

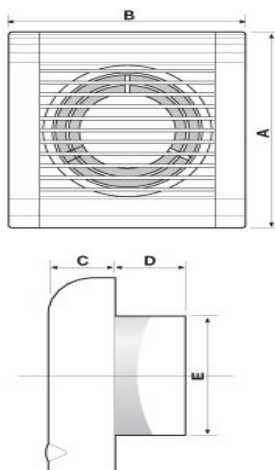
## Envirowise Humidifan - Bathroom Fan SELV HFLV100

### Technical Data Sheet

The SELV Humidifan series of automatic extract fans are designed for the specifier and contract user and, though competitively priced, offers many features only available on more expensive fans.

Three notable features are: ball bearing motor, auto reset thermal cut out and a lifetime guarantee on the sensor head.

The fan incorporates a Dynamic Humidity sensor which is designed to operate the fan when any rapid increase in the relative humidity is sensed. When the water vapour has been extracted and the room returns to the previous humidity level, the Dynamic Controller will switch off the fan.



FAN DIMENSIONS					
Casing (mm)	A	B	C	D	E
	230	200	52	63	148
Hole Diameters (mm)	Walls	158			
	Ceilings	158			
	Windows	188			
FAN TECHNICAL DATA					
Insulation	Double				
Voltage	240v (integral switching power supply)				
Fan motor	12v DC 8.4 watts				
Extract capacity	230m <sup>3</sup> /h (68ltrs/sec) – integral adjustment facility allows increase to max. 350m <sup>3</sup> /h				
Pressure	mm H <sub>2</sub> O 5.1 (max)				
dB (A)	45				
HUMIDITY SENSOR TECHNICAL DATA					
Set point (at manufacture)	65% RH at 20°C (in conjunction with anticipatory control)				
Night time setback	75% RH at 20°C – 85% at 10°C				

### Special Features

- Lifetime guarantee on the humidity sensor
- Three year guarantee
- Ball bearing fan motor
- Integral or remote humidity sensor
- Separate 12v transformer
- Auto reset thermal cut out fuse on fan motor
- Night time set back to inhibit fan running in the silent hours
- Silent integral mechanical backdraught shutters
- Manual over-ride on switch
- Wall, window or ceiling fit
- Dynamic humidity sensor
- Complies with Building Regulations
- Quiet running
- Range of accessories
- Full technical back up

### Operation

Under the control of a microprocessor, the sensor monitors continuously the Relative Humidity (RH) in the room. If there is a sudden rise in RH in the range 40%-75% the sensor activates the fan. After the fan has reduced the RH to the previous humidity level the fan switches off. When the fan is running under sensor and microprocessor control the L.E.D. flashes.

The user can override the automatic monitoring by pulling the cord. In this override on mode, the red L.E.D. lights continuously. This shows the user that the fan is under manual operation. When the cord is pulled again, the sensor and microprocessor take back control of the fan

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### Construction

The Humidifan combines a stylish attractive case with advanced electronic automatic controls. The motor is double insulated and is of the shaded pole type mounted on self-lubricating ball-bearings. The motor incorporates an overload protection device and conforms to EEC Directive 78-889 for radio interference. It will operate in ambient temperatures of up to 40°C. The fan complies to BS3456, BS800 and BS5490. The unit incorporates an electronic humidity sensor.

### Installation

The modular concept of the fan makes it easy to install in a WALL, CEILING or WINDOW.

WALL: easily installed with a wall venting kit comprising a wall sleeve and outside wall grille.

CEILING: time saving, optional ceiling ring available for fitting into plasterboard. 100mm flexible ducting.

WINDOW: single pane or sealed unit easily installed with window kit.

