

112CM/44"
ORION
W/LIGHT

FANTASIA DISTRIBUTION LTD.

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CSA7052902



**OWNERS INSTRUCTION
MANUAL**

112CM/44"
ORION
W/LIGHT

- **INSTALLATION**
- **OPERATION**
- **MAINTENANCE**

CAUTION

READ INSTRUCTIONS CAREFULLY FOR SAFE
INSTALLATION AND FAN OPERATION. IF UNSURE CONSULT
A QUALIFIED ELECTRICIAN

SUITABLE FOR 230V/50 CYCLE ELECTRICAL SUPPLY
Enquiries on installing your fan please call our help line on
01959-564440

Safety Precautions

1. To ensure the success of the installation be sure to read the instructions and study the diagrams thoroughly before commencing.
2. All electrical work should only be undertaken after disconnection of the power by removing fuses or turning off the circuit breaker to ensure all pole isolation of the electrical supply. If you are in any doubt the services of a qualified electrician should be sought to ensure that all work is carried out in accordance with the I.E.E. Regulations, current good practice and other national and local electrical codes.
3. Make sure that your installation site will not allow the rotating fan blades to come into contact with any object and that there is a minimum clearance of 150mm (6") from the blade tip to the wall or ceiling. Please note that the bigger this clearance is the better the airflow from your fan will be. Ensure the blades are mounted at a minimum height of 2.3 meters (7'6") from the floor when the fan is installed.
4. The fixing point for the fan must be able to support a weight of ten times that of the net weight of the fan. Net weights can be found on the bottom of the unit's box. If you are mounting the fan to a ceiling junction box, the box and it's fixing must be able to support the moving weight of the fan and must not twist or work loose.
5. The fan must be earthed.
6. Do not connect the fan motor to a dimmer switch. This may give an unsatisfactory performance (motor hum) and cause damage to the motor.
7. It is not recommended that ceiling fans and gas appliances are operated in the same room at the same time.
8. The fan must be turned off and stopped completely before reversing the fan direction. This will prevent any damage to the motor of the unit or controller (if installed).
9. Do not insert anything into the fan blades while the fan is operating. This will damage the blades and upset the balance of the unit causing the unit to wobble.
10. After the fan is completely installed make sure that all connections are secure and tight to prevent any problems.
11. Because of the fan's natural movement, some connections may loosen. Check the support connections, brackets and blade attachments twice a year to make sure they are all secure. If they are loose tighten with a screwdriver. (it is not necessary to take the fan down from the ceiling)

Note : The important safeguards and instructions given in this manual are not meant to cover all possible conditions and situations that may occur. It must be understood that common sense, caution and care are factors which cannot be built into any product. These factors must be supplied by the persons caring for and using the unit.

For installation advice, or in the unlikely event of damaged or missing parts please ring

HELPLINE : 01959 564 440

Supplied Parts

- One fan motor assembly
- One hanger bracket fitted with terminal block and top rubber washers
- One 6" drop rod & canopy had been pre-assembled onto the fan
- One set of wooden blade
- One screw-pack & 100W J-type halogen light bulb
- One opal glass
- One installation booklet.

Tools and Materials Required

- Philips screwdriver
- Blade screwdriver
- Small electrical screwdriver
- Electrical pliers
- Step ladder
- Wiring supplies as required by current electrical practice
- Bulbs if a light fitting is fitted / to be fitted
- In-line crimps or other suitable connectors if an extension rod in excess of 760mm (30 inch) is to be fitted.

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

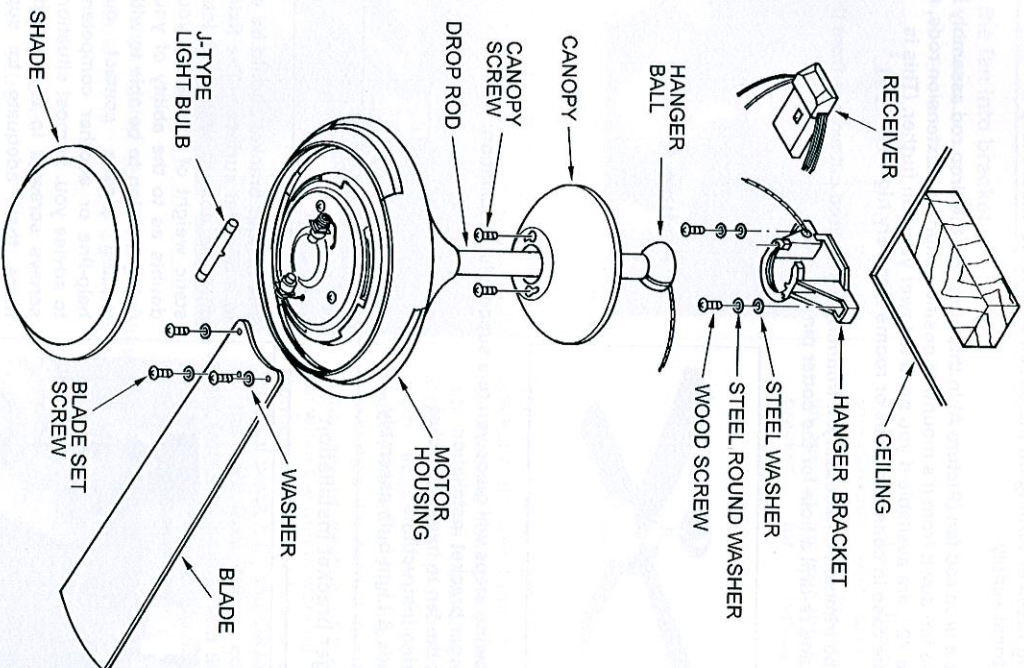
Installation Difficulties, Missing or Damaged Parts

