

Xpelair Simply Silent™ DX100B Fan

Installation and Maintenance Instructions

DX100BR (92997AW) / DX100BS (93017AW)

DX100BTR (92998AW) / DX100BTS (93018AW)

DX100BHTR (92999AW) / DX100BHTS (93019AW)

DX100BPR (93001AW) / DX100BPS (93002AW)

Standard

Timer

Humidistat, Timer

Pull Cord

DX100B Range Round Fan



DX100B Range Square Fan



- Do read the entire instruction leaflet before commencing installation.
- Do install each fan with a means for disconnection in all poles in the fixed wiring.
- Do make sure the mains supply is switched off before attempting to make electrical connections or carry out any maintenance or cleaning.

Please leave this leaflet with the fan for the benefit of the user.

UK customers:

If you have any queries before or after installing this product call the Xpelair Technical Hotline +44 (0) 344 879 3588 or e-mail customer.services@glendimplex.com. Our engineers are there to help you during normal office hours.

Customers outside the UK should contact your local Xpelair distributor.



This appliance is intended for connection to fixed wiring.

Check that the electrical rating shown on each fan matches the mains supply.

THE APPLIANCE IS DOUBLE INSULATED AND DOES NOT REQUIRE AN EARTH CONNECTION.

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).

This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning the use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and maintenance of the appliance shall not be made by children.



All Xpelair Simply Silent™ DX100B AC fans have the following features:

- Two speed extraction (selectable at installation)

DX100BR/DX100BS

- Operate the fan using an on/off switch (not supplied).

DX100BTR/DX100BTS*

- Built-in timer operates fan for a preset delay from 30 seconds to 30 minutes.

DX100BHTR/DX100BHTS*

- Operates when triggered automatically by the integral humidity sensor, or by using an external on/off switch (not supplied).

In automatic mode: the built-in timer automatically operates the fan for a pre-set delay time from 30 seconds to 30 minutes once humidity drops below the pre-set Relative Humidity (RH) value.

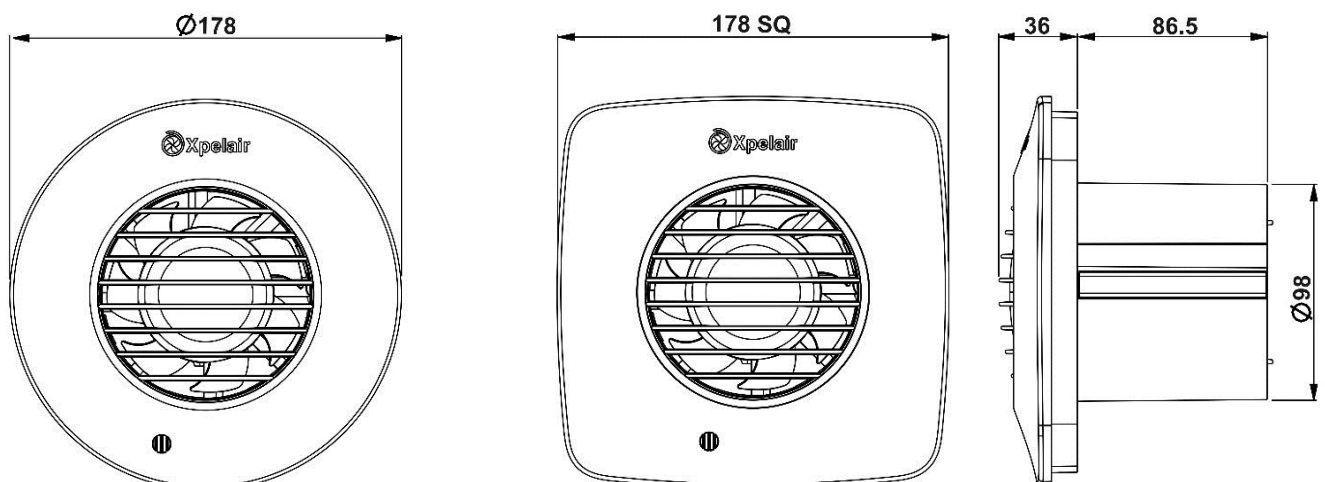
External operation: When switched off using the external on/off switch the fan continues to run for the pre-set delay from 30 seconds to 30 minutes.

DX100BPR/DX100BPS

- Operate the fan using an integral pull-cord.

