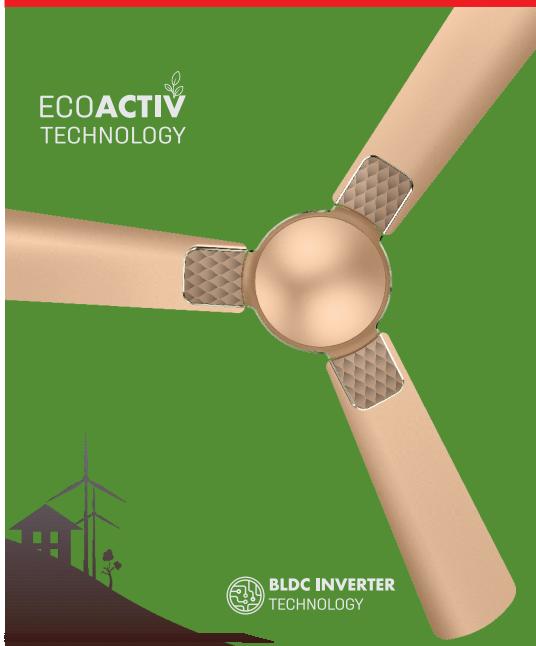


# Operating Instructions

ECOACTIV  
TECHNOLOGY



BLDC INVERTER  
TECHNOLOGY

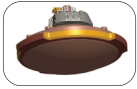
Enticer **BLDC**  
PRIME



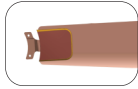
**HAVELLS**

## PACKAGE CONTENTS

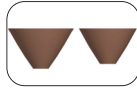
In the box check for following items :



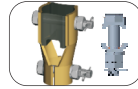
Motor with PCB  
Controller (1 N)



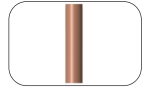
Blade set (1 N)  
containing Blades (3 N)



Canopy Set (1 N)



Shackle Kit (1 N)



Downrod (1 N)



AAA Batteries  
(2 N)




Remote (1 N)

### REMOTE PAIRING:

NOTE: Remote supplied along with fan is already paired with your fan.  
Follow below pairing instructions if your fan remote or PCB is changed.

Following steps have to be executed in correct sequence and all steps should be done within 10 seconds.

1. Power ON fan, from the main supply.
2. Press the  button on the remote once.
3. Press the Fan Speed 1 button on the remote once.

Successful pairing will be confirmed by two beeps from the Fan.

Note: If pairing fails repeat the steps after powering OFF the fan from the mains.

### Remote Un-Pairing

To un-pair the unwanted remote, repeat the complete pairing process two times on the remote you want to keep using, with minimum 1 minute time between first and second pairing. The unwanted remote will be automatically unpaired.

### FAN INSTALLATION:

Blade Installation (Figure 1 & 2 )

