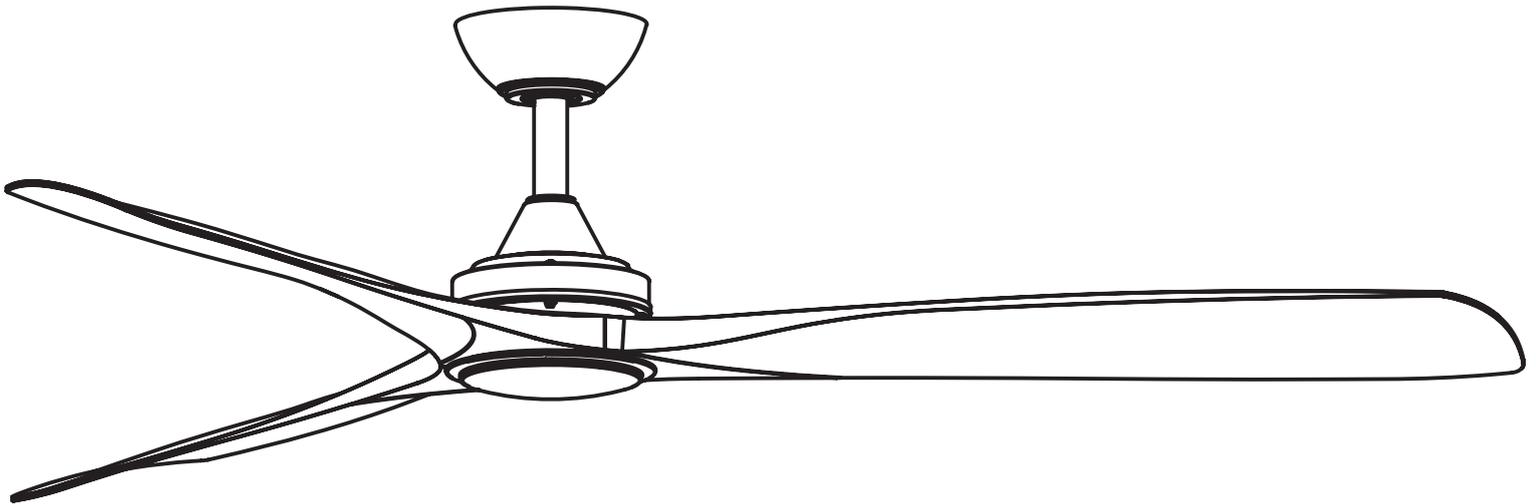


ThreeSixty

C E I L I N G F A N S



OPTIONAL 18W CCT LED LIGHT KIT AVAILABLE

Spitfire DC

DC Motor

Model No. MSDC**

Compatible with 52" & 60" Blades

Model No. BS52** & BS60**

Each blade size is packaged with its own unique receiver

Owner's Manual

Please read and keep these instructions as they contain assembly, warranty, maintenance and service information.

Version:
Date:

1.0
December 2022

Net Weight: 6 kg

** denotes colour on box

ThreeSixty Ceiling Fans

Fan Technology That's Innovative and Reliable

ThreeSixty Ceiling Fans is proud of its range of ceiling fans, accessories and lighting products. We believe these are the leading products in their category, reflecting over 40 years collective Australian experience in design, development, manufacturing and distribution of electronics and electrical equipment.

Our hugely popular Spitfire ceiling fan range is now available in a new DC version for improved energy efficiency and a sleeker motor design. Featuring stylish timber-finish polymer blades, the Spitfire DC ceiling fan is available in 52" and 60" sizes to accommodate more rooms in your home for a consistent aesthetic. The Spitfire DC range includes a remote control and there is an optional LED light available for those times you need your fan to also be a light source.

Our manufacturing is subject to strict quality control and we back our products with a plain-English warranty. Any problem caused by a fault in the product will be fixed or replaced with the least possible inconvenience.

We welcome feedback and suggestions. By listening to our customers we aim to continuously improve our products and services.

Electricians and installers:

We are here to help you. Please call our support line if you have any questions or need assistance with installing or wiring the product.

Customers and purchasers:

Please call us if you have any questions about your fan or would like advice on the best way to use your fan to save energy.

ThreeSixty Fans Support can be contacted by calling **1300 469 326**, visiting our website at **<https://360fans.com.au>** or emailing our team at **support@360fans.com.au**

Important Safety Instructions

WARNING: To avoid fire, shock and serious personal injury, follow these instructions.

1. Read your owner's manual and safety information before installing your new fan. Review the accompanying assembly diagrams.
2. Before servicing or cleaning unit, switch power off at fuse box / circuit breaker and lock box (disconnecting means to prevent power from being switched on accidentally).
3. Be careful of the fan and blades when cleaning, painting, or working near the fan. Always turn off the power to the ceiling fan before servicing.
4. Do not insert anything into the fan blades while the fan is operating.
5. Do not operate reversing switch until fan blades have come to a complete stop.
6. Do not dispose of electrical appliances as unsorted municipal waste, use separate collection facilities.
7. Contact your local government for information regarding the collection systems available.
8. If electrical appliances are disposed of in landfills or dumps, hazardous substances can leak into the groundwater and get into the food chain, damaging your health and well-being.
9. This 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 use of the appliance by a person responsible for their safety.
10. Children should be supervised to ensure that they do not play with the appliance.

Additional Safety Instructions

1. To avoid possible shock, be sure electricity is turned off at the fuse box before wiring, and do not operate fan without blades.
2. All wiring and installation procedures must comply with AS/NZS 3000 Wiring Rules and any other local regulations. The ceiling fan must be grounded as a precaution against possible electrical shock. Electrical installation **must be made by a licensed electrician**.
3. The fan base must be securely mounted and capable of reliably supporting at least **four times the weight of the ceiling fan**. The installation and replacement of the suspension system must be completed by the manufacturer, its service agent or a suitably qualified person.
4. The fan must be mounted with the fan blades at least 2.1 meter (lowest edge) from the floor to comply with safety regulations and to prevent accidental contact with the fan blades.
5. Follow the recommended instructions for the proper method of wiring this ceiling fan.
6. **This fan must be installed with an isolation switch or a device to disconnect all poles.**

WARNING: This product is designed to use only those parts supplied with this product and/or accessories designated specifically for use with this product. Using parts and/or accessories not designated for use with this product will void your warranty and could result in personal injury or property damage.

