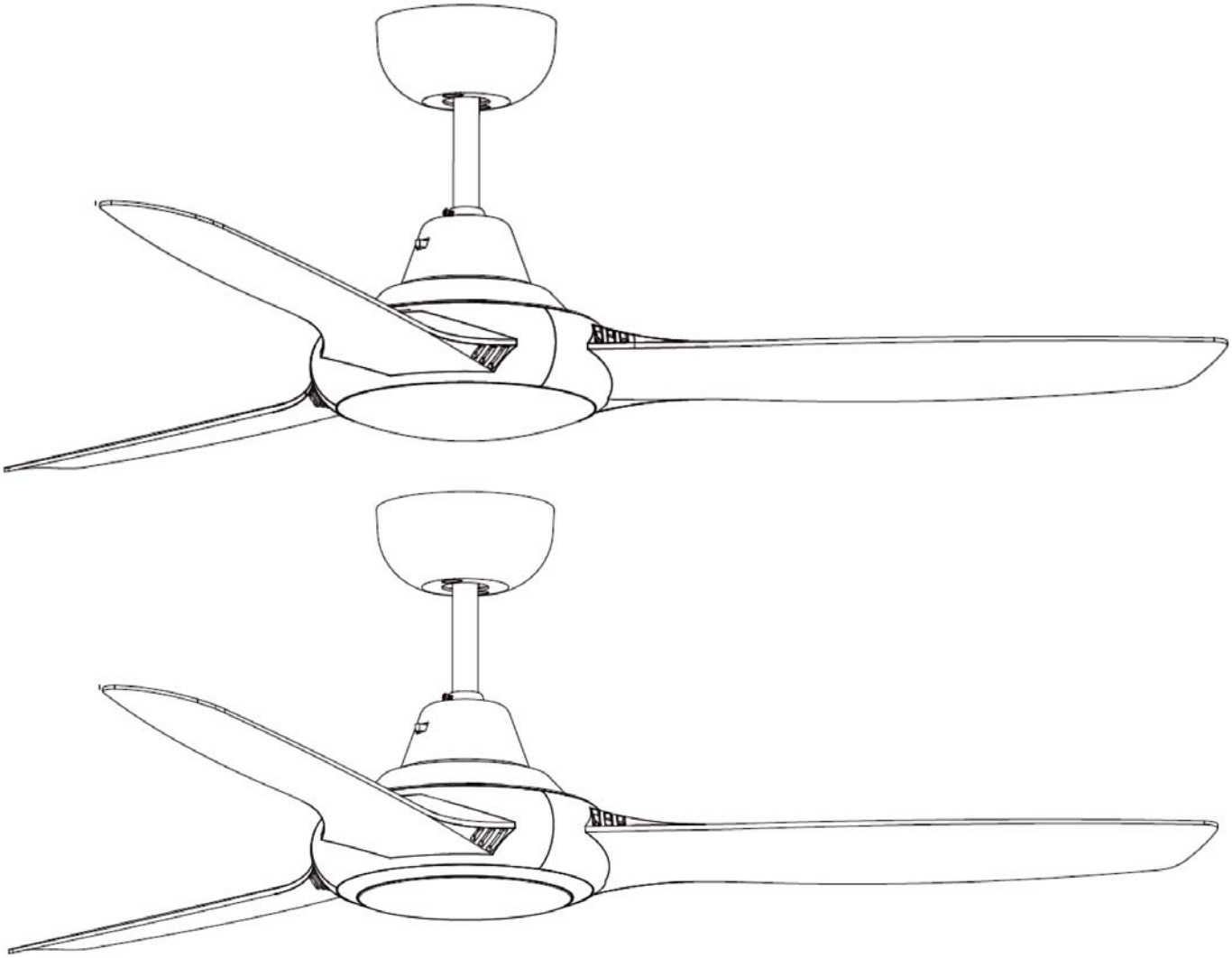
DEKA™

DC CEILING FAN INSTALLATION MANUAL

3 Blade 40W DC Ceiling Fan with or without LED Light – Tri-colour



EVOII DC FAN Series

Models: EVOII50BKDC; EVOII50WHDC; EVOII50LED1BKDC; EVOII50LED1WHDC; EVOII58BKDC; EVOII58WHDC; EVOII58LED1BKDC; EVOII58LED1WHDC

CAUTION
Read Instructions carefully for safe installation and fan operation

- INSTALLATION
- OPERATION
- MAINTENANCE
- WARRANTY INFORMATION

DIY MUST BE INSTALLED BY A LICENSED ELECTRICIAN

THANK YOU FOR PURCHASING

Thank you for purchasing this quality DEKA product. To ensure correct function and safety, please read and follow all instructions carefully before assembly, installation and use of this ceiling fan. Please keep instructions for future reference.

SAFETY PRECAUTIONS

1. The appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning the use of the appliance by a person responsible for their safety.
2. Children should be supervised to ensure that they do not play with the appliance.
3. An all-pole disconnection switch must be incorporated into the fixed wiring, in accordance with local wiring rules.

IN AUSTRALIA WARNING:

FOR SAFE USE OF THIS FAN AN ALL-POLE DISCONNECTION MUST BE INCORPORATED INTO THE FIXED WIRING IN ACCORDANCE WITH THE WIRING RULES.

As outline in clause 7.12.2 of AS/NZS 60335-1 for meeting the minimum electrical safety of this standard.

Please note warranty will be void if installation is without a means for an all-pole disconnection incorporated in the fixed wiring in accordance with the wiring rules.

Example: If a fan is connected to a circuit that can be isolated via an all-pole safety switch at the switchboard, then this is considered to be an all-pole disconnection to the ceiling fan electrical circuit, meeting the requirements of clause 7.12.2 of AS/NZS 60335.1.

A single-pole switch on the active of the receiver input of remote control must also be included in the wiring, and located the same room as the ceiling fan.

4. not dispose of electrical appliances as unsorted municipal waste, use separate collection facilities. Contact your local government for information regarding the collection systems available. If electrical appliances are disposed of in landfills or dumps, hazardous substances can leak into the ground water and get into the food chain, damaging your health and well-being.
5. The structure to which the fan is to be mounted must be capable of supporting a weight of 30kg.
6. The fan should be mounted so that the blades are at least 2.1 m above the floor in Australia.

SAFETY PRECAUTIONS CONT'

7. This fan is suitable for indoor, alfresco and coastal areas where the fan is fully undercover with a minimum of 1 wall. This fan is not waterproof. When installed in an alfresco or coastal area, the ceiling fan must be positioned in a location protected from water, wind and dust. Exposure to these elements will void the warranty. Mounting the fan in a situation where it is subject to water or moisture is dangerous and may increase the risk of damage, injury or electrical shock and will void the warranty.