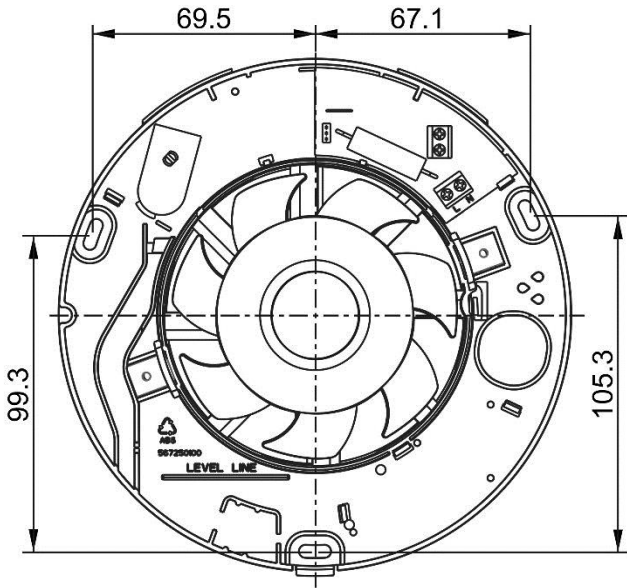
* **Factory settings:** Timer 15 minutes, RH 75%

Overall Dimensions (mm)



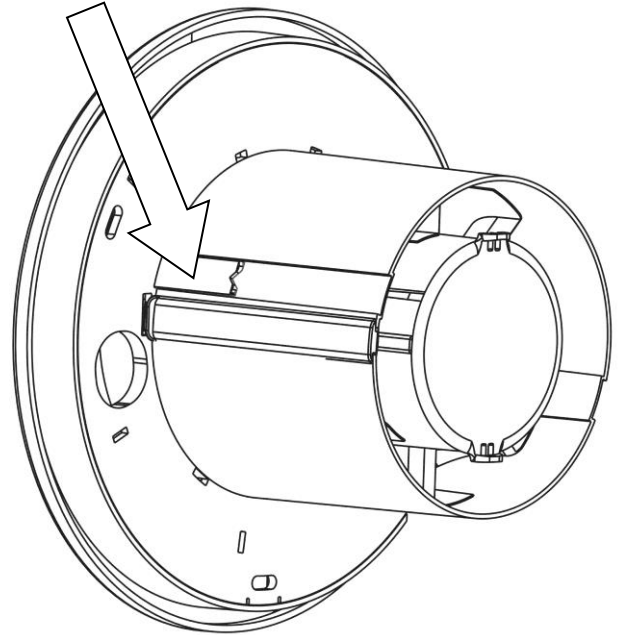
Back plate fixing positions

A



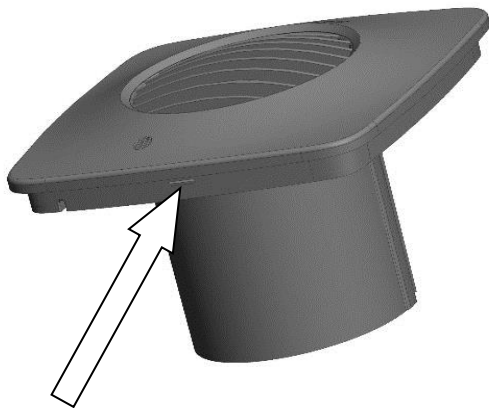
Wall tube quickfix clamps

B



Front Cover Removal

C



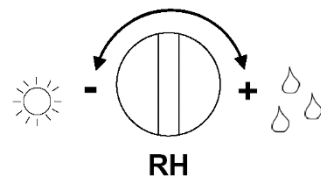
Depress Cover Latch with tool & remove Cover

IMPORTANT - PLEASE READ

D

Adjusting the humidity setting

Fan switches on at lower level of condensation (anti-clockwise)



MORE SENSITIVE (RH = 50%)

Fan does not switch on until higher level of condensation (clockwise)

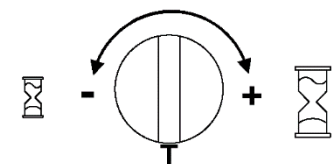
LESS SENSITIVE (RH = 95%)