1. Unfasten blade screw from Motor.
2. Align the blade holes with motor holes and fasten the blade screws securely.

**IMPORTANT :** While tightening the blade screws on motor, ensure that blade profile is not damaged.

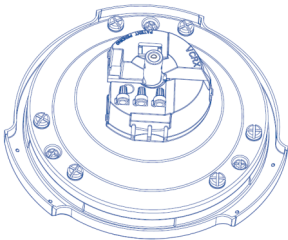


Figure 1

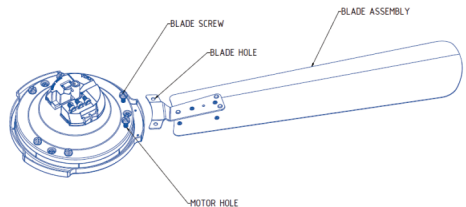
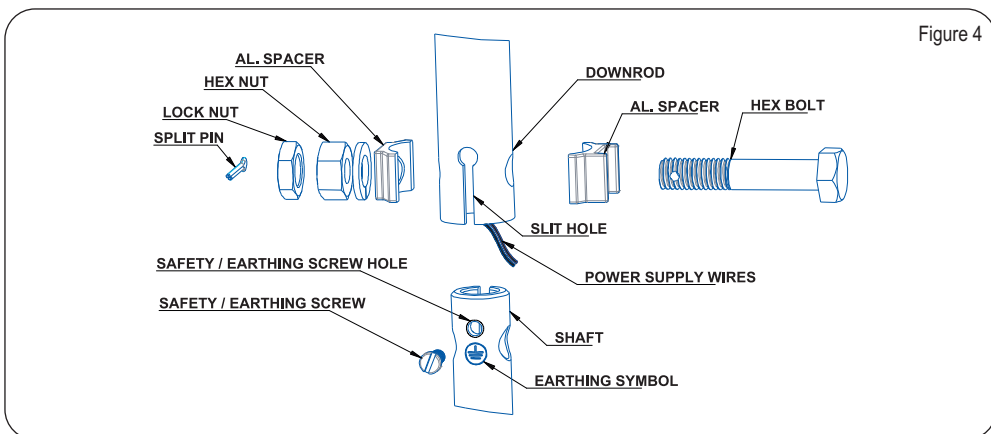
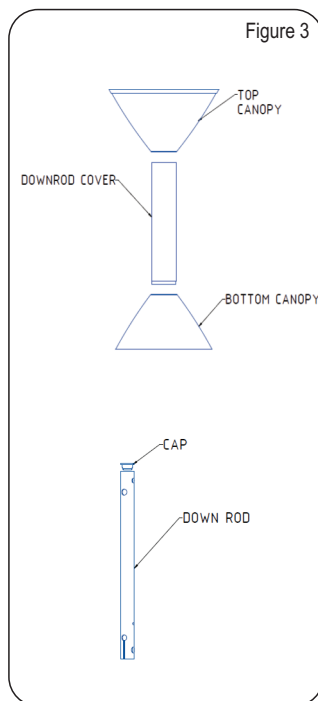


Figure 2

## FAN INSTALLATION :

For installation of Fan with downrod, the following instructions and methods are to be followed.

1. Remove the downrod cap from downrod and slide the bottom canopy over the downrod and then slide top canopy from top side.
2. Pass the Power supply & earthing wires (to be installed by customer at their end) through the downrod from top side holes and pull the wires from slit hole of the downrod.
3. Remove the split pin, hex nut, lock nut, spring washer, aluminium spacers from the bolt assembly supplied with the shackle assembly (Figure 4). Remove the safety/earthing screw on the shaft and keep it securely
4. Slide the downrod (from split end side) over the shaft. Align the cross holes on the downrod and the shaft.
5. Now use one Aluminium spacer on each side of the down rod for gripping and insert the bolt, place the spring washer and tighten the hex nut and the lock nut and tighten them fully, holding the bolt head with a spanner.
6. Ensure that this bolt is fully tightened. Insert the split pin and separate the projected ends.
7. Fix the earthing wire to safety/earthing screw and tighten the safety screw to shaft over down rod which was removed previously
8. The shackle assembly provided has hex bolt with hex nuts, lock nuts and split pins. When hanging the fan on the hanger the hex bolts should be securely tightened with hex nuts & lock nut.
9. The split pins should be securely replaced in their place as shown in, assembled and exploded views (Figure 3 & Figure 4)



## For Installation of Fan with Ceiling Hook:

1. Steps to mount fan on ceiling hook as shown below:

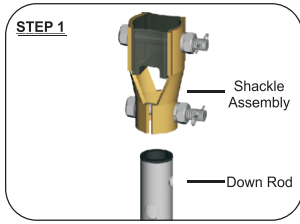


Figure 7

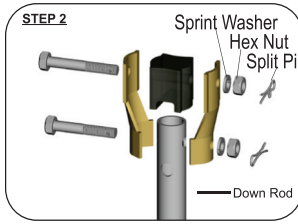


Figure 8

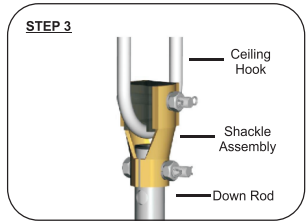
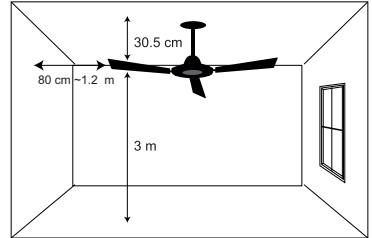


Figure 9

### Installation Guideline for Better Performance:

- To optimize the Air delivery, ceiling fan should be approx. 3 m from the Ground level and 30.5 cm below the ceiling.
- Remote Maximum Range in all direction is 3 m (with good battery condition) This range may vary if there are obstructions between remote and fan.
- Keep Minimum 80 cm ~ 1.2 m distance b/w blade tip and side walls.