WARNING: Do not insert foreign objects in between rotating fan blades.

WARNING: This fan MUST be installed with an easily accessible isolating device to disconnect all poles of the fan from the main supply.

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



**MUST BE INSTALLED
BY A LICENSED
ELECTRICIAN**

IMPORTANT: This product must be installed by a licensed electrician and comply with AS/NZS 3000 Wiring Rules and any other local regulations.

Supplied parts

- One fan DC motor assembly with fan housing and motor cover
 - One hanger bracket fitted with terminal block
 - One ceiling canopy with dress ring
 - One set of blades with blade screws and base plate (supplied in blade box)
 - One hardware bag with assorted screws
 - One installation booklet
 - One remote control with preset remote receiver (supplied in blade box)
-

Tools and materials required

- Phillips screwdriver
- Small electrical screwdriver
- Electrical pliers
- Step ladder
- Wiring supplies as required by current electrical practices
- If an extension rod is used it is supplied with an extension wiring loom

Before starting the assembly and installation of your fan please ensure the safety instructions have been read and understood.

Installation issues, missing or damaged parts

If you have any difficulty installing your fan or if you are unfortunate enough to find that your fan has been dispatched with parts missing or damaged, please contact our help line on 1300 469 326. We will provide help and/or replacement parts to you immediately.

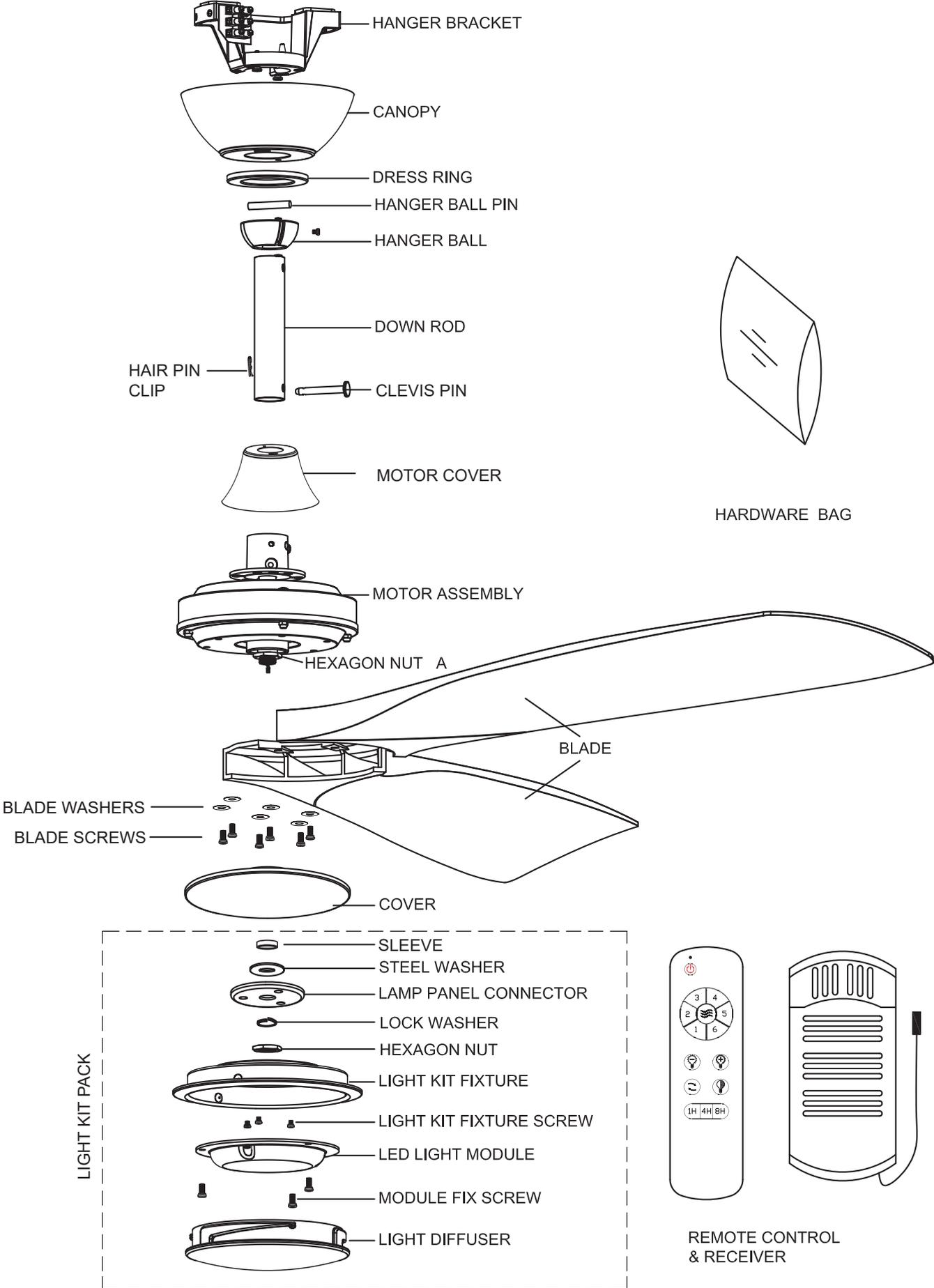
In any communication with us please quote your model number and finish (colour) of the unit, along with as much information on the missing or damaged part(s) as possible (see Page 5).

Installing the fan

All electrical work should only be undertaken by a **LICENSED ELECTRICIAN** and after disconnection of the power by removing fuses or turning off the circuit breaker to ensure **ALL POLES** isolation of the electrical supply.

- 1.** Hanger bracket installation
- 2.** Assemble canopy, downrod and motor cover
- 3.** Mount fan and insert receiver
- 4.** Complete remote receiver installation and wiring
- 5.** Install the ceiling canopy and dress ring
- 6.** Install the three fan blades
- 7a.** Install the bottom blade cover plate if not using the light kit
- 7b.** Install the (optional) Light Kit if preferred

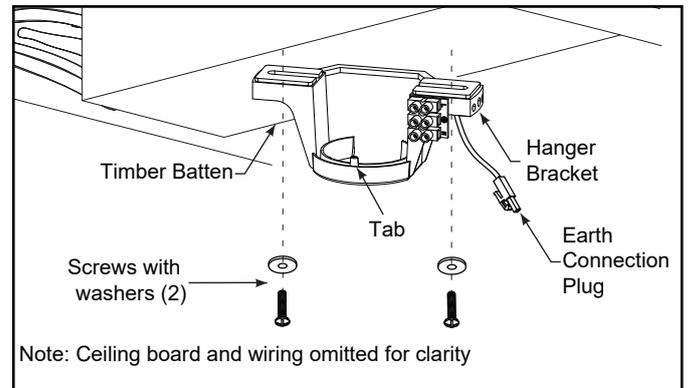
Exploded Fan View & Parts



1. Hanger bracket installation

Drill a hole in the ceiling board and batten for wiring. Securely attach the hanger bracket to a timber batten or other structural support using appropriate fasteners.