If you have any difficulty in installing your fan/light 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 (01959 56440). We will be very pleased to provide help or forward replacements parts to you immediately.

In any communication with us please quote model reference, colour of the unit and the part missing or damaged.

HELPLINE
01959 564440

Parts names and their relative positions

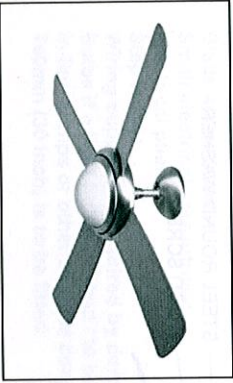


Installing the fan

All electrical work should only be undertaken after disconnection of the power by removing fuses or turning off the circuit breaker to ensure all pole isolation of the electrical supply.

Your fan is a drop rod fan (Picture A) In this situation the drop rod assembly is used to lower the fan down from it's mounting position slightly. Extension rods, ranging from 12" to 72", are available if you need to lower your fan further. (This is normally the case in conservatories or rooms with very high ceilings.)

Rods can be trimmed if necessary. If trimming is required cut excess from the bottom of the rod and re-drill a hole for the cotter pin.

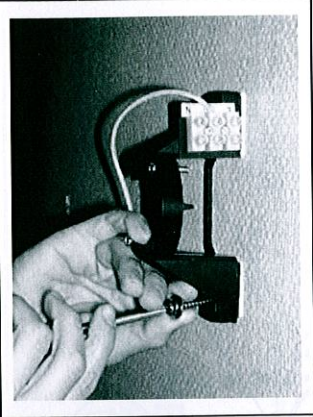


Picture A

The following steps will guide you to a successful installation:

1. Hanger bracket installation
2. Lift the fan to hanger bracket
3. Wiring instructions
4. Blade & Light bulb assembly

1. Hanger bracket installation

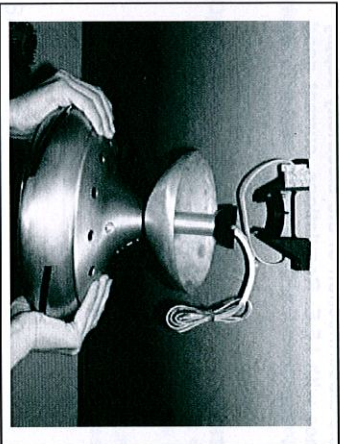


The hanger bracket should be screwed on to a firm flat surface. The fixing location must be able to withstand ten times the static weight of the fan. If you have any doubts as to the ability of your intended fixing location to be able to withstand this loading please contact our service help-line or another competent authority to advise you. In most situation two wood screws screwed in to a wooden joist is more than adequate to support your ceiling fan.

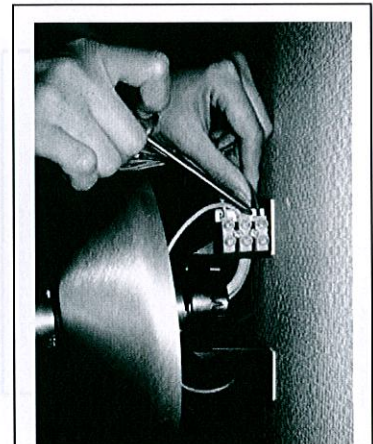
The hanger bracket should be screwed onto the joist with the two wood screws provided. The washers provided should go in the following sequence:

Screw head > Steel washer > Steel round washer > Hanger bracket > Ceiling. Screw the hanger bracket to the ceiling and make sure all connections are secure to prevent the fan from falling. Fixings must screw into a joist and not just the plasterboard. Loosen the two canopy screws from the hanger bracket.