### Selection Guide:

- Ceiling Fan recommended sweep for different room sizes:

Model Size	Sweep / size (mm)	Suitable for room size
Ceiling Fan	600 mm	For Small Shops, Cabins & Toilets
Ceiling Fan	750 mm	1.8 m x 3 m
Ceiling Fan	900 mm	2.1 m x 3 m
Ceiling Fan	1050 mm	3 m x 3 m
Ceiling Fan	1200 mm	3.6 m x 3.9 m
Ceiling Fan	1400 mm	4.2 m x 4.8 m

### Troubleshooting:

#### Problem

A. Fan does not start

#### Solution

1. Check circuit fuses or breakers.

2. Check line wire connections of the fan.

Caution: Make sure Main power is OFF.

B. Fan sounds Noisy

1. Make sure all motor housing screw are snug.

2. Make sure the screws that attach the fan blade to the motor hub is tight.

3. Make sure there is a gap between Top Canopy and Ceiling.

C. Fan Wobbles

1. Ensure all blades are of same numerical code.

D. Remote Sensing is poor

1. Change old battery with new.

2. Please ensure the remote is directed towards the fan.

E. Fan changes its speed on its own

1. Disable the Breeze or Sleep mode if it is selected.

F. Fan Suddenly stops and restarts Randomly

Check for Voltage Fluctuations

1. Make Sure Downrod is properly tight.

G. Fan doesn't start & produces tick sound

1. Turn OFF the Fan and Connect all phase wire properly with Appropriate colour

H. Fan runs at same speed on two steps with Regulator

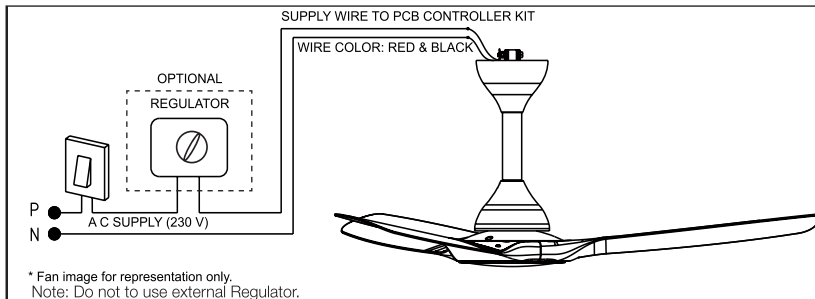
1. Turn ON the Fan & operate the Fan at all Speed steps Regulator from Regulator minimum of 30 seconds so that impedance will be read by controller like (5-4-3-2-1-2-3-4-5) and (5-4-3-2-1-2-3-4-5)



## Warning:

1. Do not damage the blade while installing or cleaning the fan.
2. Do not insert foreign objects between rotating fan blades.
3. Tighten the ceiling plate separately with screw in ceiling.
4. Tighten the safety screw & down rod bolt properly and lock with lock nut & split pin.

## Wiring Diagram



## KEY FEATURES:

### Sleep Mode

Fan reduces speed level at fixed interval

1. If fan is running at SPEED LEVEL 5 than speed will reduce one level at 90 minutes interval till 1st speed and continuously run at 1st speed.
2. If fan is running at SPEED LEVEL 4 than speed will reduce one level at 120 minutes interval till 1st speed and continuously run at 1st speed.
3. If fan is running at SPEED LEVEL 3 than speed will reduce one level at 180 minutes interval till 1st speed and continuously run at 1st speed.
4. If fan is running at SPEED LEVEL 2 than speed will reduce one level at 360 minutes interval till 1st speed and continuously run at 1st speed.

### Breeze Mode

Fan Speed will gradually increase and decrease from set speed i.e. Fan speed increases progressively up to max speed, then decreases progressively upto minimum speed continuously in loop.







Timer

Timer enables user to set turn OFF time up to 8 hours in the interval of 2 hours.

### Memory Backup

In case power trips OFF & ON. No need to get up and set the speed again. Last Fan status will be saved in Fan.


### Remote Operating Function:

1. Fan Speed ON/OFF:
  - Press  button to switch ON and switch OFF the Fan Speed.
2. Fan Speed:
  - 1, 2, 3, 4 & 5: Press the desired button for their respective fan speed.
3. Mode : Breeze  / Mop  / Sleep 
  - Press  button to select/deselect respective Mode, selected LED icon will illuminate for 5 seconds
  - Breeze  Mode: Fan speed gradually increased to maximum speed and decreased to minimum speed from set speed continuously.