8. Must be assembled and installed by a licensed electrician.

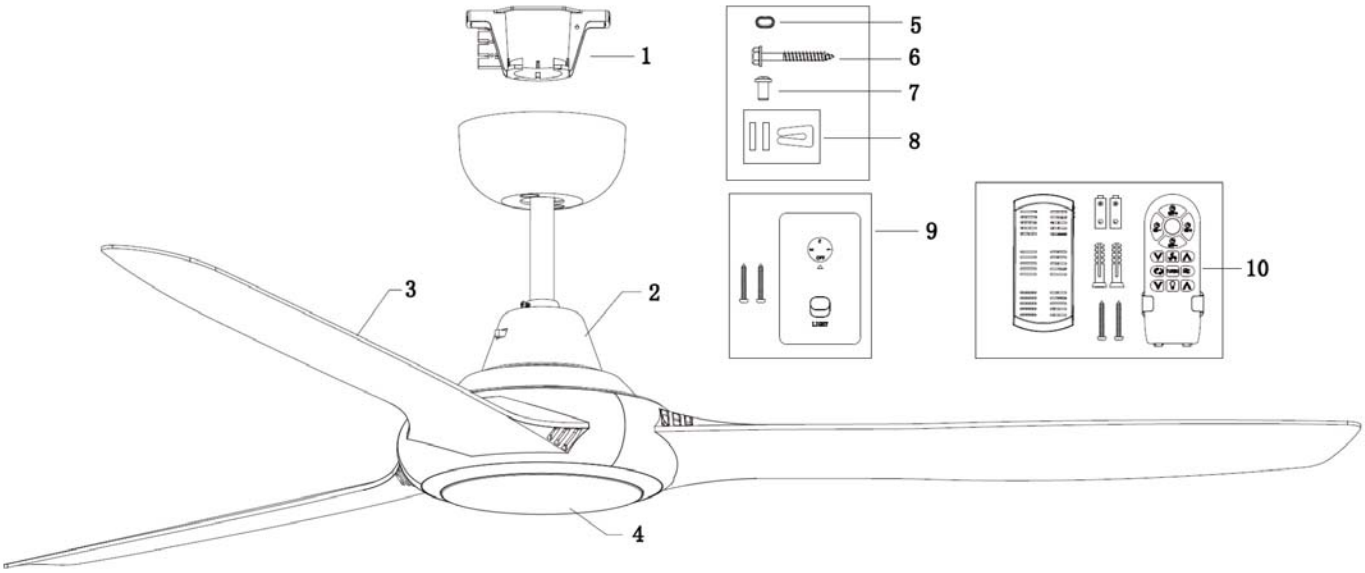
9. WARNING: If unusual wobbling or oscillating movement is observed, immediately stop using the ceiling fan and contact the manufacturer, its service agent or suitably qualified persons.

10. The replacement of parts of the safety suspension system device shall be performed by the manufacturer, its service agent or suitably qualified persons.

11. The fixing means for attachment to the ceiling such as hooks or other devices shall be fixed with a sufficient strength to withstand 4 times the weight of the ceiling fan; that the mounting of the suspension system shall be performed by the manufacturer, its service agent or suitably qualified persons.

PARTS LIST

- Unpack the fan and carefully identify the parts. Please refer below.
- Check whether the ceiling fan has been damaged during transport. Do not operate/install any product which appears damaged in any way. Return the complete product to the place of purchase for inspection, repair or replacement.



PARTS LIST CONT'

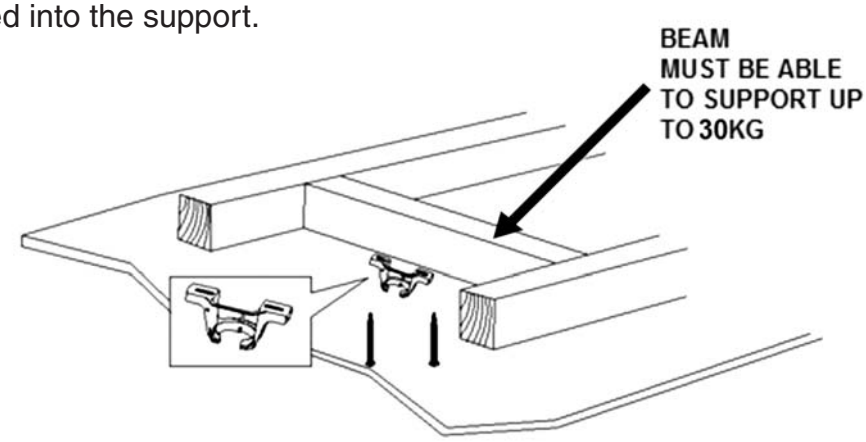
Parts list	
1	Mounting bracket x 1
2	Fan assembly with motor, down rod and canopy x 1
3	Blade x 3
4	Bottom cover x 1
5	Canopy decorative button x 2
6	Screw for mounting bracket x 2
7	Blade screw x 12 (and 1 spare)
8	Balancing kit x 1 set
9	Wall controller x 1
10	Remote x 1 set

PRODUCT SPECIFICATIONS

Voltage		220-240V~ 50Hz
Power consumption		40W
Electrical classification		I
Motor	50”	Ø153x8mm DC motor
	58”	Ø153x15mm DC motor
Blade		3
Blade pitch	50”	10.5°
	58”	10°
Control		Remote control / DC Wall controller
Speeds		7 speeds + Turbo
Body material		ABS
Blade material		ABS
Weight	EVOII50BKDC	4.6kg
	EVOII50WHDC	
	EVOII58BKDC	5.3 kg
	EVOII58WHDC	
	EVOII50LED1BKDC	4.8 kg
	EVOII50LED1WHDC	
	EVOII58LED1BKDC	5.5kg
	EVOII58LED1WHDC	
Lamp specification		
Light		20W
CCT		3000K, 4000K, 5000K
CRI		>80

INSTALLING THE MOUNTING BRACKET

- The ceiling fan must be installed in a location so that the blades are spaced 300mm from the tip of the blade to the nearest objects or walls.
- Install the hanging bracket to the ceiling joist or structure that is capable of carrying a load of at least 30kg, with two long screws provided. Ensure at least 30mm of the screw is threaded into the support.



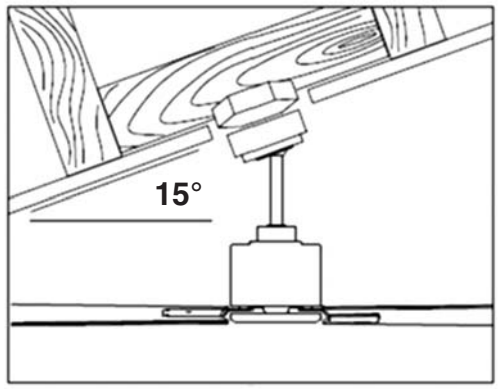
NOTE: THIS PICTURE IS FOR REPRESENTATION ONLY AND DOES NOT REPRESENT THE ACTUAL BRACKET.

