

Approvals:



CE



2yr Guarantee



Zone 1



Zone 2



Meet the new generation of Xpelair **Slimline SL100** and **SL150** fans, with wall hugging wafer-thin grilles designed for modern living.

Key features

Type: Axial extract fan with wafer thin grille

Application: Domestic bathrooms, shower rooms and toilets

Control options: Pull cord, timer & humidistat

Legislation: Conforms to Building Regulations

Hole size: 100mm (SL100) 150mm (SL150)

The range

Meet the new generation of Xpelair **Slimline SL100** and **SL150** fans, with wall hugging wafer-thin grilles designed for modern living. They are white in colour and are ideal for domestic bathrooms, shower rooms, toilets and other small rooms. With an internal projection of only 15mm, the **Slimline** unit is one of the lowest profile bathroom fans available. For bigger bathrooms **Slimline** is also available in a 150mm size offering performance and style.

For rooms with no opening windows **Slimline SL100** is available with a built-in overrun timer. Humidistat models are available for shower rooms and heavily used bathroom applications. Ordering is straight-forward: simply select the size and control option required, then add the appropriate window or wall kit.

But the **Slimline** range doesn't just have a pretty face, installation is simple too. All **Slimline** models have two adjustable QuickClamp fixings which make traditional wall plug and screw fixings a thing of the past.

The IPX4 rated units fully meet the requirements of the Building Regulations for bathrooms, toilets and kitchens and the IP requirements for zone 1 and zone 2 as defined by the IEE Wiring Regulations (16th Edition) BS7671:2001. All models are suitable for a supply voltage of 220-240V 50Hz and ambient temperatures up to 40°C.

Models

SL100

Ref. 91225AW:

- Single speed axial fan
- Operated by remote switch (in a bathroom normally a separate pullcord or lighting circuit)
- Colour: White

SL100P

Ref. 91226AW:

- Single speed axial fan with pullcord
- Operated by integral On/Off pullcord switch
- Colour: White

SL100T

Ref. 91227AW:

- Single speed axial fan with timer
- Timer triggered by remote switch-usually the lighting circuit
- Timer variable from 3-15mins
- Colour: White

SL100HT

Ref. 91228AW:

- Single speed axial fan with humidistat and overrun timer
- Built in adjustable humidistat
- Integrated overrun timer eliminates nuisance tripping
- Timer variable from 45s-15mins
- Colour: White

SL150

Ref. 91229AW:

- Single speed axial fan
- Operated by a remote switch, usually a lighting circuit
- Colour: White

SL150P

Ref. 91230AW:

- Single speed axial fan with pullcord
- Operated by integral On/Off pullcord switch
- Colour: White

SL150HT

Ref. 91231AW:

- Single speed axial fan with humidistat and overrun timer
- Built in adjustable humidistat
- Integrated overrun timer eliminates nuisance tripping

- Timer variable from 45s-15mins
- Colour: White

Controllers

Passive Infrared Sensor XPIRA

Ref. 21871AA

- Activates fan via body movement
- Ideal for infrequently used public spaces
- Built in timer to prevent nuisance tripping

Remote Time Delay Unit DT20B

Ref. 21850AW

- User adjustable run-on timer (2-20mins)

Technical specification

The unit is to be supplied from the Xpelair SL100 & SL150 range by Applied Energy Products Ltd, Morley Way, Peterborough PE2 9JJ
Tel. +44 (0)1733 456789

Model / Ref

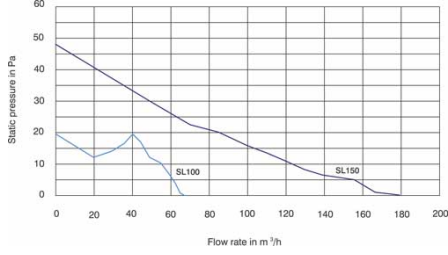
SL100 / 91225AW
SL100P / 91226AW
SL100T / 91227AW
SL100HT / 91228AW
SL150 / 91229AW
SL150P / 91230AW
SL150HT / 91231AW