• Mop  Mode:

Fan will run at 5th speed for 3 minutes then Fan OFF, Turn ON Fan again from either Remote or Mains Supply

• Sleep  Mode: Fan reduces speed level gradually in fixed interval

1. If fan is running at SPEED LEVEL 5 than speed will reduce one level at 90 minutes interval till 1st speed and continuously run at 1st speed.
  2. If fan is running at SPEED LEVEL 4 than speed will reduce one level at 120 minutes interval till 1st speed and continuously run at 1st speed.
  3. If fan is running at SPEED LEVEL 3 than speed will reduce one level at 180 minutes interval till 1st speed and continuously run at 1st speed.
  4. If fan is running at SPEED LEVEL 2 than speed will reduce one level at 360 minutes interval till 1st speed and continuously run at 1st speed.
- 5 2 h, 4 h, 6 h, 8 h: Press  button to select/deselect respective Timer LED icon, selected icon will illuminate for 5 seconds. i.e. Fan will work on the set speed for selected hours before Powering OFF automatically.

**NOTE:**

1. Use AAA Battery (2 N) available in box. In case battery is drained, use AAA Battery (2 N) of preferred brand
2. To deactivate Fan modes (Breeze, Mop & Sleep) press any speed control button or any other mode button on Remote.
3. After Power cutoff and resume, all the Fan modes & timer will be deactivate.

**Regulator Operating Functions:**

To make the Fan Compatible with the Regulator, Turn ON the Fan & operate the Fan at all Speed steps from Regulator minimum of 30 seconds, so that Regulator impedance will be read by controller like (5-4-3-2-1-2-3-4-5) and (5-4-3-2-1-2-3-4-5). By Completing these 2 cycles, customer Regulator will be COMPATIBLE to Havells Enticer BLDC Prime.

**1. Fan Power ON/OFF:**

Fan will be Turn ON and OFF from Regulator

**2. Fan Speed Control:**

Fan Speed Can be controlled with Regulator.

**NOTE:** If Fan Regulator is set at Speed 3, then by Remote Customer can control only 1,2,3 Speed. On pressing 4th Speed Button from Remote, PCB will give 2 beeps indicating Regulator is set at lower speeds.

**3. TIMERS:**

Timer can be set by Remote for 2,4,6,8 Hours for Fan Speed set from Regulator.

**4. MODES:**

**Breeze Mode:**

If Regulator set at Speed 2, then Breeze Mode will work 2, 1, 2, 1, 2...

Maximum step for Breeze Mode will be decided by Regulator Set Step

**Mop Mode:**

If Regulator set at Speed 3, then Mop Mode will run on Speed 3 considering it as Max Speed.

**Sleep Mode:**

If Regulator set at Speed 4, then Sleep Mode will be active from Speed 4 considering it as Max speed.

# E-WASTE DISPOSAL

## Environmental Compliances:

As per the rules laid down by the Government for environmental concern & safety, your product has been made to comply and conform to the respective regulation as listed below. This product falls under the E-WASTE (MANAGEMENT) RULES, 2022 with all amendments of Ministry of Environment, Forest & Climate Change.



## RoHS Declaration:

This Product is in conformity with requirements of Rule 16 of the E-WASTE (MANAGEMENT) RULES, 2022 with all amendments. The content of hazardous substances with the exemption of the applications listed in SCHEDULE II of the E-Waste (Management) Rules, 2022 with all amendments is as follows:

- Lead (Pb): not over 0.1% by weight;
- Mercury (Hg): not over 0.1% by weight;
- Cadmium (Cd): not over 0.01% by weight;
- Hexavalent Chromium (Cr6+): not over 0.1% by weight;
- Polybrominated Biphenyls (PBBs): not over 0.1% by weight;
- Polybrominated Diphenyl Ethers (PBDEs): not over 0.1% by weight.

## Do's and Don'ts for disposal of product:



### 1. Do's:

- Always drop your used electrical/electronic products, defective spares or any accessories and packaging materials after the end of their life at the nearest authorized collection point/center.
- Make sure that your electronic products are recycled only by authorized recyclers/dismantlers.
- Segregate the packaging materials according to their respective waste disposal options and sorting for recycling.
- Protect the glass surface of any electronic product to avoid breakage.

### 2. Don'ts:

- Never dismantle your electronic product yourself.
- Never sell or give E-Waste to informal and unorganized sectors like local scrap dealer/rag pickers.
- Never dump E-Waste in garbage bins or municipal solid waste stream.
- Do not dispose your product as unsorted municipal waste.

## For more information on safe disposal, recycling and collection point, visit our website

<https://www.havells.com/en/discover-havells/ewaste-awareness.html>

or write a mail to [ewaste@havells.com](mailto:ewaste@havells.com)

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230224/V1

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