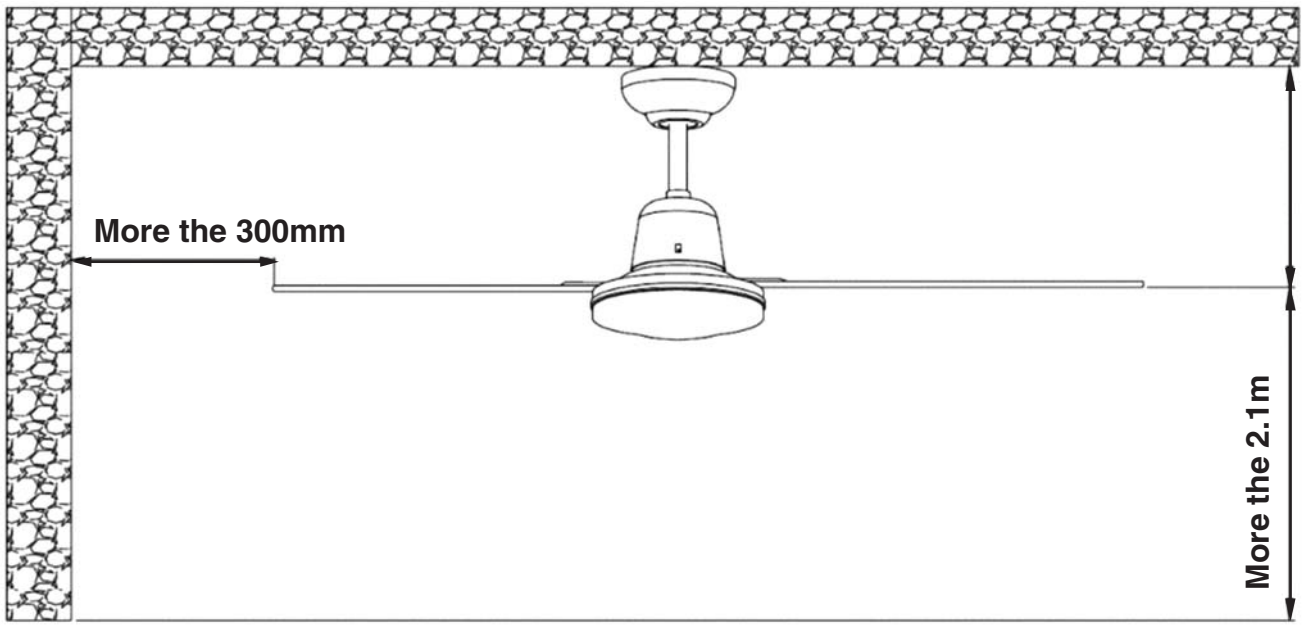
NOTE: The bracket screws provided are for use with wooden structures only. For structures other than wood, the appropriate screw type MUST be used. Ensure the screws used are suitable for the mounting surface and the surrounding environment.

ANGLED CEILING INSTALLATION

This fan hanging system supports a maximum 15° angled ceiling installation.

Warning: Ceiling fan must be mounted so that blades are 2.1m from the floor and 300mm from the wall and other obstructions to the blade tip.



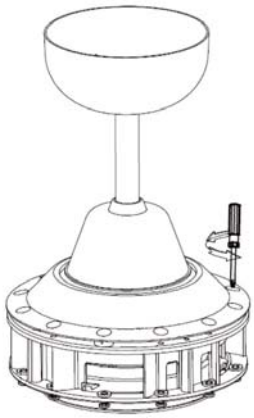


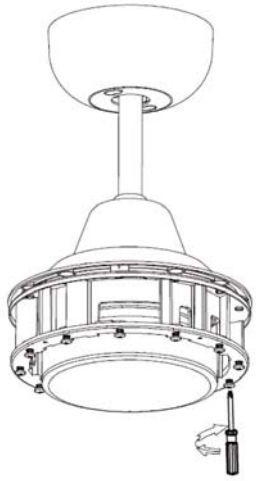
INSTALLING THE FAN

BLADE ATTACHMENT

1. Remove the bottom cover from the fan body by turning the lower motor housing counter clockwise to access the blade mounts and blade screws.

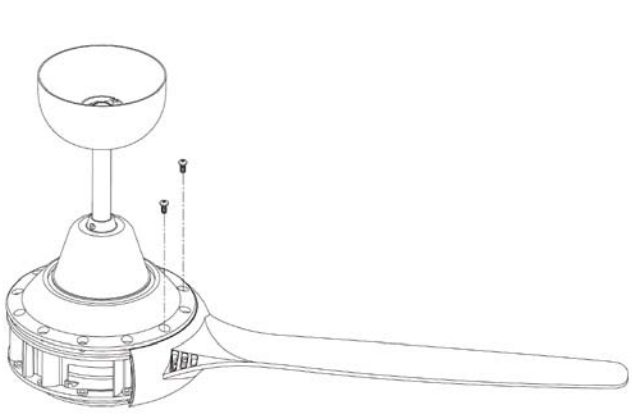
2. Remove the 4 blade screws from the fan motor assembly.

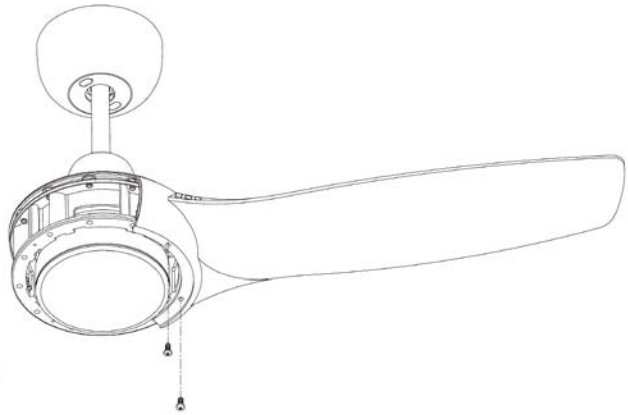




3. Insert the blade into the rotating member of fan motor assembly. Align the 2 holes on the blade with the 2 holes of fan motor assembly and using the 2 blade screws in step 2, to secure the blade to the fan motor assembly.