IMPORTANT: The hanger bracket must be securely mounted and able to support up to four times the weight of the ceiling fan.



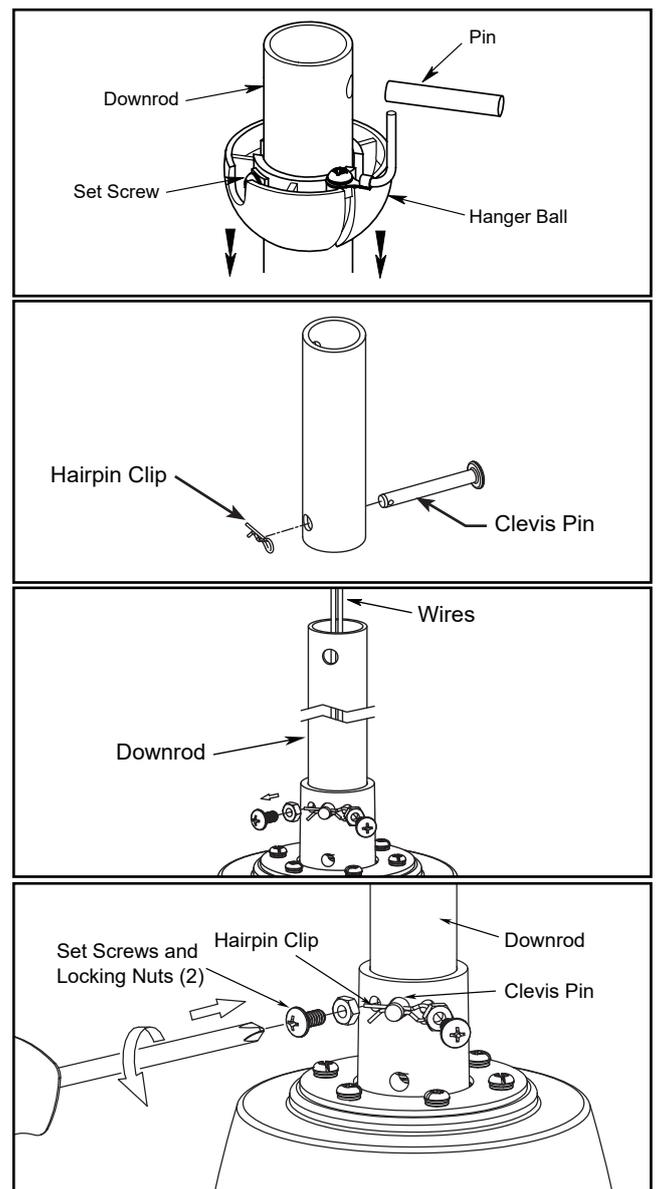
2. Assemble canopy, downrod and motor cover

Step 1: Loosen the setscrew in the hanger ball until the ball falls freely down the downrod. Retain the pin and hanger ball for re-installation in Step 6.

Step 2: Remove the hairpin clip and clevis pin from the bottom of the downrod. Retain the pin and clip for reinstallation in Step 4.

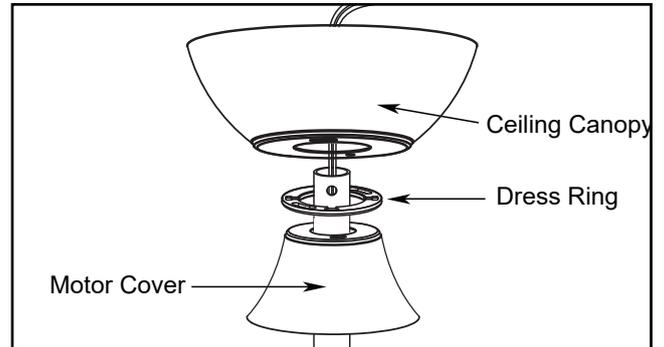
Step 3: Loosen the two setscrews and locking nuts in the downrod support of the motor assembly. Route the wires from the motor through the downrod.

Step 4: Slide the downrod into the downrod support on top of the motor. Install the clevis pin by aligning the holes in the downrod support with the holes in the downrod. Secure the clevis pin with the hairpin clip. Tighten the two set screws with locking nuts in the downrod support.

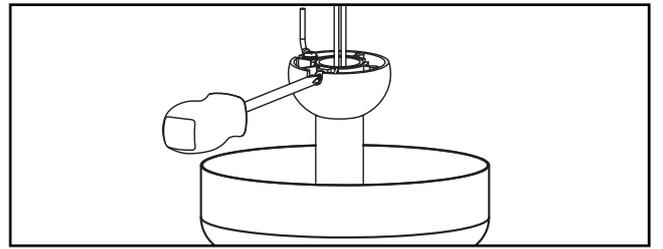


2. Assemble canopy, downrod and motor cover (cont'd)

Step 5: Route the wires and downrod through the motor cover, dress ring and ceiling canopy.

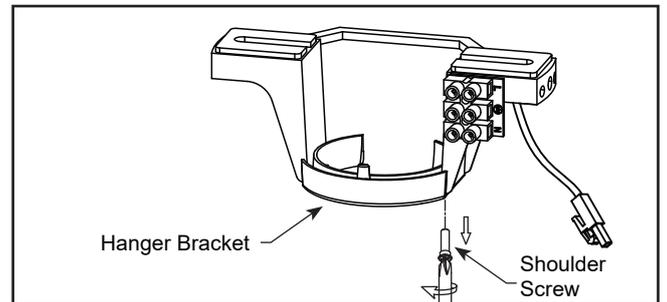


Step 6: Reinstall the hanger ball on the downrod. Route the wires through the hanger ball and slide the hanger ball down over the downrod. Position the pin through the two holes in the downrod and align the hanger ball so the pin is captured in the groove. Pull the hanger ball up tight against the pin and tighten the set screw in the hanger ball.

