

new

LoWatt Ventilation - Energy saving solutions

LoWatt T-Series Window Model



Extract/intake fans in 2 sizes: Size 9 and 12

Long life LoWatt motors last twice as long as conventional motors

Patented electronic shutter system ensures quiet trouble free operation

Up to **80% energy saving**

Designed to comply with International Safety Standards

Shutter open only available

Wired or Wire-less fan models available



The LoWatt T-Series range is fitted with a new low energy DC motor, developed to improve performance, lower running costs and maintain T-Series' rugged reliability.

Designed for installation through single or double glazing and material up to 32mm thick. Greater thicknesses can be accommodated using extended fixing rod sets. Alternatively, the T-Series range can be used in conjunction with Vent-Axia ventilation accessories in flexible and rigid ducting systems to suit individual requirements. The fan can also be mounted in a fixing plate on walls or above ceilings.

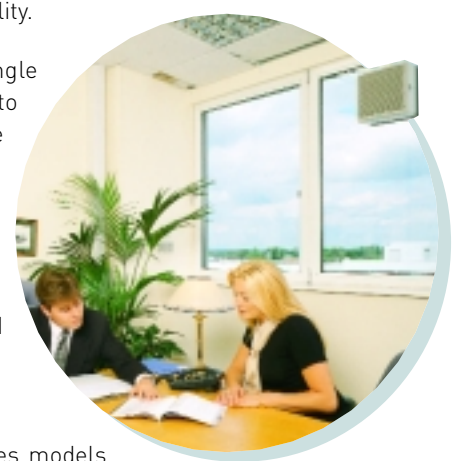
Instantaneous Shutter

With energy saving in mind LoWatt T-Series models are supplied complete with an integral instantaneous automatic louvre shutter concealed behind the interior grille. With a LoWatt T-Series Controller the fan will operate on both extract and intake, suitable for any angle of mounting. The shutter is electronically controlled by an actuator with a damped action giving quiet operation during instant opening and closing. The interlocking edges of the shutter blades provide maximum backdraught protection when the ventilating unit is used with a LoWatt T-Series controller.

Wire-less Control

Every LoWatt T-Series Wire-less FM Controller uses unique digital signals to ensure trouble free operation. The controller will transmit through walls and floors allowing complete flexibility of design to control fans up to 30m away.

Wire-less FM Controllers can dramatically reduce installation time and costs. The Immediate benefit being the elimination of unsightly wiring. Wire-less FM Controllers can be easily installed in a variety of applications including assembly rooms, banks, hospitals, laboratories, restaurants, schools, shops and public houses.



New LoWatt T-Series Controller



Fitting

Fitting through a round hole in the window, LoWatt T-Series is supplied with fixing screws which are finger-tightened to ensure even pressure and a watertight seal on a smooth outside surface.

Guide to thickness of glass - vertical panes				
Type of area	Normal Conditions		Exposed country, coastal, tower	
	Pane size m ²	ft ²	GLASS THICKNESS (mm)	GLASS THICKNESS (mm)
0.5	5.4		3	4
1.0	10.8		4	5
1.5	16.0		5	6
2.0	21.5		6	10

Windows in exposed positions

Where windows are subject to severe wind turbulence such as exposed, coastal positions or high rise buildings, it is sometimes advisable to fit roof models using the external cowl as a wind baffle.

New LoWatt T-Series Controller

LoWatt T-Series Controllers are available in both **Wired** and **Wire-less FM** versions. The three speed push button surface mounted controllers provide intake/extract and shutter only options and auto mode position for use with external sensors.

Wired versions are connected to the fan using a plug-in Safety Extra Low Voltage 2-core signal cable supplied (10m), allowing simple and safe installation. Alternatively, the **Wire-less FM** controller offers full control without the need for any wiring, ideal for premises where installations need to be carried out with minimum disruption or where surface wiring can be classed as unsightly or obtrusive.

Sensors - can be used in conjunction with a LoWatt T-Series Controller

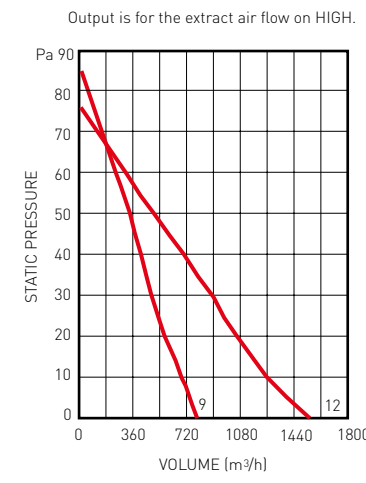
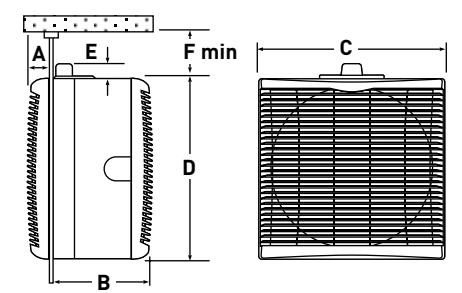
Ambient Response Humidity Sensor - Self programming electronic On/Off wall mounted humidity sensor which reacts to any rapid increase in humidity and temperature. Night time RH increment setback feature

Ecotronic Humidity Sensor - Adjustable set point, solid state controller. Pullcord provides manual override. Adjustable from 65% to 90%RH.

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

Dimensions (mm)

Size	Fixing							Hole	Weight
	A	B	C	D	E	F			
230mm	39	150	304	302	19	54	260	5.35kg	
300mm	41	177	381	378	19	54	337	7.74kg	



Performance

Output is for the extract airflow on HIGH.

Unit size	Type	Stock Ref. No.	Amps @240V (240V)	Extract performance			Watts (high)	dB(A) @ 3m (med)
				LOW m ³ /h	MEDIUM m ³ /h	HIGH m ³ /h		
LoWatt TX9WW	Wire-less	45 61 69	0.35	332	571	761	30.8	40
LoWatt TX9WW		45 61 65	0.35	332	571	761	30.8	40
LoWatt TX12WW	Wire-less	45 61 77	0.73	660	1295	1550	68.6	46
LoWatt TX12WW		45 61 73	0.73	660	1295	1550	68.6	46

Recommended controller. Wire-less Controller Stock Ref. No. 45 58 74
Wired Controller Stock Ref. No. 45 58 73