



## Installation Instructions – DC w/light Fan

**Important Note:** The wall switch provided must be used with this motor, the warranty will be voided if not followed. Power supply should be turned off prior to any contact with the electrical wires. It is recommended that an electrician be hired to install your fan. Make sure the fan mounting bracket is attached securely to the ceiling in a robust manner - strong enough to hold this larger than normal fan. Observe all local and national electrical codes. This is a two person job.

### **Instructions:**

- 1) Mount the C channel mounting bracket to the ceiling with suitable lag screws. The mounting bracket is pre-drilled for 16" centers, so position it to allow for screwing into a stud at each end of the mount, after running the electrical supply wires through the large hole on the top of the mount. Drill a pilot hole in the studs before screwing the lag screws into them. If you have a sloped ceiling, then position the mount up and down with the ceiling to allow for the fan to swing down to horizontal. Be sure you mount this securely to the ceiling! The C channel mount may be cut shorter if desired
- 2) Place the fan with the wires facing up into a 5 gallon bucket, to prepare the fan for hanging. Connect the light plug to the light ring and secure the light onto the three clamps. Run the wire from the motor through the down rod, and then attach the down rod to the motor connector with the bolt and lock nut provided.
- 3) Attach the fan to the ceiling by aligning the down rod into the center of the C channel ceiling mount, and push a bolt through the aligned holes. Tighten bolt firmly with the lock nut provided.
- 4) Connect the electric wires (Black/White/Green) to the supply wires in the ceiling.
- 5) **\*\*Connect the labeled light wire to a separate "hot" wire running to a separate switch from the motor. \*\*the light wires need to be connected to a AC powered switch. (note that the controller provided is only for the DC powered motor, a separate power wire is required for the light switch)**
- 6) Connect the speed controller box to the household supply wires, making sure you connect using the wires marked Input from the bottom of the controller box. This speed controller uses 115 AC input, and then converts it to DC for the motor. Connect the wires marked To Fan to the wires running up to the fan. The DC current will work fine using the normal Romex wires installed in most homes. Hang the box on the wall.
- 7) Stand clear of fan and turn on the power supply to the controller box, then turn on the power at the controller box with the speed dial set at 0, to check operation. The fan will turn slowly at 0. Check operation at speed. The unit is set up at the factory to take about 10 seconds to get to high speed, to protect the motor.
- 8) Attach the blades, which were previously attached for testing at our factory, and are now numbered to fit your fan. ***Wear protective eyewear for this step.*** Find blade #1 and position it to the corresponding #1 hole on the inner ring. Using the self-tapping screws (provided), attach blade to the outer ring first, then attach it to the inner ring –firmly but do not strip the hole. Next, attach blade #10 to the opposite side of fan, for balancing reasons. Continue with blade #2, then #11, etc.
- 9) Some wobble is to be expected with a fan this size, but you can use the balancing kit (provided) to minimize this. The powerful geared fan motor will make a slight gear-meshing noise when operating, and this is normal.

**Note:** We recommend attaching the blades after the fan is hung to minimize the weight while positioning this large fan to the ceiling mount.

*Call our helpline for assistance at 972-834-5555.*