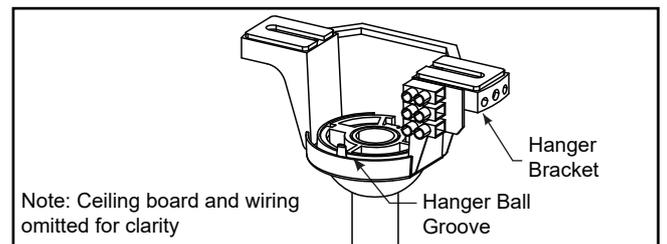


3. Mount fan and insert remote receiver

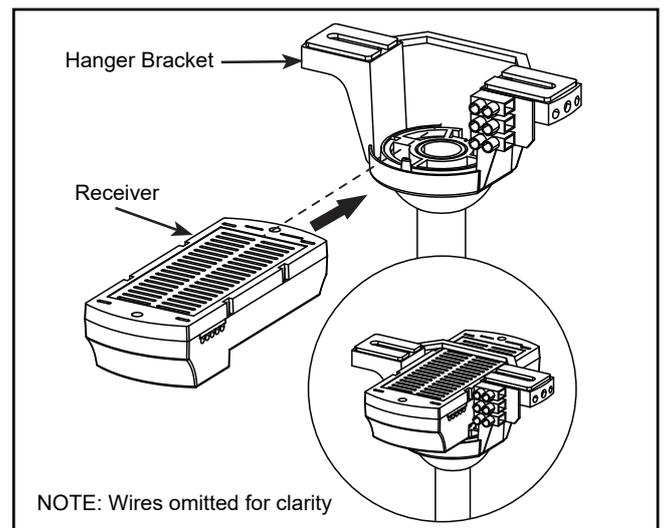
Step 1: Remove one of the two shoulder screws in the hanger bracket and retain for later (used in Step 1 of Section 5). Loosen the second shoulder screw without fully removing it from the hanger bracket.



Step 2: Carefully lift the fan and seat the downrod/hanger ball assembly into the hanger bracket. Ensure the groove in the ball is lined up with the tab on the bracket.



Step 3: Slide the receiver unit into the hanger bracket before attempting to complete any wiring. The remote receiver unit includes wiring looms to connect to the ceiling fan and hanger bracket terminal block.

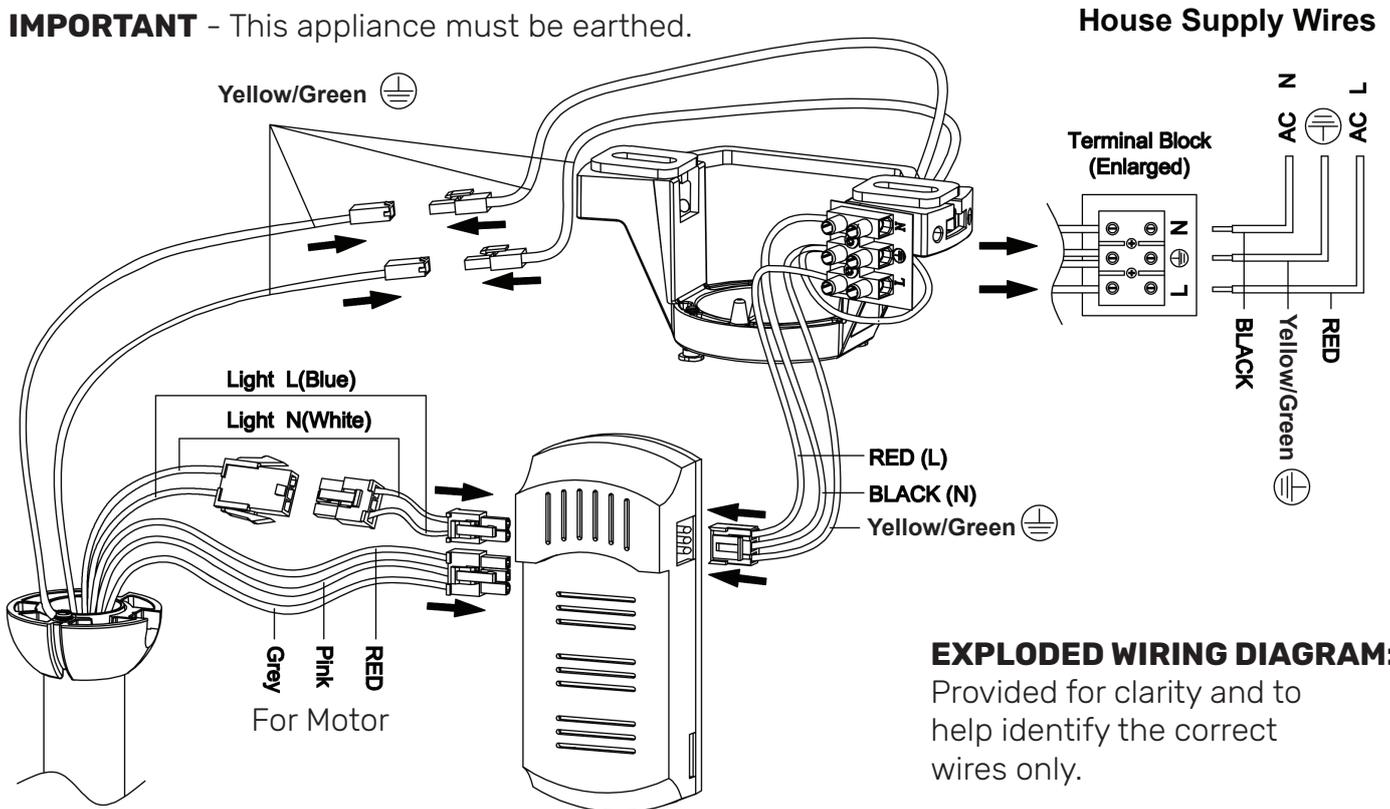


4. Remote receiver installation and wiring

WIRING INSTRUCTIONS: Ensure power is safely isolated before attempting any wiring.

Your fan is supplied with a radio frequency remote control unit and the fan can only be controlled by remote control.

IMPORTANT - This appliance must be earthed.



Step 1: Connect AC Power Supply to Terminal Block

Connect the AC household power supply wires from the ceiling to the Hanger Bracket's terminal block. Connect the **RED** active wire to the connection labeled 'L'. Connect the **BLACK** neutral wire to the connection labeled 'N'. Connect the **YELLOW/GREEN** earth wire coming from the house supply to the connection labeled with the **Earth** symbol on the Terminal Block.