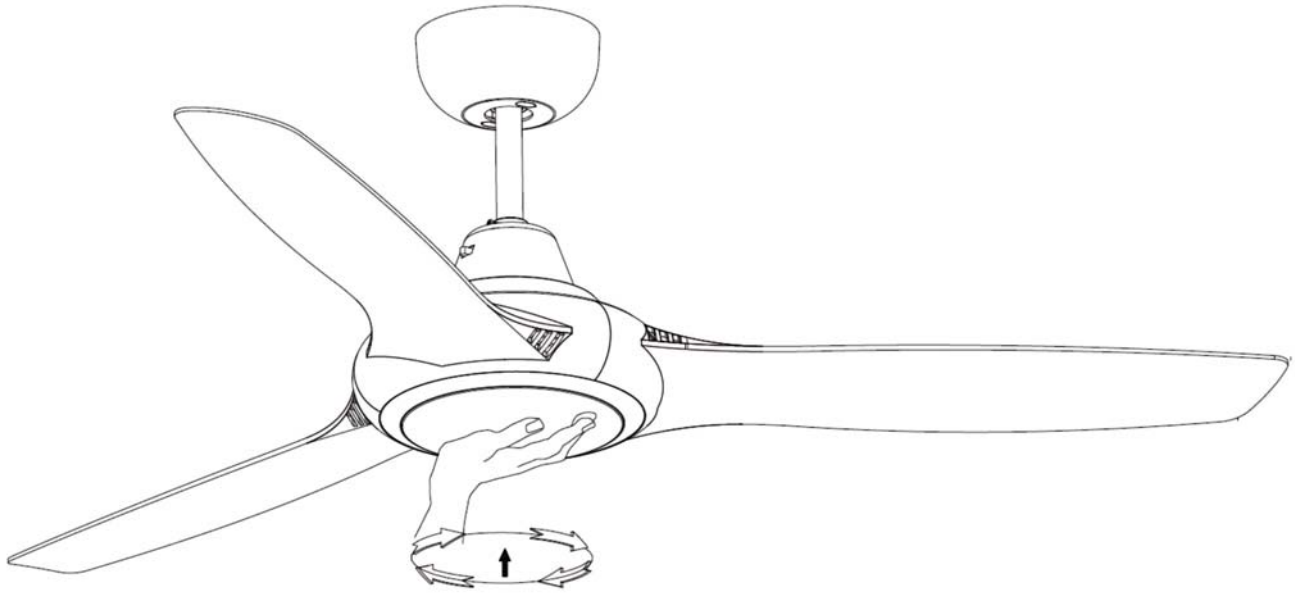
   Ensure all screws are tightened evenly to reduce the chance of warping or unbalancing. Take care not to over tighten the screws, as this can damage the blades.





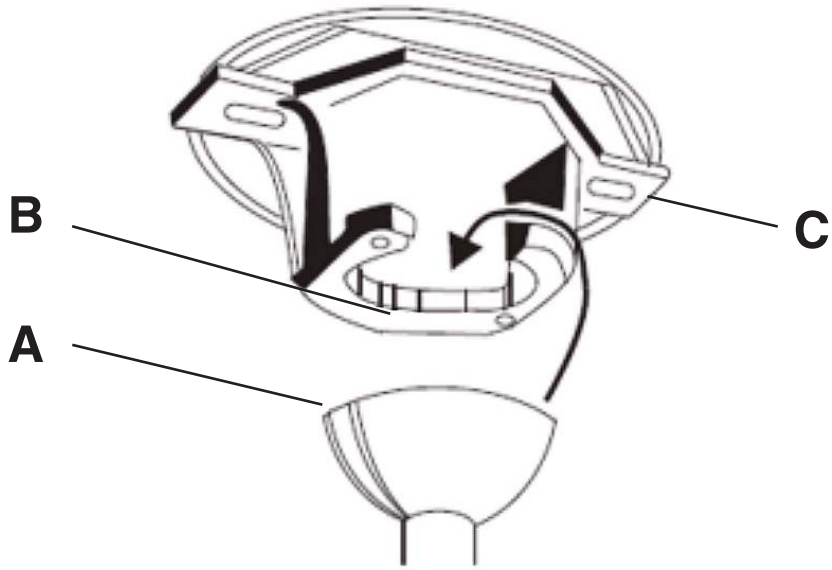
4. Repeat this process for the remaining blades.

5. Install the bottom cover back onto the fan body.



HANGING THE FAN

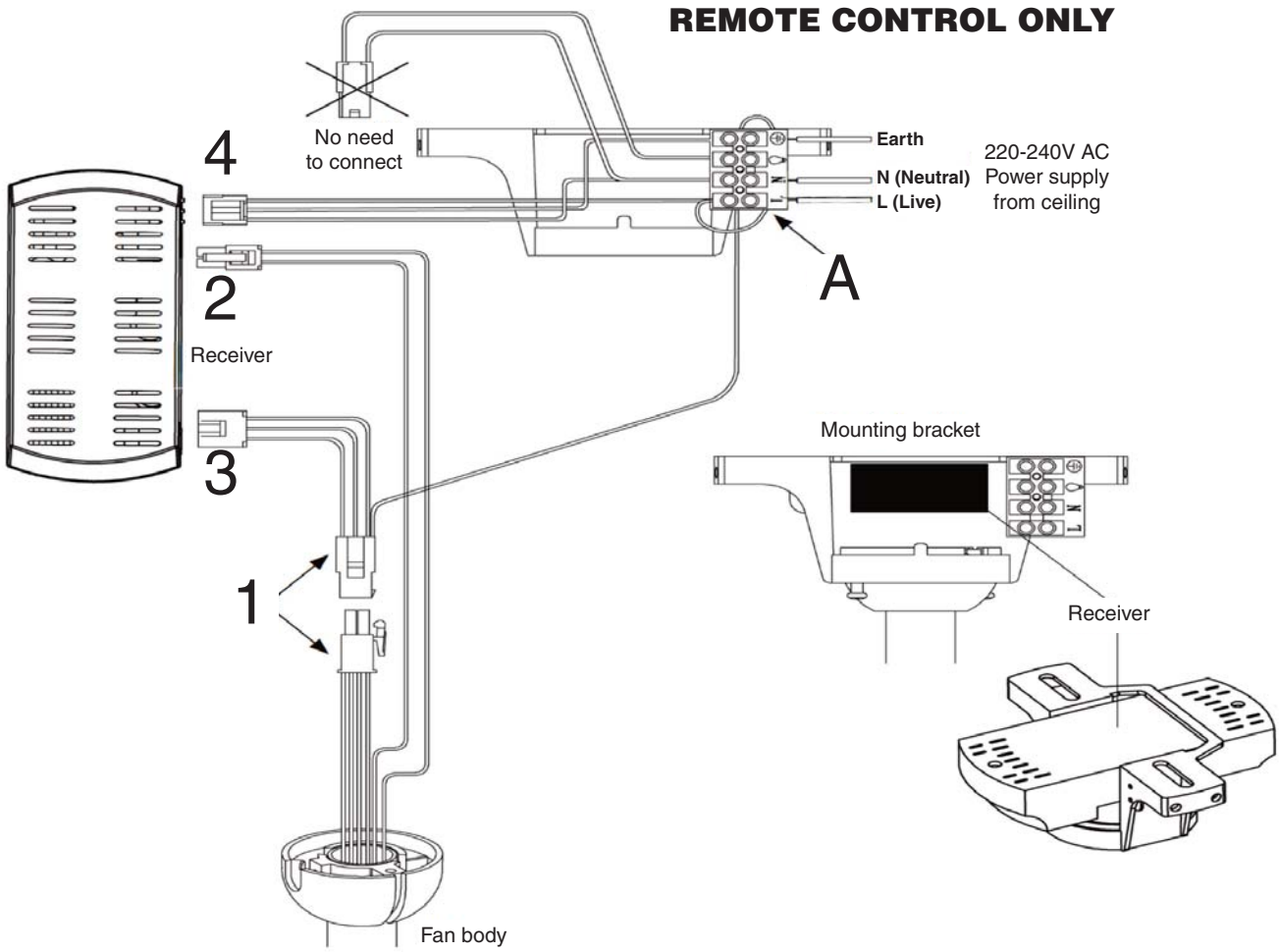
Lift the fan assembly onto the mounting bracket. Ensure the key slot (A) of the hanger ball is positioned on the key pin (B) of the mounting bracket (C) to prevent the fan from rotating when in operation.



