property, in order to promote a good airflow throughout the dwelling.

Fitting Kits available:

Order Code	Model
ESG100WALL	Wall Kit
AWK100	Window Kit
ACKS100	Ceiling Kit
ADF2560	Decoration Frame
ACK46	Conversion Kit

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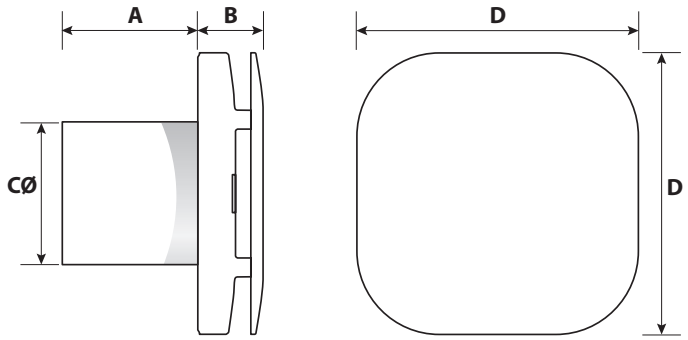
5 YEAR PRODUCT GUARANTEE

Fan Dimensions (mm)



Casing (mm):

A	B	C	D
90	45	99	190

Hole diameters (mm):

Walls	Ceilings	Windows
107	107	117

Fan Technical Data

Fan motor	Extract capacity	Trickle dB(A) @ 3m
12V DC, 2W on trickle	90m^3/h (25 ltrs/sec)	14

Humidity Sensor Technical Data

Humidity range	Response sensitivity	Night time setback
0-100% RH	5% RH @ 30% RH within 10 seconds	70% RH between 18-25°C (+/- 1% per 1°C rise or fall)

Supply voltage	Max. DC ripple voltage	Load (maximum switching)
220/240V AC	20mV RMS	50 watt @ 12 volt DC inductive

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