Step 2: Connect Receiver to Terminal Block

Connect the Receiver to the Terminal Block on the Hanger Bracket by plugging the 3-wire **RED**, **BLACK** and **YELLOW/GREEN** connection into the 3-pin connection on the receiver.

Step 3: Connect Fan Motor to Receiver

Connect the 3-wire Motor Plug coming from the motor (**RED/PINK/GRAY** wires) to the bottom Control module plug (3-Slot).

Step 4: Connect Fan Light to Receiver

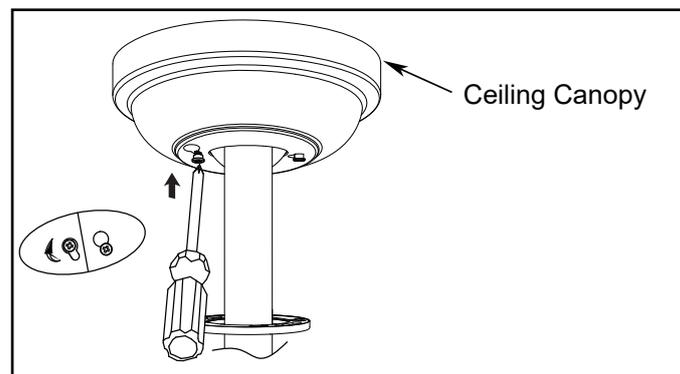
Connect the 2-wire Light Plug coming from the motor (**BLUE/WHITE** wires) to the 3-pin Light Wire Converter connection and then connect the Light Wire Converter Plug to the 2-pin connection on the Receiver.

Step 5: Connect the Yellow/Green (E) from the motor to the Hanger Bracket

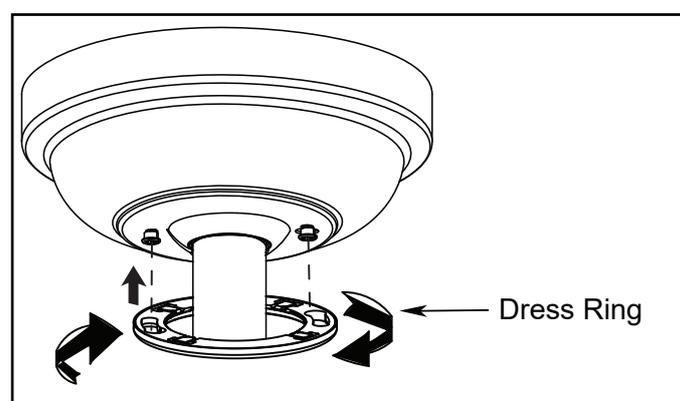
Connect the two Earth wires coming from the motor and hanger ball (**YELLOW/GREEN** wires) to the matching Hanger Bracket plugs.

5. Install the Ceiling Canopy and Dress Ring

Step 1: Lift the ceiling canopy up and over the hanger bracket, lining the key slot in the ceiling canopy over the remaining shoulder screw in the hanger bracket. Rotate the ceiling canopy to lock around the shoulder screw and then tighten the shoulder screw. Replace the second shoulder screw (removed earlier) and fully tighten.



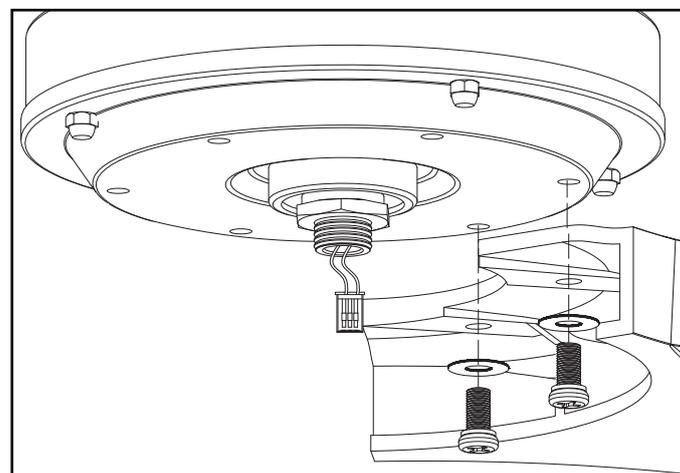
Step 2: Securely attach and tighten the ceiling canopy dress ring over the shoulder screw heads in the hanger bracket utilising the key slot twist-lock feature.



6. Install the fan blades

Fasten the fan blades to the fan motor assembly one by one, using the supplied blade screws and blade washers.

Please loosely install each blade, and once all three blades are attached, fully tighten each blade holder screw one by one.

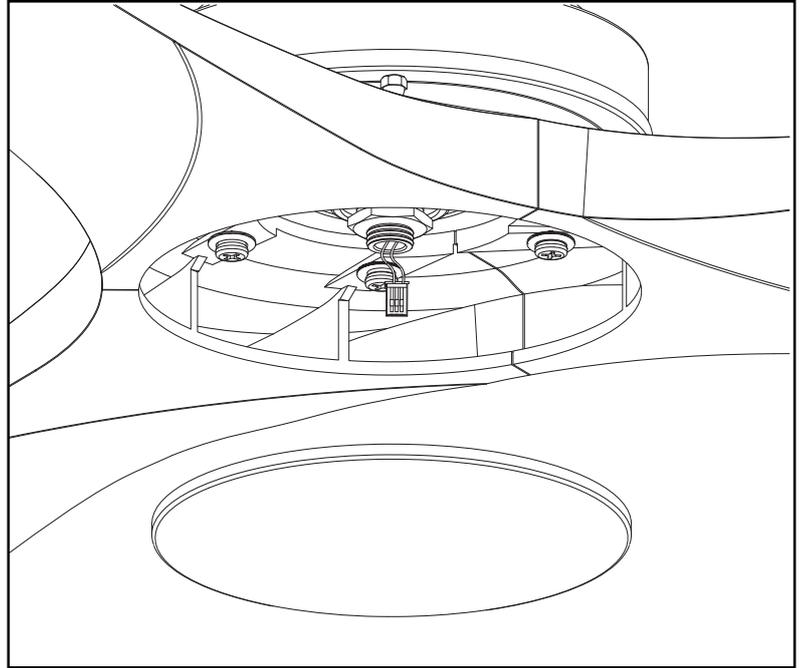


7a. Install the bottom blade cover plate

IMPORTANT: DO NOT complete this step if using the LED Light Kit. Complete Step 7b instead.