Factory settings: Timer 15 minutes, RH 75%

Adjusting the run on timer setting

Fan runs on for a shorter time when the external switch is turned off

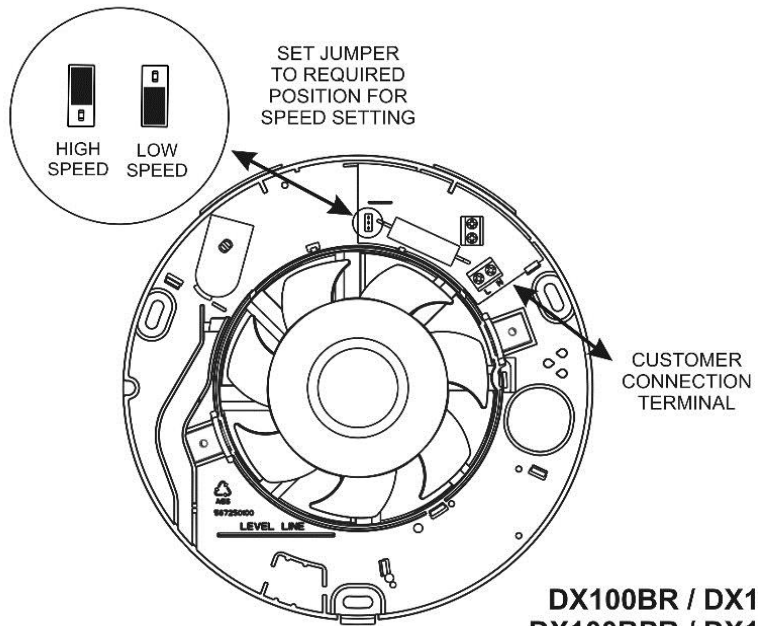


Fan runs on for a longer time when the external switch is turned off

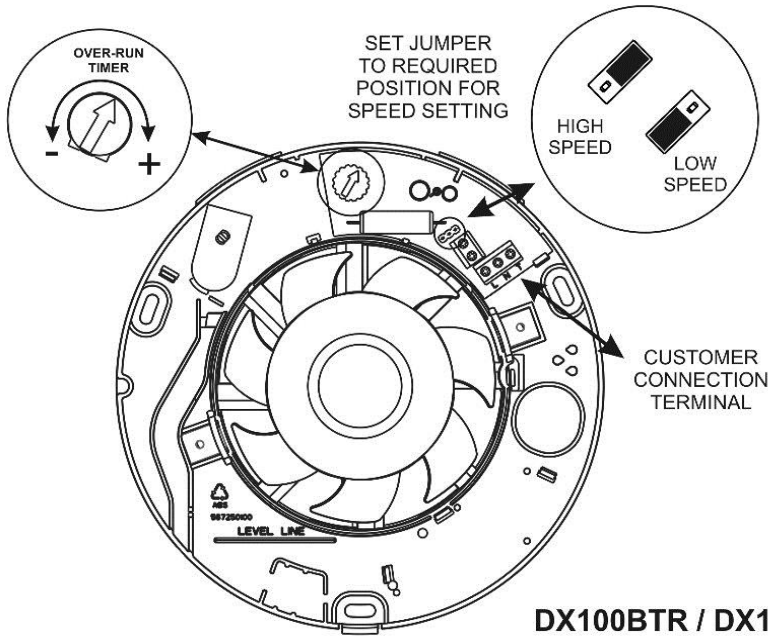
Minimum 30 seconds

Maximum 30 minutes

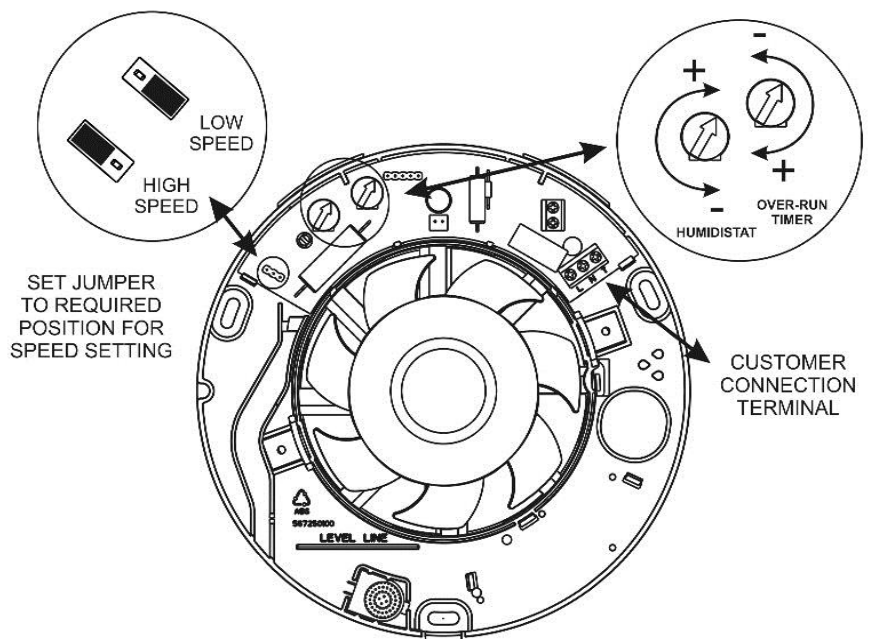
Wiring and setting up



**DX100BR / DX100BS
DX100BPR / DX100BPS**



DX100BTR / DX100BTS



DX100BHTR / DX100BHTS

6. Install the isolating switch and on/off switch (if required).
7. Make all connections within the isolating switch and the on/off switch (if required).



Wet Rooms: On/Off switch must be situated so that it cannot be touched by persons making use of the bath or shower.

For Australia Only – DX100BR / DX100BS / DX100BPR / DX100BPS

Connection to the supply can be made by a flexible 2-core cable complete with 3 pin plug for insertion into an approved 10A GPO or directly wired through an approved 10A wall mounted surface switch with at least 3mm clearance between contacts.

For Australia Only – DX100BTR / DX100BTS / DX100BHTR / DX100BHTS

