FANTECH FG4

Fantech FG4 4" Duct 135 CFM Inline Centrifugal Fan User Manual

Model: FG4 | Brand: FANTECH

INTRODUCTION

This user manual provides essential information for the safe and efficient installation, operation, and maintenance of your Fantech FG4 4" Duct 135 CFM Inline Centrifugal Fan. Please read this manual thoroughly before installation and retain it for future reference.

Image: The Fantech FG4 4-inch inline centrifugal fan, featuring a silver metallic housing and a black electrical box attached to its side. This fan is designed for duct installation.

SAFETY INFORMATION

- Always disconnect power before servicing or cleaning the unit.
- Installation must be performed by a qualified electrician in accordance with all local and national electrical codes.
- Do not use this fan with any solid-state speed control device unless specifically designed for it.
- Ensure proper grounding to reduce the risk of electric shock.
- Keep foreign objects away from the fan blades.
- This fan is for indoor use only.

SETUP AND INSTALLATION

The Fantech FG4 fan is designed for inline duct installation. Follow these steps for proper setup:

1. **Mounting Location:** Select a suitable location in the ductwork that allows for easy access for maintenance and provides adequate space around the fan for airflow. The fan can be mounted at any angle.
2. **Duct Connection:** Connect the fan to 4-inch diameter ductwork using appropriate clamps or tape to ensure an airtight seal.
3. **Electrical Wiring:**

   - Ensure power is disconnected at the circuit breaker before wiring.
   - Connect the fan's electrical wires to the power supply according to the wiring diagram provided inside the fan's junction box cover.
   - The fan operates on 12 Volts. Verify your power supply matches this requirement.
   - All wiring must comply with local and national electrical codes (e.g., NEC).

4. **Testing:** Once installed and wired, restore power and test the fan's operation.

OPERATING INSTRUCTIONS

The Fantech FG4 fan is designed for continuous or intermittent operation to move air through duct systems. It can be controlled via a standard wall switch or a compatible remote control system (if applicable and purchased separately).

- **Power On/Off:** Use the connected wall switch or remote control to turn the fan on or off.
- **Airflow Direction:** Ensure the fan is installed with the airflow arrow on the casing pointing in the desired direction of air movement.
- **Speed Control:** If a compatible speed controller is installed, adjust the fan speed as needed. The fan supports 3 power levels if controlled by a compatible device.

MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your Fantech FG4 fan.

1. **Power Disconnection:** Always disconnect power to the fan at the circuit breaker before performing any maintenance.
2. **Cleaning Fan Blades:**

   - Periodically inspect the fan blades for dust and debris accumulation.
   - Carefully wipe the blades with a soft, damp cloth. Do not use abrasive cleaners or solvents.
   - Ensure blades are dry before restoring power.

3. **Motor Lubrication:** The fan motor is permanently lubricated and requires no additional lubrication.
4. **Ductwork Inspection:** Periodically check the ductwork connected to the fan for any blockages or leaks that could impede airflow.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Fan does not operate	No power supply Loose wiring Motor malfunction	Check circuit breaker and power switch Verify all electrical connections are secure (with power off) Contact Fantech support if motor is faulty

Problem	Possible Cause	Solution
Reduced airflow	Blocked ductwork Dirty fan blades Incorrect fan speed setting	Inspect and clear duct obstructions Clean fan blades (see Maintenance section) Adjust speed controller if applicable
Excessive noise	Loose mounting Debris in fan Damaged fan blades	Ensure fan is securely mounted Inspect and remove any debris Contact Fantech support if blades are damaged

SPECIFICATIONS

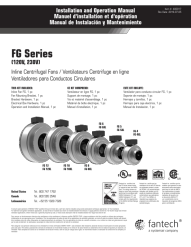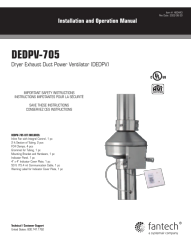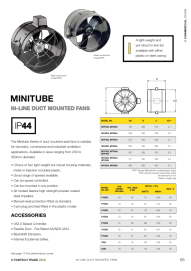| Feature	Detail
Model Name	FG4
Brand	FANTECH
Duct Size	4 inches
Air Flow Capacity	135 Cubic Feet Per Minute (CFM)
Power Source	Corded Electric
Voltage	12 Volts
Indoor/Outdoor Usage	Indoor
Certifications	CSA, UL
Material	Plastic (Blades), Metallic (Housing)

WARRANTY AND SUPPORT

Fantech products are manufactured to the highest standards and are backed by a limited warranty. For specific warranty details, please refer to the warranty card included with your product or visit the official Fantech website.

For technical support, replacement parts, or warranty claims, please contact Fantech customer service:

- **Website:** www.fantech.net
- **Phone:** Refer to Fantech's official website for current contact numbers.

When contacting support, please have your product model number (FG4) and purchase date available.

Related Documents - FG4

[Fantech FG Series Inline Centrifugal Fan Installation and Operation Manual](#)

Installation and operation guide for Fantech FG Series inline centrifugal duct fans. Includes safety warnings, dimensions, installation procedures, wiring diagrams, troubleshooting, maintenance, and warranty information.

[Fantech FRD Series Inline Centrifugal Fans Installation and Operation Manual](#)

Installation and operation guide for Fantech FRD Series inline centrifugal fans. Covers parts, safety, mounting, dimensions, wiring, and warranty. Features AMCA and UL/cULus certifications.

[Fantech FSD Series Fan Installation Instructions and Manual](#)

Comprehensive installation instructions, safety warnings, mounting illustrations, dimensional data, wiring schematics, and warranty information for Fantech FSD Series inline duct fans, including models FSD 18, FSD 20, FSD 22, and FSD 26.

[Fantech DEDPV-705 Dryer Exhaust Duct Power Ventilator Installation and Operation Manual](#)

This manual provides comprehensive instructions for the installation and operation of the Fantech DEDPV-705 Dryer Exhaust Duct Power Ventilator. It includes essential safety information, step-by-step installation guides, sequence of operation, maintenance recommendations, troubleshooting tips, and warranty details.

[Fantech Minitube In-Line Duct Mounted Fans - Technical Specifications](#)

Explore the Fantech Minitube series of in-line duct mounted axial fans. This document provides detailed technical specifications, dimensions, performance data, and available accessories for commercial and industrial ventilation applications.

[Fantech FKD/KD Series Inline Centrifugal Fans Installation and Operation Manual](#)

Comprehensive guide for the installation, operation, and safety precautions for Fantech FKD/KD Series inline centrifugal fans. Includes multilingual instructions, dimensions, wiring diagrams, and warranty information.