2. Hang the fan into bracket



Your fan had been pre-assembly with drop rod and canopy. Please lift the fan up to hanger bracket for wiring connection



Steer the ball in from the side of the bracket and lower it into the recess of the bracket. Rotate the ball around until the groove in the side of the ball aligns with the protrusion on the upper edge of the recess. When aligned the fan should drop slightly as it assumes it's correct position. This is to prevent rotation of the rod and fan when the unit is working. Connect the BROWN wire of fan to terminal block "L" and ORANGE wire to the wire from ceiling connect to light from wall control and BLUE wire to "N" and earth wire to earth on the hanging bracket.

Connect the BROWN or RED wire from ceiling (A.C. POWER) to terminal block "L" and BLUE wire to "N" and earth wire to earth on the hanging bracket. Then it will be

BROWN to BROWN
BLUE to BLUE
EARTH to EARTH

After finishing all steps, please refer the connection of wall control at page 6 and 7

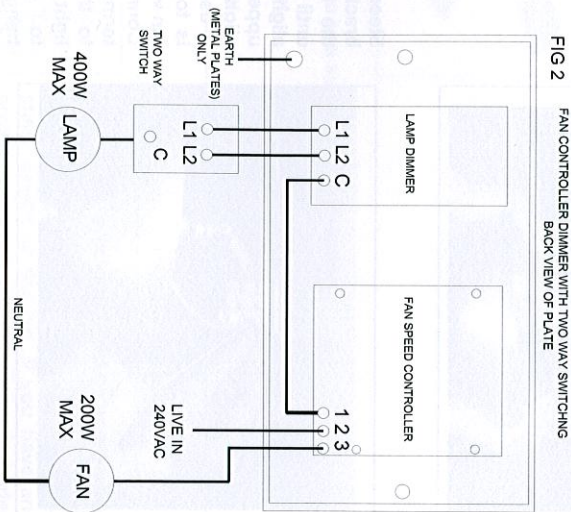
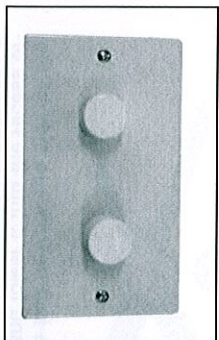
3. Wiring Instructions

The fan is supplied with a wall control, please see the following wire diagram connection.

Please note:

Before installation ensure that you have all pole disconnection of the electricity supply and that all wiring is carried out in accordance with I.E.E. Regulations, current good practice, national and local electrical codes. Improper installation may result in an electrical short and may void your warranty.

IMPORTANT: THIS APPLIANCE MUST BE EARTHED.
Wall Control:



Please fit the plastic gasket supplied (metal plates only) to prevent tarnishing or chemical reactions between plates and wall coverings (paper/plaster/paint). Clean the plates using a soft cloth (slightly damp). Do not use abrasive or aggressive cleaning agents. These products are for internal domestic use only. They must not be installed in bathrooms, swimming pools, areas of high humidity or where water/moisture may combine with electrical accessories and present an electrical shock hazard to users. Only for use with 240VAC 50Hz supplies. Minimum wall box depth required is 25mm. The controllers are only suitable for ceiling fans rated up to 200W. The lamp dimmer is only suitable for use with Tungsten filament lamps (min. 60W max. 400W). One or two way switching

Wall switch operating the fan and the light

Connections Orange supply on the fan is connected to the switched Live supply no. 2.

Brown supply is connected to the switched Live supply no. 1

Blue supply is connected to the Neutral supply (Black)
Green/Yellow earth lead is connected to the Earth supply (Green/yellow).

Note: The type of installation requires two switched lines so a "three core earth" is required.

Operations

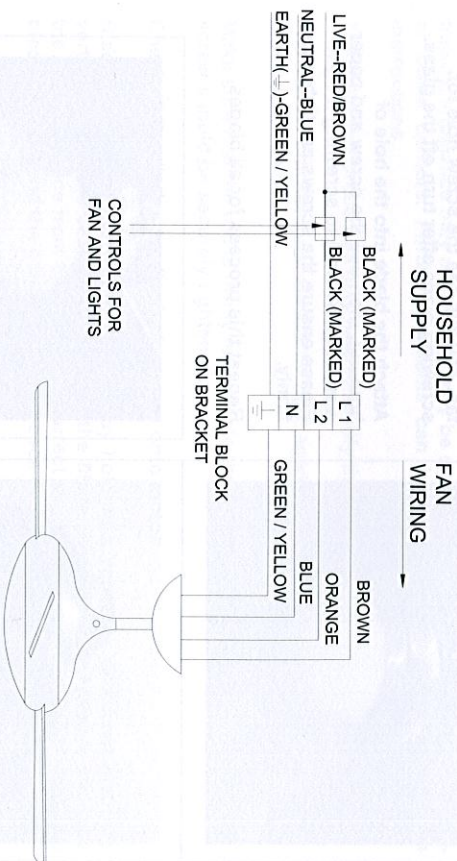
The light is controlled by the wall switch.