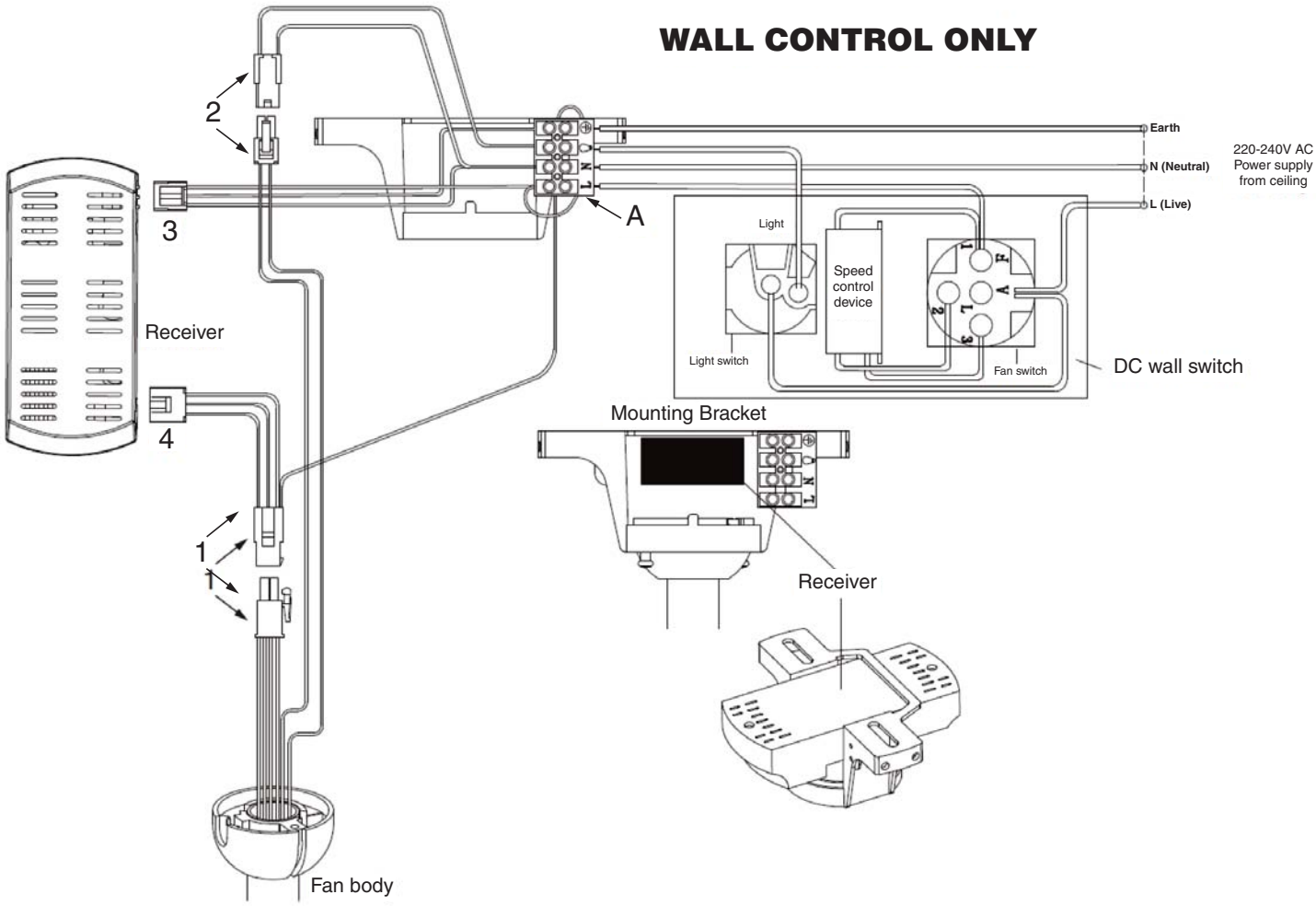
WIRING THE FAN

WARNING: FOR YOUR SAFETY ALL ELECTRICAL CONNECTIONS MUST BE UNDERTAKEN BY A LICENSED ELECTRICIAN.

NOTE: AN ADDITIONAL ALL POLE DISCONNECTION SWITCH MUST BE INCLUDED IN THE FIXED WIRING.