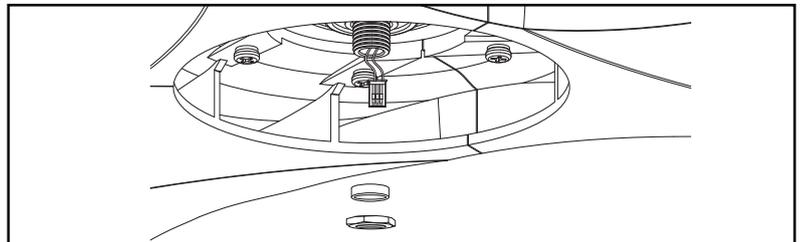
Step 1: Raise the bottom blade cover plate and insert the light wiring loom coming from the bottom of the motor into the hole in the top of the cover plate.

Step 2: Attach the bottom blade cover plate to the motor assembly by threading onto the motor shaft and spinning clockwise.

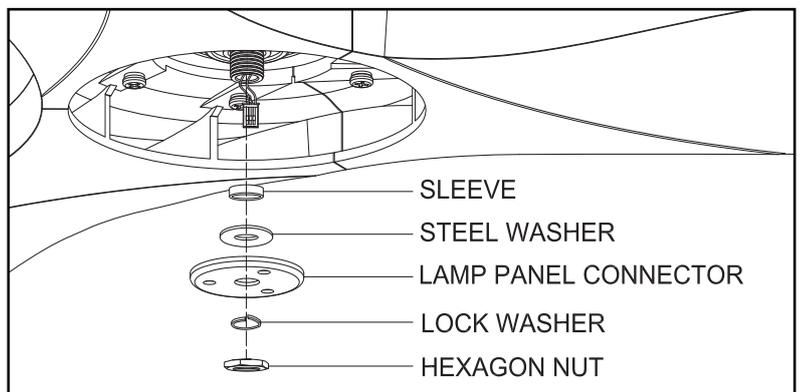


7b. Install the (optional) LED light kit

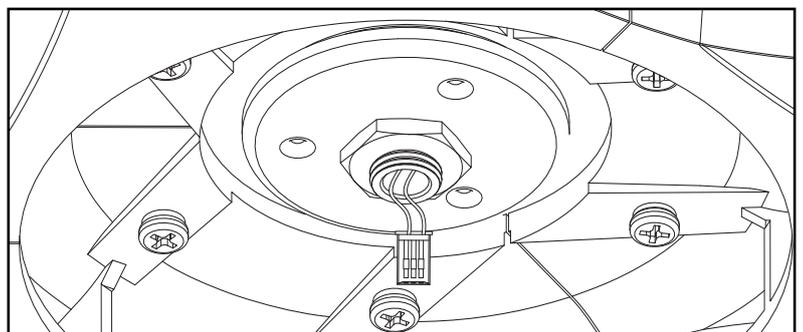
Step 1: Remove the Hexagon Nut from the Motor Shaft Sleeve.



Step 2: Install the Sleeve, Steel Washer, Lamp Panel Connector, Lock Washer and Hexagon Nut onto the Motor Shaft.



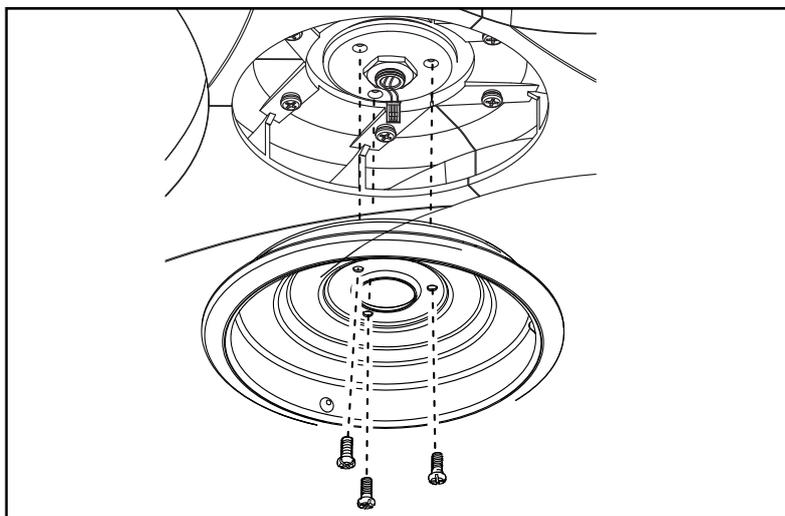
Correctly installed Lamp Panel Connector shown to the right.



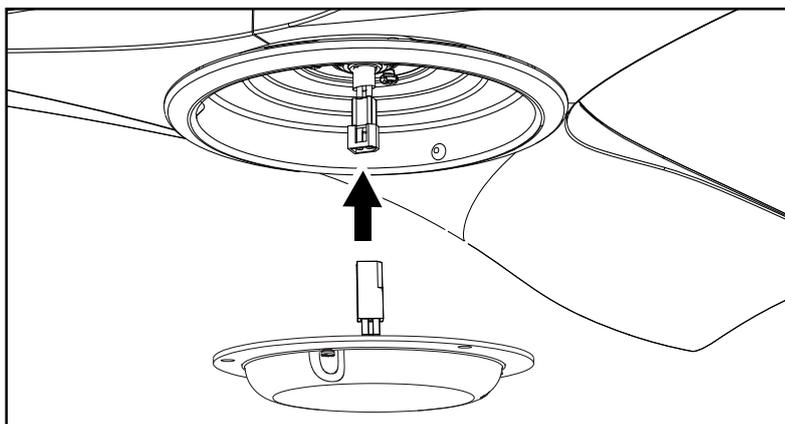
7b. Install the (optional) LED light kit (cont'd)

Step 3: Thread the light wire coming from the bottom of the fan motor through the hole in the Light Kit Fixture.