These models are permanently connected to the supply and operation is controlled by a remote switch. They should be directly wired to the supply through an approved 10A wall mounted surface switch with at least 3mm clearance between contacts.

Preparing the Fan for installation.

1. Remove the front cover by depressing the latch on the underside of the cover and pulling off the front cover from the bottom (See Figure C).



If working above ground floor level, safety precautions must be observed.

The fan may be fixed to a wall tube using the clamping brackets. Tighten the screws until the fan is firmly secured to the tube – see figure B.

Alternately the fan back-plate can be fixed directly to the wall using the screws and wall plugs supplied as described below.

Mark the position of the back-plate

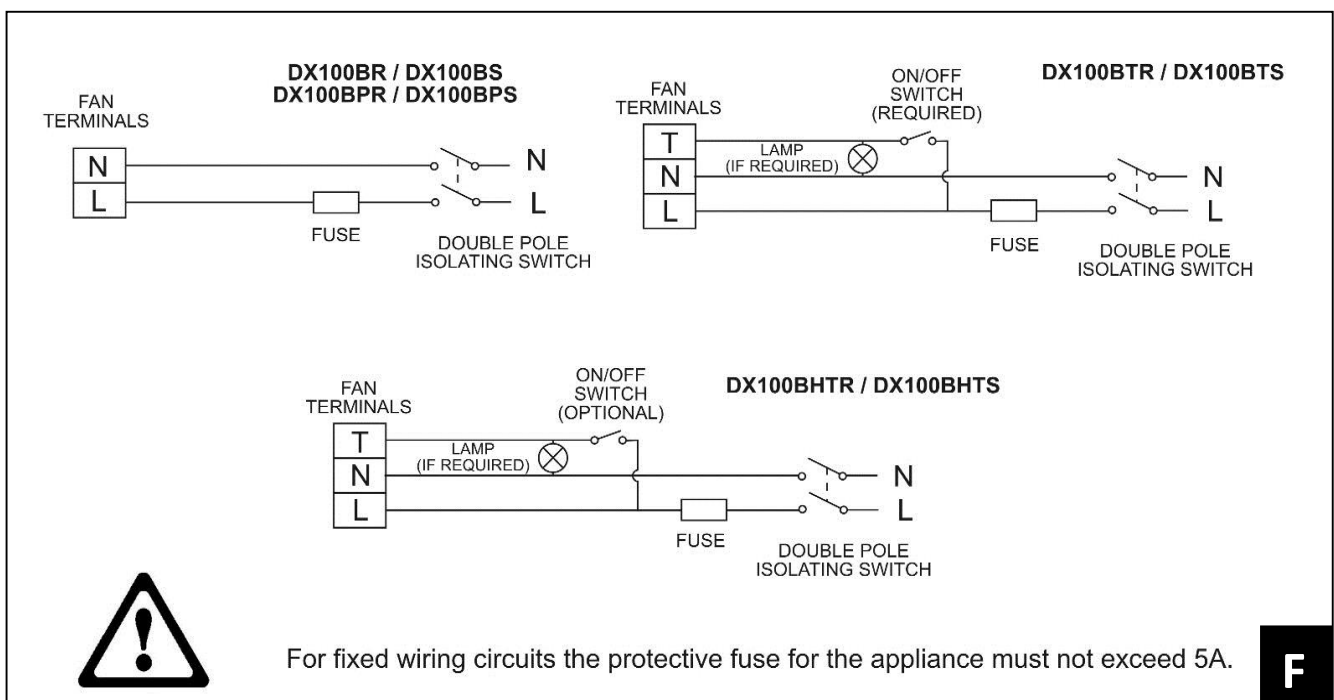
2. Hold the back-plate so that the level line marked on it is orientated horizontally.
3. Carefully insert the fan tube into the wall duct.
4. Mark on the wall the positions of the fixing holes in the back-plate.
5. Remove the back plate from the ducting.
6. Drill screw holes in these positions if necessary, and fit wall plugs and screws as required.



