



# EC INLINE MIXED FLOW DUCT FAN USER'S GUIDE

## Read Before Using This Fan

To ensure safety, please read and save the following instructions before using this fan

**USE** this fan only as intended. Use other than as described may result in electric shock or injury to persons.

1. This product is intended for indoor use only.
2. Install with duct on inlet and duct and/or fan attenuator/silencer on exhaust of fan.
3. Install guard screens if personnel have access to inlet or exhaust of fan.
4. For general ventilating use only.
5. Warning: Do not use to exhaust hazardous explosive materials and vapors.

**DO NOT** use this fan in the following circumstances.

1. Flammable or hazardous atmosphere, near explosive gases, or chemical dust.
2. Environmental humidity is above 90%.
3. Operating Temperature is less than 15°F or -10°C, or above 140°F for 60°C.
4. Environment with significant dust.
5. Places where children or pets have easy access to the fan blades.



## Read Before Installing This Fan

1. Unpack and check fan for damage; ensure that the fan impeller spins freely and not touching fan housing.
2. Use a pre-filter on the absorption axis to prevent dust, oil and other foreign substances from building up on the impeller. Build up of dust and or foreign material can cause an out-of-balance impeller and excessive vibration. Excessive vibration will reduce fan life expectancy.
3. Use the appropriate attachment screws for the surface material being selected to mount the fan. Use the supplied mounting bracket or fan housing.
4. Do not install fan on sheet rock or weak surface.
5. Do not deform fan bracket or fan housing.
6. After completing the installation, electrical work and duct work, Perform the test operation to confirm if the fan operates normally.
7. After turning the power on the fan should rotate freely and build up speed normally.
8. If there is a abnormal noise or no rotation, check all connections and check power supply.

## Read Before Using and Installing the SPEED CONTROLLER

The speed controller is for low voltage use only. To reduce the risk of electric shock, please observe the following:

1. Always turn off the power or isolate the fan from the power source before connecting or disconnecting the speed control cable to the fan.
2. Always turn off the power or isolate the fan from the power source before connecting or disconnecting the speed control cable to the speed controller.
3. The Speed Controller will allow the user to select the desired fan speed of the fan(RPM).
4. Selecting different RPM will affect the volume of the air flow and the pressure in the duct.
5. The fan may be operated without the speed controller. In this case the RPM will default to maximum RPM.
6. Do not use near water or other fluid.
7. Do not use with damaged plug or damaged cable.
8. Do not use near flammable gasses or source of heat.

## WARNING

1. Check that the voltage rating on the fan is the same as supply voltage(110V/220V)
2. Do not insert or allow foreign objects into fan or duct connected to fan.
3. Do not connect fan to power before duct work is in place.
4. Do not allow liquids to contact the fan or the fan housing as this may cause electric shock and/or fire hazard.
5. Do not place objects on the fan housing as this may cause fire hazard or electric shock or injury.
6. Do not puncture fan housing with screw, bolts, etc.
7. Make sure that the power is disconnected whenever performing maintenance.