1. Connect the mains power supply to the terminal block ensuring that wires are secure and no bare wires are exposed. Live to “L” terminal, Neutral to “N” terminal Earth to “ ⏚ ” terminal.
2. Insert the DC remote receiver into the mounting bracket.
3. Insert the 3-port fixed wire quick connector (4) to the receiver power input socket.
4. Insert the 2-port light wire quick connector (2) to the receiver light power output socket. **(This light diagram and operation is omitted for fan without light)**
5. Insert the DC motor input wire connector (3) to the receiver motor power output socket.
6. Join the receiver output wire and the motor power input wire together via the 4-port quick connectors (1)

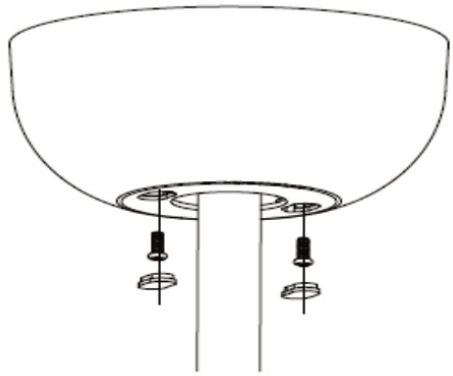


1. Connect the mains power supply to the terminal block (A) ensuring that wires are secure and no bare wires are exposed. Live to “L” terminal, Neutral to “N” terminal, Light live to “”, Earth to “” terminal.
2. Insert the DC remote receiver into the mounting bracket.
3. Insert the 3-port fixed wire quick connector (3) to the receiver power input socket.
4. Connector the light wire via the 2-port quick connectors (2). This light diagram and operation is omitted for fan without light.
5. Insert the DC motor input wire connector (4) to the receiver motor power output socket.
6. Join the receiver output wire and the motor power input wire together via the 4-port quick connectors (1).

FINISHING THE INSTALLATION

• After completing the electrical connection at the mounting bracket terminal block, connect the ceiling fan wiring via the quick connector plug.

1. Loosen the 2 screws at the bottom of the mouthing bracket.
2. Slide the canopy up to the mounting bracket and align the key holes on the canopy with the screws on the mounting bracket. Turn the canopy until it locks into place with the narrow section of the key holes and secure it by tightening the two screws. Avoid damaging the electrical wiring prepared previously.
3. Attached the decorative buttons into the holes of canopy.



USING YOUR CEILING FAN

REMOTE CONTROL ONLY

A. Fan ON/OFF button

• Press the button to turn the fan ON/OFF.

• Press and hold the button for 5 seconds within 30 seconds of switching the power to the receiver for pairing the transmitter and receiver.

B. Fan speed decrease button

Press the speed buttons from 7 to 1, the fan will run from high speed (7) to Extra-low speed (1)

C. Fan speed increase button

Press the speed buttons from 1 to 7, the fan will run from Extra-low speed (1) to high speed (7)

D. Fan turbo speed button

Press the turbo speed button, the fan will run at extra-high speed.

E. Forward/Reverse button

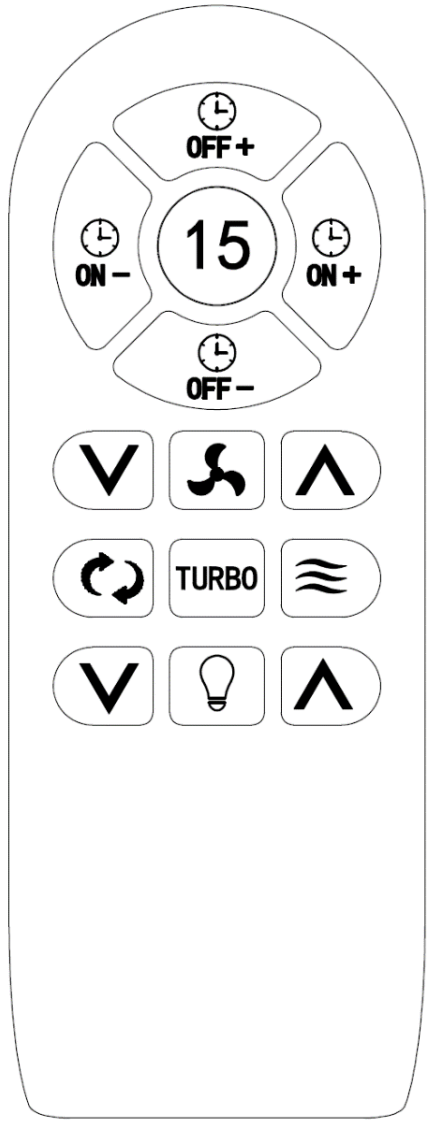
Press the button to activate the reverse running function. The fan must be operating to activate the reverse function. Press again to return to the forward running function.

F. Natural wind button

• Press the button to activate the natural wind mode.

• Press any speed control button to exit the natural wind mode

REMOTE CONTROL ONLY



G. Light ON/OFF button

press the button to turn the light ON/OFF

Press the button ON/OFF, ON/OFF, ON/OFF within 3 seconds to select the colour temperature (3000K, 4000K or 5000K).

Once the colour temperature has been selected, keep the light on for a minimum of 10 seconds to ensure the selected colour is retained in the settings.

H. Light brightness increase button

Press the button to increase the brightness of the light.

I. Light brightness decrease button

Press the button to decrease the brightness of the light.

J. Timer control button ON+ ON− OFF+ OFF−

ON+

Press the button to activate the fan timer function and increase the time setting from 1 hours to 12 hours, the fan will turn ON after 1 hour to 12 hours. To cancel the timer function, just press the fan OFF button.

ON−

Press the button to activate the fan timer function and decrease the time setting from 12 hours to 1 hours, the fan will turn ON after 12 hours to 1 hours. To cancel the timer function, just press the fan OFF button.

OFF+

Press the button to activate the fan timer function and increase the time setting from 1 hours to 12 hours, the fan will turn OFF after running 1 hour to 12 hours. To cancel the timer function, just press the fan OFF button.

OFF−

Press the button to activate the fan timer function and decrease the time setting from 12 hours to 1 hours, the fan will turn OFF after running 12 hours to 1 hours. To cancel the timer function, just press the fan OFF button.

15

K. LED PANEL

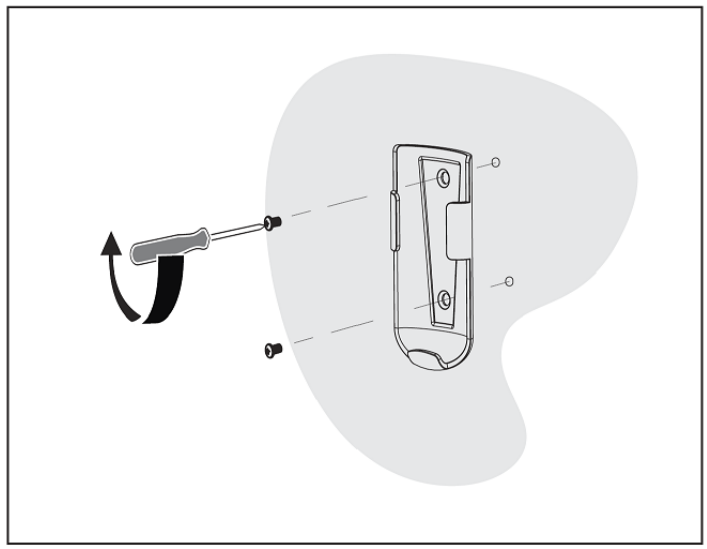
This LED panel indicate the fan speed and time…etc.