If installing in a ceiling, appropriate termination ancillaries are required. Follow instructions provided.

Mount the back-plate.

7. Feed the mains cable through the cable entry hole in the back plate to the terminals.
8. Insert the fan tube of the back-plate into the wall duct/ceiling as before.
9. Fasten the back-plate to the wall/ceiling using appropriate fasteners. See figure A.
10. If using screws, do not over tighten.



Wire the electrical connections.

11. Make sure the mains supply is isolated. Switch off the mains electrical supply and remove fuses.
12. Feed the cable to the terminal block. Wire the fan as shown in Figure F using the diagram appropriate to the fan model.
13. Connect the cable from the isolating switch to the electrical supply wiring.

Fan Settings.

SPEED SETTING

The fans are factory set to low speed, but have two speed settings for different applications. Select either high or low speed by connecting the jumper between the centre and high or low speed pin on the jumper (see Figure E)

DX100BTR / DX100BTS Only.

- To adjust the over-run period turn the control (T) clockwise to increase and anti-clockwise to decrease – see Figure D.

DX100BHTR / DX100BHTS – see figures D and E.

- The pre-set humidity operation is factory set at approximately 75% Relative Humidity (RH), but can be adjusted between 65% and 85% RH by control H.
- The over-run timer is factory set at 15 minutes but can be adjusted from 30 seconds to 30 minutes by control T.
- Turn the controls clockwise to increase RH or time and anti-clockwise to decrease.

Using the fan.

DX100BR / DX100BS Only

- Operate the fan using the on/off switch (not supplied). Repeat to switch off.

DX100BTR / DX100BTS Only

- Operate the fan using an on/off switch (not supplied). Note – the fan may take up to 10 seconds to turn on once the switch has been operated. When the switch is turned off, the fan continues to operate for the set time delay. To adjust the over-run period, turn the control “T” clockwise to increase and anti-clockwise to decrease – see Figure D.

DX100BHTR / DX100BHTS Only.

- **Automatic mode** - The fan automatically adjusts to slow changes in natural humidity levels without operating the fan. If the humidity levels increase at a rate slower than 5% RH in 5 minutes, up to the pre-set humidity level, the fan will not be triggered by humidity. This is to prevent nuisance triggering of the fan. If humidity levels increase quicker than 5% RH in 5 minutes the fan will operate. When relative humidity drops the fan continues to operate for the adjustable time delay.
- **External operation** - Use the external on/off switch. When the fan is switched off, the fan continues to operate for the adjustable time delay then goes into automatic mode.

DX100BPR / DX100BPS Only

- Operate the fan by pulling and releasing the cord. Repeat to switch off.

All Fans

Re-fit the front cover by hooking in the top first, and then swing the cover down to clip into place.

Cleaning (recommended once a month).



1. Before cleaning, isolate the fan completely from the mains supply.
2. Remove the front cover by depressing the latch on the underside of the cover and pulling off the front cover from the bottom.
3. To clean the front cover, either wipe it with a damp, lint free cloth or wash it with warm soapy water. Thoroughly dry the front cover and refit.
4. Do not immerse the fan in water or other liquids to clean any other parts of the fan.
5. Do not use strong detergents, solvents or chemical cleaners
6. Allow fan to dry thoroughly before use.
7. Apart from cleaning, no other maintenance is required.



Disposal

This product should not be disposed of with household waste.
Please recycle where facilities exist.
Check with your local authority for recycling advice.