- The unit shall be designed for wall, ceiling, shaft (or window mounting in glass up to 6mm thick) using the kit provided
- Shall be designed so that the front grille thickness is no more than 15mm
- The fan housing shall be moulded in high gloss white ABS and be of modern design with finger guarding for additional safety protection
- The motor shall be lubricated for life with built in safety thermal overload protection
- The unit shall be rated at IPX4 and a double insulated appliance
- In addition it shall conform to Building Regulations for use in toilets and bathrooms
- P models shall include integral pullcord
- T models shall include integral timer control (3 - 15mins)
- HT models shall include integral humidity control (45 - 99%RH) and timer control
- Dimensions shall be W x H x D:
SL100 - 140mm x 140mm x 98mm (front cover 10mm)
SL150 - 190mm x 190mm x 112mm (front cover 15mm)

Product variations

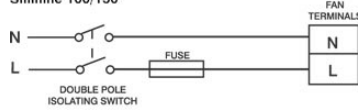
	SL150HP	SL150HT	SL150P	SL150	SL100HT	SL100T	SL100P	SL100
Reference number	91496AW	91231AW	91230AW	91229AW	91228AW	91227AW	91226AW	91225AW
Remote switch (supplied)	no	no	no	yes	no	yes	no	yes
Integral pullcord	yes	no	yes	no	no	no	yes	no
Integral timer (adjustable up to 15 mins)	yes	yes	no	no	yes	yes	no	no
Integral humidity sensor (45-99% RH)	yes	yes	no	no	yes	no	no	no
Extract performance (FID, m ³ /h)	218	180	180	180	67	67	67	67
Extract performance (FID, l/s)	60	50	50	50	18.5	18.5	18.5	18.5
Sound pressure level (dB(A)@3m)	43	43	43	43	39	39	39	39
Electrical power rating (W)	37	25	25	25	15	15	15	15
Weight (kg)	0.4	0.9	0.9	0.9	0.6	0.6	0.6	0.6
IP rating	IPX4	IPX4	IPX4	IPX4	IPX4	IPX4	IPX4	IPX4
Guarantee (years)	2	2	2	2	2	2	2	2

SL100:

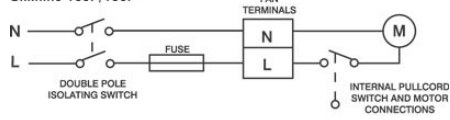


Performance:

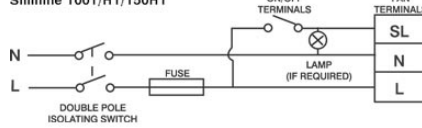
Slimline 100/150



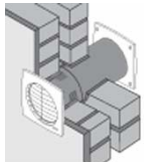
Slimline 100P/150P



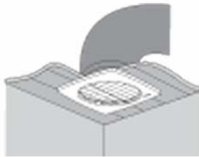
Slimline 100T/HT/150HT



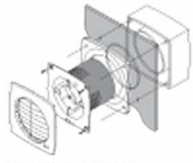
Wiring:



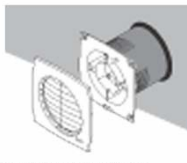
Wall mounting
Hole diameter
= 100mm (SL100)
= 150mm (SL150)



Ceiling mounting
Hole diameter
= 100mm (SL100)
= 150mm (SL150)

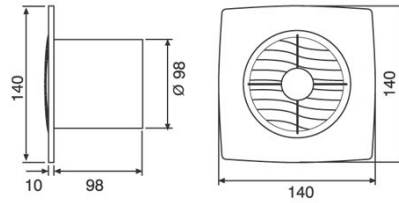


Window mounting
Hole diameter
= 100mm (SL100)
= 150mm (SL150)

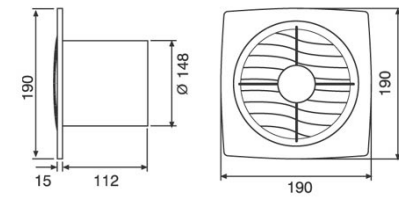


Ducted applications
Hole diameter
= 100mm (SL100)
= 150mm (SL150)
Duct diameter
= 100mm (SL100)
= 150mm (SL150)

SL100 Range



SL150 Range



Installation:

Dimensions: All dimensions in mm



- **SL100**
- **SL100T**
- **SL150**
- **SL150HT**

- **SL100P**
- **SL100HT**
- **SL150P**

Slimline Axial Fan Range
Installation and maintenance instructions



SLIMLINE Series IPX4

INSTALLATION:

Begin the installation by making a circular opening of 100 mm (SL100), 150 mm (SL150) diameter in the ceiling or wall where the extractor is to be installed.