BATTERY INSTALLATION

- 2x AAA 1.5 V batteries are used to operate the remote control.
- Loosen the screw from the battery cover.
- Pull out the battery cover and install the batteries.
- Ensure the polarity is correct as shown in the battery compartment.
- Please remove the batteries if you intend not using the ceiling fan for any long periods of time.

REMOTE BRACKET INSTALLATION

Install the fan remote handset bracket on the wall as shown.



PAIRING THE REMOTE AND RECEIVER

The remote and receiver have already been paired during manufacturing. When the ceiling fan is installed for the first time, pairing of the remote and receiver is NOT required. If the remote and receiver lose pairing after installation or during use, the remote and the receiver must be re-paired. The scenario and method to re-pair the pairing of the DC ceiling fan remote and receiver are below.

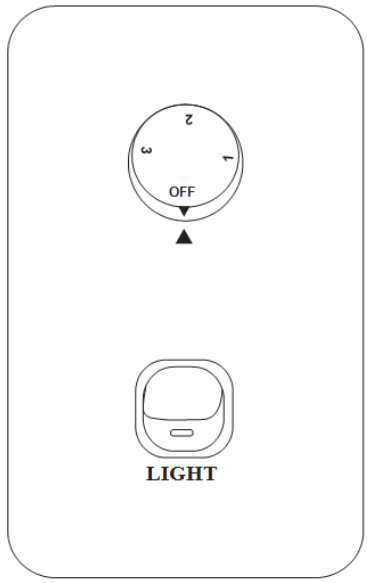
Issues:

- Loss of control - Fan is only running at high speed after installation
- Loss of control - No reverse function after installation
- Loss of control - Remote cannot communicate with the receiver

Solution:

- Switch OFF the main power to ceiling fan.
- Press and hold the “ ” button on the remote for 5 seconds (within 30 seconds of switching the power ON to the receiver of the ceiling fan). A long “beep” sound to indicate the paring process is activated. Release your finger from the FAN ON/OFF button.
- Turn the fan ON and change the speed of the ceiling fan by the remote to check the operation and successful pairing.

WALL CONTROL ONLY



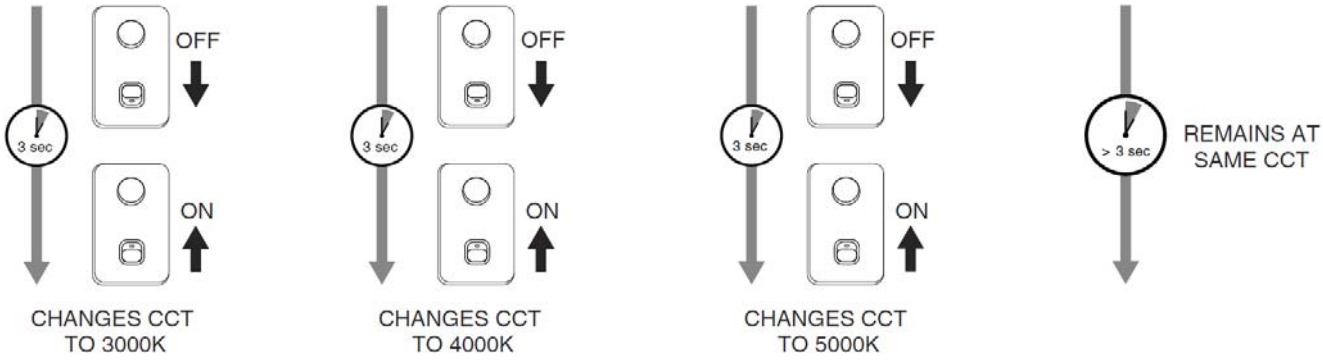
Turn on the power and check the operation of the fan.

- OFF Position – Fan off
- 3rd Position – Low fan speed
- 2nd Position – Medium fan speed
- 1st Position – High fan speed

LIGHT CONTROL

- Toggle Switch – On/off

Selecting the colour temperature: Toggle the light switch ON/OFF, within 3 seconds to select the colour temperature (3000K, 4000K or 5000K). After 3 seconds from last toggle, the light will remain at same colour temperature.

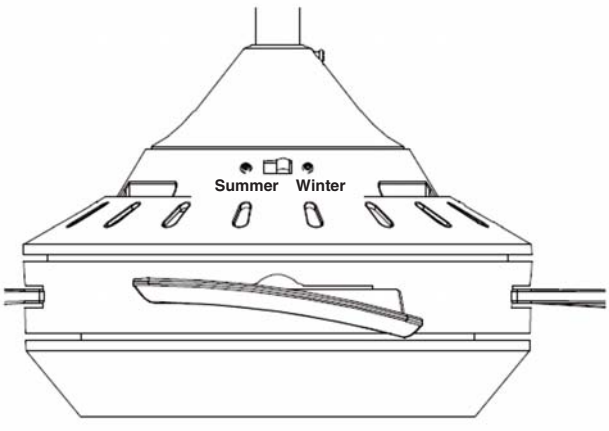


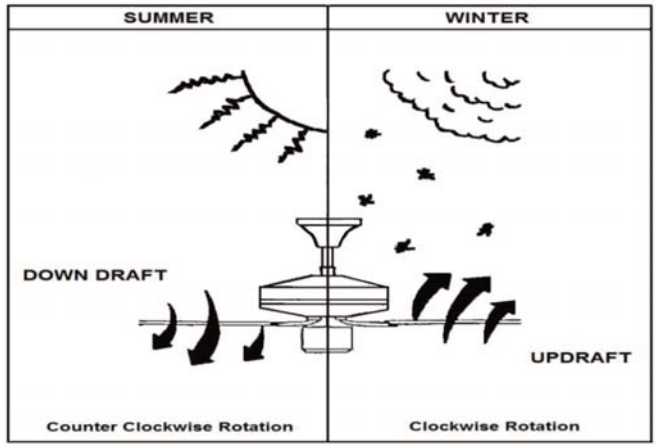
REVERSE FUNCTION

Your ceiling fan can operate in either summer or winter mode.

SUMMER Mode: The reverse switch should be in the SUMMER position to rotate the fan in an anticlockwise direction. The airflow will be directed downwards, for cooling in summer.

WINTER Mode: The reverse switch should be in the WINTER position to rotate the fan in a clockwise direction. The airflow will be directed upwards, for energy conservation in winter.





AFTER INSTALLATION

WOBBLE:

NOTE: ceiling fans tend to move during operation due to the fact that they are mounted on a rubber grommet. If the fan was mounted rigidly to the ceiling it would cause excessive vibration. Movement of a few centimetres is quite acceptable and DOES NOT suggest any problem.