Warranty.

UK only:

Xpelair products deliver reliable service for normal, household use in domestic settings. All Xpelair products are individually tested before leaving the factory.

If you are a consumer and you experience a problem with your Xpelair product, which is found to be defective due to faulty materials and workmanship within the warranty period, This Xpelair warranty will cover repair or at the discretion of Xpelair replacement with a functionally equivalent Xpelair Product.

The Xpelair warranty period is Two calendar years from the date of purchase of your Xpelair product, or the date of delivery of the product, if later. The Xpelair warranty is conditional upon you providing the original purchase receipt proof of purchase. Please therefore retain your receipt as proof of purchase.

If you do experience a problem with your Xpelair product please call the helpline on **+44 (0)344 879 3588** or at the address below. We will need details of your Xpelair product, and a description of the fault which has occurred. Once we receive your information and proof of purchase we will contact you to make the necessary arrangements.

Customers outside UK - See International below.

If your Xpelair product is not covered by this Xpelair warranty there may be a charge to repair your product. However, we will contact you for an agreement to any charges before any chargeable service is carried out.

What is not covered by an Xpelair warranty?

The Xpelair warranty does not cover any of the following:

Any fault or damage to your Xpelair product due to faulty materials or workmanship occurring outside the Two year warranty Period.

Any fault or damage occurring to any pre-owned Xpelair product or to any other equipment or property.

Accidental damage to your Xpelair product or damage to your Xpelair product from external sources (for example, transit, weather, electrical outages or power surges).

Fault or damage to your Xpelair product which is:

Not due to faulty materials or workmanship or which is due to circumstances outside Xpelairs control.

Caused by use of your Xpelair product for anything other than normal domestic household purposes in the country where it was purchased.

Caused by any misuse, abuse or neglect use of the Xpelair product, including but not limited to any failure to use it in accordance with the Operating Instructions supplied with the product.

Caused by any failure to assemble, install, clean and maintain your Xpelair product in accordance with th Operating Instructions supplied with the product unless this was carried out by Xpelair or its authorised dealers.

Caused by repairs or alterations to your Xpelair product not carried out by Xpelair service personnel or its authorised dealer(s).

Caused by use of any consumables or spare parts for your Xpelair product which are not Xpelair specified.

Terms and Conditions

The Xpelair warranty is valid for Xpelair from the date of purchase of your Xpelair product from a recognised retailer in the country of purchase and use, or the date of delivery of the product if later, always provided the original receipt has been retained and is produced as proof of purchase.

You must provide to Xpelair or its authorised agents on request the original receipt as proof of purchase and - if required by Xpelair - proof of delivery. If you are unable to provide this documentation, you will be required to pay for any repair work required.

Any repair work under the Xpelair warranty will be carried out by Xpelair or its authorised dealer(s) and any parts that are replaced will become the property of Xpelair. Any repairs performed under the Xpelair warranty will not extend the warranty period.

Any replacement of your Xpelair product by Xpelair during the warranty period will start the Two year warranty period afresh from the date of delivery of the replacement Xpelair product to you.

The Xpelair warranty does not entitle you to recover of any indirect or consequential loss or damage including but not limited to loss or damage to any other property.

The Xpelair warranty is in addition to your statutory rights as a consumer and your statutory rights are not affected by this Xpelair warranty.

Contact Xpelair

If you have any questions about what the Xpelair warranty covers and does not cover or how to claim under Xpelair warranty, please contact us using the information below.

Contact details

Glen Dimplex UK Ltd,
Millbrook House, Grange Drive, Hedge End, Southampton, SO30 2DF
Telephone: +44 (0) 344 879 3588
Email: customer.services@glendimplex.com
Web: www.xpelair.co.uk

Glen Dimplex Europe Limited,
Airport Road, Cloghran, Co. Dublin, K67 VE08.
Telephone: +353 (0)1 8523400
Email: serviceireland@glendimplex.com

International

Warranty: Contact your local distributor or Xpelair direct for details.

Technical advice and service: Contact your local Xpelair distributor.

Xpelair: A brand of Glen Dimplex Heating and Ventilation

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For electrical products sold within the European Community. At the end of the electrical products useful life it should not be disposed of with household waste. Please recycle where facilities exist. Check with a Local Authority or retailer for recycling advice in your country. Batteries should be disposed of or recycled in accordance with WEEE Directive 2012/EU. Packaging should be recycled where possible.



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