Remove the front cover (A) by removing screw (SL150 only) and pressing the catch (1) with the tip of a screwdriver until it is freed and then pulling it forward. Place the exhaust conduit (D) in the hole in the ceiling or wall for exhaust of the air.

Fix the base of the housing (B) in place using the plugs and screws provided. It may also be fixed to the interior of the ceiling using the 2 quickfit. Loosen the screws (4) until the wedges (5) are fully concealed in the housings (6) and can be easily introduced inside the pipe. Tighten the screws until the wedges (5) firmly fix the extractor to the exhaust conduit.

Note: - All installations must be supervised by a qualified electrician. Installations and wiring must conform to current IEE regulations (UK), local or appropriate regulations (other countries).

— Do not install the exhaust pipe (D) of the extractor unit to a chimney, ventilation pipe or hot air conduit.

Before connecting the unit to pipelines, consult the local municipal regulations regarding exhaust air and ask the permission of the person in charge of the building.

— Make sure that the ventilation is appropriate, especially when the extractor is used in conjunction with an appliance with a combustion chamber.

— This extractor is designed for the ventilation of homes or similar premises.

— Do not use in premises where the room temperature is above 40°C.

— This extractor does not cause any interference in radio/television sets (C.E.E. regulation No. 89/336).


ELECTRICAL CONNECTION:

The unit must be connected to a single phase mains power supply network at the voltage and frequency indicated on the rating plate of the extractor unit.

The electrical installation must include a double pole isolating switch with a distance between contacts of at least 3 mm. Make the electrical connection by loosening the screw (2) until the cover (3) is free and connect the power supply cables to the connection strip (E), the blue cable to N and the brown cable to L.

Replace the cover (3), fixing it in place with the screw (2) and finally press home the cover (A) until it is firmly held by the clip (7) and the catch (1) (Fig. T). Refit the screw (SL150 only).

The appliance must be permanently connected to a fixed electrical supply installation using twin conductor cable of at least 1 mm² in section and a maximum of 1.5 mm².

No earth installation is required as the appliance has double insulation. (Class II).  IPX4

NOTE: TIMER and HUMIDITY connection

Must be carried out by following the wiring diagram for SL100T / SL100HT / SL150HT.

Connect the wires to the connection strip by using a pointed instrument (the tip of a screwdriver for example) to apply pressure to (x) (x1, x2, x3) and pushing the striped wires (L, N, SL) into the holes (y) (y1, y2, y3).

SL100T IPX4

Adjust the timer by turning the knob (4) in a clockwise direction to increase the operating time (3' – 15').

SL100HT and SL150HT IPX4

Adjust the operating time by turning the red knob (4) in a clockwise direction.

Adjust the level of humidity by turning the blue knob (5) in a clockwise direction to increase the level.

The Slimline HT series incorporate a LED indicator. The LED is lit when the extractor is functioning either activated by the switch fitted to the appliance itself or another, exterior switch. When the extractor is activated by the level of humidity the LED is not lit. When the extractor is not operating the LED does not light.

SL100P and SL150P IPX4

This model is fitted with a Start/stop pull-switch (6) (Fig. P).