Two switches are used here a normal on/off dimmer switch

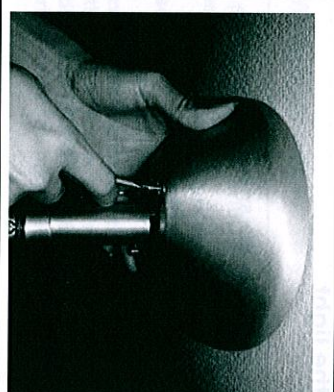
Can be used for the light.

A normal on/off or wall mounted speed control can be used here. A dimmer switch can not be used.

See diagram



Do not connect the motor supply cable to a dimmer switch. If a wall mounted control for the fan is required then we recommend you contact our help-line.



Once the cables of the fan have been connected. Offer the canopy up to the hanger bracket and insert the screws in the hanger bracket. Tighten all the screws to ensure a good safe fixing.

It is important to fix the canopy properly as this offers another level of safety should anything happen to the hanger bracket.

Now is a good time to test that the fan operates correctly.

With the wall control on check that the fan operates in both directions and that there is a difference in speed (this won't be exact as the blades are not installed yet). Please call the help line if you have any problem when operation the fan.

4. Attach the assembled blades onto the fan



Turn off the glass for Attaching blade to fan. You will see the screw hole for screwing blade after turn off the glass.

Attach the blade into the hole of housing, then use the screw and paper washer (provided) to screwing it tight. Please ensure the screws are tightened firmly.

Repeat this process for all blades



Install the halogen light bulb (provided) to socket and put the glass back when you finish all the blades assembly.

Operating instructions

Having checked that all electrical connections are securely made and insulated, turn on the power and check the operation of the fan. Turn the wall control to change the speed High-Medium-Low and off.

The slide switch on the top of housing changes the direction of rotation of the blades. (Remember to let the fan slow to a complete stop before changing the direction of rotation). When looking up at the fan blades, anti-clockwise rotation achieves a downward flow of air and clockwise rotation achieves an upward movement of air.

Summer operation – In warm weather a downward movement of air is more desirable as this achieves a greater cooling effect.

Winter operation – In winter a movement of air moving upwards and then back down the sides of the room achieves a more balanced temperature throughout the room.

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 blade carriers. Further problems can be caused by deviating from these instructions.

The following procedure may help to rectify the situation.

The hanger bracket must always be tight against the ceiling so that no movement can occur.

Make sure that the rod is firmly locked into the boss on top of the fan. The locking screw should be securely tightened.

Check all the blades are firmly tightened onto motor

Blade tracking can easily be checked by holding a yardstick or similar measure vertically from the ceiling to the tip of the blade. Then check all blades measure the same distance from that point. To correct slight problems in the alignment of a blade, gently bend the carrier to bring it back in line.

Changing over two adjacent blades – may correct any imbalance.

Use the universal balancing kit supplied with the fan.

Please note that drop rod styles of fans do have a slight level of movement but this is in no way dangerous.

Care and cleaning

Ensure that periodic checks of the fixings takes place. (see Safety Precaution 9)

Periodic cleaning of your new Fantasia 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.

The motor has permanently sealed bearings so no lubrication is necessary

Do not use water when cleaning you fan as this could damage the surfaces of the casing and the blades and may create the possibility of a electric shock.

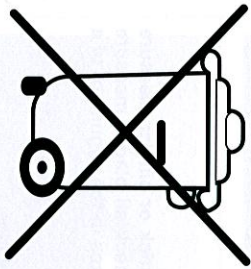
Tips from Fantasia

If you have a false ceiling, connect the hanger bracket on to the main structure and use an extension rod to lower the fan below the false ceiling. (Remember to allow adequate clearance for the rotating blades.)

The hanger bracket can be mounted on to a surface up to 40°. The fan will have to be installed in the drop rod style of mounting for this. (Remember to allow adequate clearance for the rotating blades – see Safety Precaution 3).

If you are installing more than one fan make sure that you do not mix the fan blade sets.

Product Disposal Instructions



This product has been classed as Electrical or Electronic Equipment and should not be disposed of with other household or commercial waste at the end of it's working life.

The Waste of Electrical and Electronic Equipment (WEEE) Directive (2002/96/EC) has been put in place to recycle products using best available practice and minimise the impact upon the environment.