TO REDUCE THE FAN WOBBLE: Please check that all screws which fix the mounting bracket and down rod are secure.

BALANCING KIT: A balancing kit is provided to balance the ceiling fan on initial installation. Please refer to the instruction on how to use the balancing kit. The balancing kit can be used to assist re-balancing should the ceiling fan become un-balanced again. Store your balancing kit away after installation for future use if required.

NOISE:

When it is quiet (especially at night) you may hear occasional small noises. Slight power fluctuations and frequency signals superimposed in the electricity for off-peak hot water control, may cause a change in fan motor noise. This is normal. Please allow a 24-hour “breaking-in” period, most noises associated with a new fan disappear during this time. Please note that this is not a product fault and as such is not covered under warranty – All electric motors are audible to some extent.

CARE & CLEANING

NOTE: Always turn OFF the power at the mains switch before performing any maintenance or attempting to clean your fan.

- Every 6 months periodic cleaning of your ceiling fan is the only maintenance required. Use a soft brush or lint free cloth to avoid scratching the paint finish. Please turn off electricity power when you do so.
- Do not soak or immerse your ceiling fan in the water or other liquids. It could damage the motor or the blades and create the possibility of an electrical shock.
- Ensure that the fan does not come in contact with any organic solvents or cleaners.
- To clean the fan blade, wipe with only a damp clean cloth with NO organic solvents or cleaners.
- The motor has a permanently lubricated ball bearing so there is no need to oil.

All electric motors, including fan motors make some noise and may feel hot if touched – this is NOT A FAULT. Ceiling fans tend to move during operation as they are not generally rigid-mounted.Rigid mounted ceiling fans generate excessive vibration (which leads to noise) and stress on their mountings.

Movement in a ceiling fan is not uncommon and does not suggest the fan will fall down.

Some fans wobble more than others, even in the same model.

Fan Operation

A ceiling fan rotates much more slowly than an electric desk fan; it cools people effectively by introducing
slow movement into the otherwise still, hot air of a room, inducing natural evaporative cooling. Fans never actually cool air, unlike air-conditioning equipment, but use significantly less power.

Normal Wear and Tear

Threaded components working slightly loose, or blade carriers becoming slightly bent due to vigorous
cleaning or bumping can cause extra wobble and noise. This is not covered under warranty, but a little
care and maintenance can reduce or prevent this problem.

Night Noises

This is the biggest cause of service calls, which are outside the manufacturer's warranty. If a fan has a fault, then it would be noticeable at ALL TIMES. Obviously when everything is quiet at night you will be more inclined to hear small noises, which may not be noticeable at other times. Even slight signals super imposed in your electricity supply for off peak hot water control may cause a change in the fan motor noise, which is deemed normal. Solar power systems will cause extra humming in motors. In both scenarios it is recommended that you explore options of adding a filter that can be installed to eliminate these issues.

Dimming

The light kit supplied with this fan is DIMMABLE.

Dimmers and solid state wall controllers can NOT BE USED for the operation of the fan motor. This will instantly void any warranty provided.

Important Information

For consumers located in NSW and QLD regarding ceiling fans. Some parts of NSW and Queensland may be subjected to Ripple frequency which may cause undesirable side effects such as intermittent buzzing (in fans) and/or flickering of LED light. This is not a fault of the product and in some cases needs the addition of ripple filters as such needs to be addressed by your Energy Provider.

WARRANTY INFORMATION

Important ceiling fan warranty information for owners and installers.

Our goods come with guarantees that cannot be excluded under Australian Consumer Law. You are entitled to a replacement or refund for a major fault and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

This product is covered for six (6) years in total consisting of a two (2) year in-home warranty followed by a four (4) year parts only warranty. Please note that remote controls (if applicable) and other accessories are covered for one (1) year from the date of purchase.

What is an in-home warranty?

DEKA branded ceiling fans offers a two (2) year in-home parts and labour warranty on ceiling fans installed within the coverage of our network of service agents and in cases where the product fails due to defective materials or workmanship.

This warranty does not cover installation faults, house wiring faults, loose blades or damage of any kind. In areas outside of the coverage of DEKA service agents, DEKA will reimburse a standard fee of $88.00 (inc. GST) for consumers using their own electricians. Conditions apply and DEKA support must be contacted PRIOR to organising your own electrician. Under no circumstances will reimbursements be paid without prior consent of DEKA support.

Subject to your “Rights under Australian consumer law”, but otherwise to the maximum extent permitted by law, the DEKA warranty will NOT cover the below:

1. Where installation was not carried out by a licensed electrician or contractor.
2. Products not installed as per the instruction manual and in accordance to SAA and local authority regulations.
3. Defect, damage or failure resulting from misuse, accident, neglect, abuse, tampering, modifications or unauthorised repairs of any kind by any person.
4. Minor variations of speed may be evident even between same model of fans. No two fans run exactly the same, even across all speeds.
5. Fan “wobbles” – Any wobble is usually caused by the mounting to the ceiling not being adequate or mismatched or out of alignment blades. Blades should not be mixed from one fan to another as the blades sets are balanced during production. Refer to the User Manual for more information.
6. Defect, damage or failure resulting from any acts of God, including damages from lightning.
7. Defect, damage or failure resulting from power grid fluctuations or power surges.
8. Damage caused by alternate power supplies, e.g. Solar inverters etc.
9. Disposable accessories, e.g. Batteries or light globes (unless otherwise stated)
10. “Night noises” - intermittent humming or other influences from mains power delivery infrastructure – Refer Important Facts for further information.
11. Water damage
12. The cost of renting, obtaining and using special equipment (i.e. scaffolding, scissor lifts etc.) for accessing products installed at a height of greater than 3.5 metres.
13. Liability for consequential loss or claims for damage to furniture, carpets, walls, ceilings, foundations or and other event either directly or indirectly resulting from a faulty product or accessory to the maximum extent permitted by law.

After reading the above information:

1. Should you consider there is a fault relating to the installation, please contact the original installer to rectify.
2. Should you consider that there is a manufacturer's defect with the fan, please go to www.dekafans.com.au (our service provider in Australia) and click on Warranty. From there, click on DEKA and follow the prompts. Fully complete and supply all requested information for an expedited warranty process.

Proudly Distributed by

rep ELEC TRADE SOLUTIONS

Warranty is provided by Repelec (Aust)
16 Rayben Street Glendenning NSW 2761
Phone: 1300 555 586 **Email:** sales@repelec.com.au
Website: www.repelec.com.au

This warranty is valid in Australia only

NOTES

DEKA™

www.dekafans.com.au