Wiring Diagrams

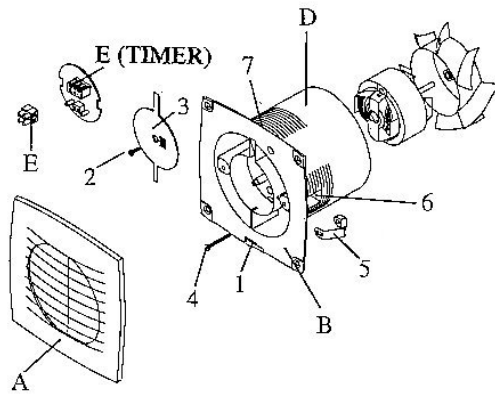
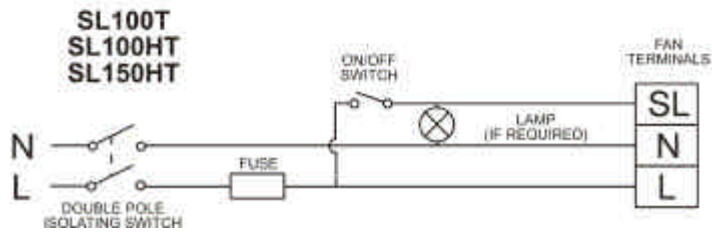
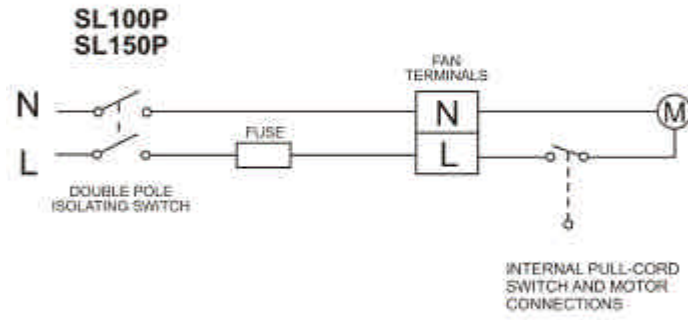
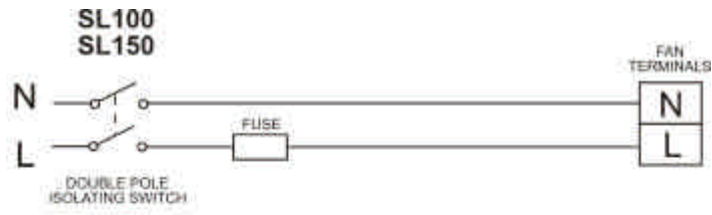
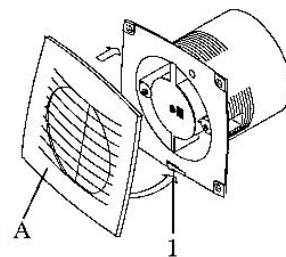
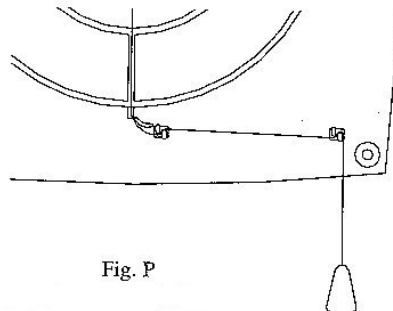
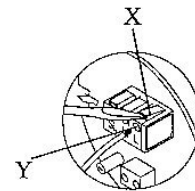


Fig. T



Pull switch circuit

Do's and don't's

- Do read all the instruction leaflet before commencing installation.
- Do install each fan with a double pole isolating switch.
- Do make sure the mains supply is switched off before attempting to make electrical connections or carry out any maintenance or cleaning

Guarantee

Customers outside UK – see international below.

- UK: The fan is guaranteed against defects for 2 years from the date of purchase.
- Please keep your purchase receipt.
- If you have any problems, contact Xpelair's Head Office at the address shown below.

Technical advice and service

Customers outside UK – see international below.

UK: Xpelair have a comprehensive range of services including:

- Free technical advice help-desk from Engineers on all aspects of ventilation
- Free design service, quotations and site surveys
- Service and maintenance contracts to suit all requirements.

Please ask for details:

- By telephone on Techline:+44 (0) 8709 000430
- By fax on Techfax:+44 (0) 8709 000530
- At the address below

International

- Guarantee: Contact your local distributor or Xpelair direct for details.
- Technical Advice and Service: Contact your local Xpelair distributor



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