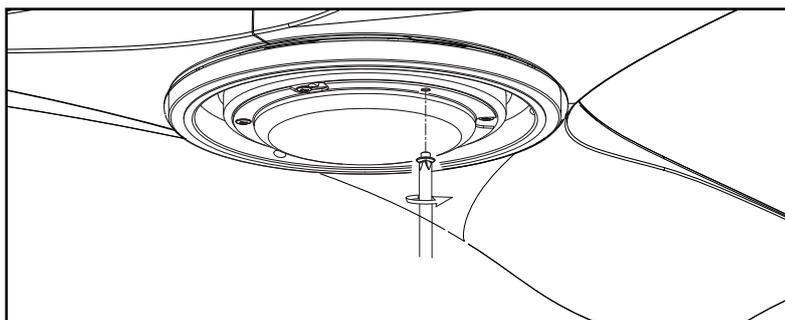
Attach the LED Light Kit Fixture to the bottom of the motor, using the 3 Light Kit Fixture screws supplied.



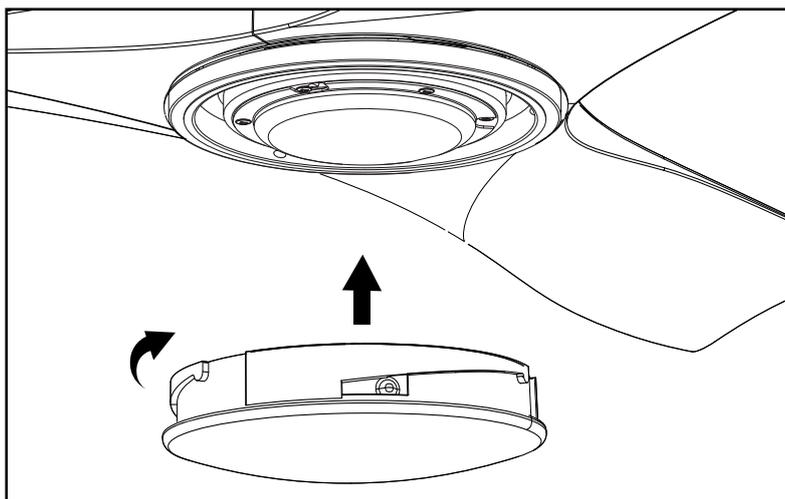
Step 4: Connect the LED Light Module to the light connector coming from the Fan Motor.



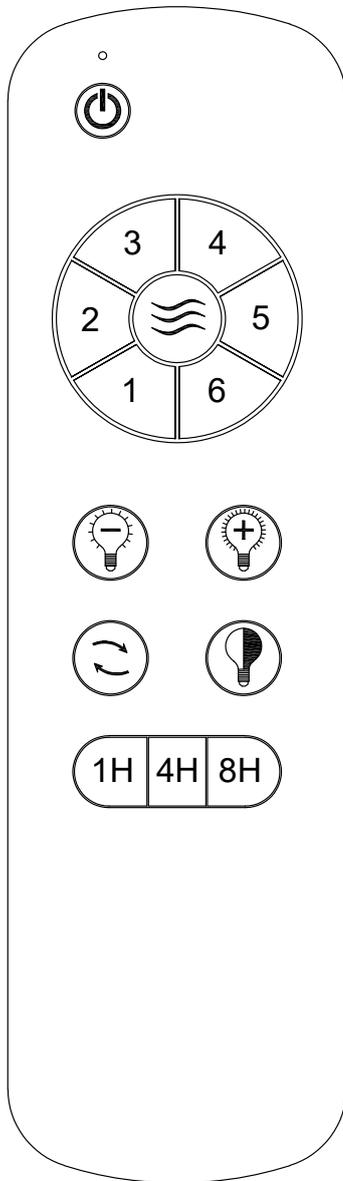
Step 5: Attach the LED Light Module to the LED Light Kit Fixture using the 3 LED Light Module screws supplied.



Step 6: Attach the LED Light Diffuser to the LED Light Kit Fixture by spinning clockwise until locked tightly.



Operating the handset (transmitter)



Fan Speed: Press and release immediately to turn on and set fan speeds. Number 6 is the highest speed and Number 1 is the lowest.



Fan Off: Press to turn the fan off.



Natural Wind Mode: Fan speed changes within its range creating a gentle sea-breeze effect.



Press and hold this button to increase the LED light - stop holding the button when desired brightness achieved.



Press and hold this button to decrease the LED light - stop holding the button when desired brightness achieved.



ON/OFF - Turn the light On/Off by pressing this button.

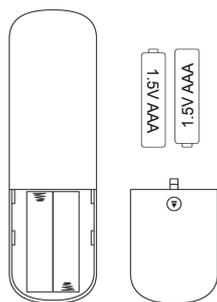
CCT - Change the LED colour temperature by turning the light ON and then rapidly OFF then ON within 2 seconds. This will rotate through the available colour temperatures.



Fan Reverse: Press to change the direction of your ceiling fan. It will slow and then change directions.

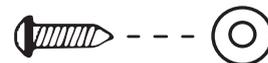
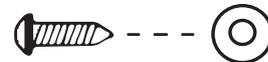


Fan Off Timers: Press 1H, 4H or 8H button to set your fan to automatically turn off after 1, 4 or 8 hours respectively.



Installing wall mounted holder

Attach wall mounted remote holder using the two screws provided.



Learning / Pairing Setup

The handset and remote control receiver module are pre-programmed at the factory and do not normally require pairing. Should they not function when first installed, or you wish to control 2 fans using 1 handset, or you need to pair a replacement handset please follow the below procedure.

1. Ensure that AC power is isolated (switched off) to the ceiling fan.
2. Restore AC power to the fan. Within 30 seconds PRESS and HOLD the Fan Power button for 5 seconds.
3. The remote control receiver module will beep twice to indicate the pairing process was successful.

Caring for and operating your remote control

Ensure the batteries are correctly installed in the hand piece. Please allow a moment between each switching operation. Please handle the transmitter with care, be sure not to drop or expose it to water, high humidity or place it too close to a heating element. Improper handling may result in malfunction and void the warranty. The remote control is operated by Radio Frequency so it isn't necessary to point the unit at the ceiling fan.

Blade balancing

Whilst every precaution is taken at the factory to ensure your fan is of the highest quality, imbalance may occur. This may be due to slight irregularities in the blades or material densities. Further problems can be caused by deviating from these instructions.

The following procedure may help to rectify the situation.

1. The hanger bracket must always be tight against the ceiling so that no movement can occur.
 2. Make sure that the downrod is firmly locked into the hanger ball on top of the fan. The locking screw should be securely tightened. Hanger Ball slot is locked into the tab in the hanger bracket.
 3. Check all the blades are firmly tightened onto the motor.
 4. Changing over two adjacent blades - may correct any imbalance causing wobble.
 5. Please note that downrod style of fans have a slight level of movement but this is not dangerous. Longer downrods may amplify the amount of wobble.
-

Care and cleaning

The motor has permanently sealed bearings so no lubrication is necessary.

