

## SA60/SA60 SELV SensaFan Range

### Product Datasheet



- Energy saving fan
- Impedance protected
- 12 volt 6 watts DC ball bearing motor
- Back-draught shutter on 'i' models
- 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

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**SA60** SensaFan high performance fan, continuously running with extract performance up to 60l/s

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**SA60i** SensaFan high performance fan, intermittent running with extract performance up to 60l/s

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**SA60 SELV** SensaFan high performance Safety Extra Low Voltage fan, continuously running with extract performance up to 60l/s

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**SA60i SELV** SensaFan high performance Safety Extra Low Voltage fan, intermittent running with extract performance up to 60l/s

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## Benefits

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- 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 A60 range is a fully automatic 100mm (4") including safe extra low voltage high pressure axial fan options, for wall, ceiling or window fit applications in Zone 1. Energy efficient ball bearing 12V DC motor requires 6 watts of power when operating. Supplied as a complete kit, comprising tube fan, remote humidity sensor & transformer. Upon removing the cover, power is cut to the fan allowing for safe access for cleaning and maintenance.

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

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### Motor

- Energy Efficient - As low as 6 watts when on trickle
- Ball Bearing motor, provides long life performance
- Quiet operation
- SELV Options 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

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- Extract rate 216m<sup>3</sup> per hour (60 ltrs/sec)
- SELV fan unit can be positioned in Zone 1 or 2
- Transformer/Humidity sensor unit must be positioned outside Zone 2
- Transformer is supplied separately from the humidity sensor

## Construction

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Wall fan – The 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 A60 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

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All SensaFans include energy efficient, ball bearing DC motors that, when combined with SensaFan control platform, consume no more than 6 watts on trickle. Both 240V and low voltage options offer the same performance and energy consumption.

## Installation

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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.

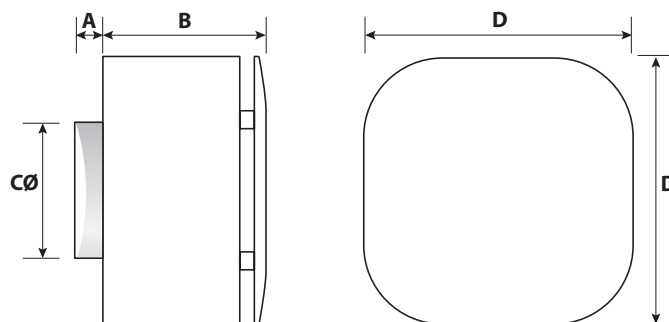
In many instances, a passive air vent, or an air brick, may need to be fitted to other cooler rooms within the property, in order to promote a good airflow throughout the dwelling.

## Fitting Kits available:

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Order Code	Model
<b>ESG100WALL</b>	Wall Kit
<b>AWK100</b>	Window Kit
<b>ACKS100</b>	Ceiling Kit
<b>ADF2560</b>	Decoration Frame
<b>ACK46</b>	Conversion Kit

## Fan Dimensions (mm)



Casing (mm):

A	B	C	D
30	132	99	193

Hole diameters (mm):

Walls	Ceilings	Windows
107	107	117

## Fan Technical Data

Fan motor	Extract capacity	Trickle dB(A) @ 3m
12V DC, 6W on trickle	216m <sup>3</sup> /h (60 ltrs/sec)	15

## 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