Periodic cleaning of your new fan is recommended (particularly the blades). The plated or painted surfaces of your fan have been sealed with a lacquer to minimize any discoloration or tarnishing. Therefore use a soft brush or lint free cloth to avoid scratching the surface.

Do not use water or chemicals when cleaning your fan as this could damage the surfaces of the casing and the blades and may create the possibility of an electric shock.

ThreeSixty Fans - Plain English Warranty Terms

SHOULD THERE BE ANY INSTALLATION ISSUES OR DEFECTS PLEASE IMMEDIATELY CALL OUR SUPPORT HELP LINE ON 1300 469 326 FOR ASSISTANCE AND ADVICE. DO NOT ATTEMPT TO UNINSTALL OR REMOVE THE PRODUCT FROM THE CEILING UNLESS SPECIFICALLY ADVISED TO BY THREESIXTY FANS AS THIS WILL CAUSE DELAYS DIAGNOSING AND RESOLVING THE ISSUE.

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a refund or replacement for a major failure and for 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.

Mechanical and Structural Components

Your Product is covered against mechanical and structural defects that prevent it from working by a limited 36 month on-site warranty. This warranty covers only the product itself and excludes workmanship or materials related to its installation or any modifications. A major failure may be, for example, a motor defect preventing a product from operating shortly after it was first installed or if it was damaged while in the original packaging. If the product stops working due to a mechanical or structural defect within the first 36 months we will repair or replace the product at our discretion.

Electronic Components

Your Product is covered against electronic defects that prevent it from working by a limited 12 month on-site warranty. This warranty covers only the electronics supplied with the product and excludes workmanship or materials related to its installation or any modifications. A major failure may be, for example, a power module that failed shortly after it was first installed or if it was damaged while in the original packaging. If the product stops working due to an electronic defect within the first 12 months we will repair or replace the electronic part at our discretion.

Compensation for reasonably foreseeable loss

Compensation normally comprises us paying associated labour costs to replace the defective product if it's installed within a reasonable distance from our repair agent. If beyond a reasonable distance (30km) you can arrange your own electrician and we will compensate you for this up to a maximum of \$115.00 inc GST. Note, we do not pay extra for extended travelling time or additional costs when the job requires a longer than average time to complete.

To prevent or limit costs you may incur for service calls, you must notify us of the intention to use your own contractor and *not engage one until we have spoken to them* (to arrange parts that may be required). **If the problem is not a defect covered by our warranty terms you will have to pay all costs.** To reduce cost and inconvenience for all involved we will do our best to diagnose the fault and supply parts before the contractor visits the site.

Eligibility for In-Home Service Calls

Hard wired electrical products must (by law) be installed by a licensed electrician. To obtain in-home warranty service **you must be able to provide a copy of the installing electricians invoice or the Certificate of Compliance given to you when the product was first wired up and tested.** If you cannot provide this information we limit our warranty to repair or replacement of the product at our workshop and you will bear the costs of removal, shipping to us and reinstallation. We will pay the freight to send the rectified unit back to you.

Access to products

Products installed on ceilings 4m and above may require special access equipment or WH&S measures. All costs for this equipment must be borne by the site owner and the ceiling height given when booking a service call. If a service agent chooses not to access a product installed at height due to WH&S concerns the owner must remove and reinstall the product at their own expense.

Isolation Switches

Australian Standards require our instructions to state an isolation switch must be fitted. This allows the product to be physically switched off in case of faults or to prevent damage from surges, lightning, etc. Emergency disconnection and/or remote control re-programming that can't be performed due to lack of an isolation switch is not covered by warranty.

ThreeSixty Fans - Plain English Warranty Terms

Commencement

The warranty period begins from date of purchase and in-home warranty service is available only at the site of original installation. If the product is installed as part of a project or development the warranty period commences when the product was delivered to the site.

Damage

Damage from Force Majeure, electrical surges, wind, rain, lightning, power grid fluctuations, water ingress, condensation or use with incompatible power sources will not be rectified under warranty. Likewise solid state or dimmer type speed controls may damage ceiling fans or cause them to make unusual noises. Genuine parts and advice are available through our online and telephone support services.

Cosmetic defects

Carefully inspect your product prior to installation and notify us as soon as possible if there are cosmetic defects. Cosmetic defects are generally not covered by warranty unless present when the product is initially unpacked. Damage from being struck by objects or not being kept clean is not covered by warranty.

Corrosion

Deterioration of finishes, including rusting, pitting, corrosion, fading, tarnishing or peeling is not covered by warranty beyond six months. Products specified as corrosion resistant or made from Stainless Steel are not corrosion proof and will discolour or deteriorate if not cleaned. As a guide, maintain your product as you would your kitchen appliances (clean every 3 months).

Noise

Signals sent through the power grid by the electricity supplier may cause intermittent noises in your product. These noises are not the result of a fault and filters to reduce this noise may be available at additional expense.

Clicking, ticking and creaking noises from fans are usually caused by the mounting bracket not being correctly attached or when blades screws are loose. Only use the hardware provided to install ceiling fans. If the mounting bracket is attached using counter-sunk screws it will work loose and cause unwanted noise and movement in your fan. Wooden bladed fans may need their blade screws periodically tightened. Unless a product is defective noise will not be rectified under warranty.

Wobbling

Wobbling is generally not caused by a defective fan but by air currents in the room. After a fan has been running for a long period it will cause air currents to form and, depending on the shape of the room and its furnishings, the air returning to the fan may be uneven.

Improper mounting will also cause a fan to wobble. Every mounting bracket screw must be secured to solid materials in the ceiling. Metal C section rafters may need to be doubled to form a box section to prevent flexing. Foam sandwich ceiling panels will require reinforcing to stop flexing. Unless a product is defective wobbling will not be rectified under warranty.

Airflow

The amount of airflow produced by a fan is dependent on where it's installed because room shape, mounting height and furnishings will affect the perceived air movement. A product is deemed to be functioning normally if it is running within 15% of the specified RPM when installed.

Purchase Date: _____

Seller Name: _____

Product Model: _____

Installed By: _____

License Number: _____

Contact number: _____

Light Model: _____

Remote Control: _____

Ceiling Height: _____

Isolation Switch: Yes No