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AC Infinity CLOUDLINE T10

AC Infinity CLOUDLINE PRO T10 User Manual

Model: CLOUDLINE T10
Brand: AC Infinity

Introduction

The AC Infinity CLOUDLINE PRO T10 is a quiet 10-inch inline duct fan designed for advanced environmental control. It features a temperature, humidity, and VPD controller with WiFi integration for app control. This fan is ideal for ventilating hydroponic grow rooms, transferring heating and cooling, cooling AV closets, and exhausting odors. Its mixed flow design and PWM-controlled EC-motor ensure quiet and energy-efficient performance.

Safety Information

WARNING: Read all safety warnings and instructions before operating this product. Failure to follow the warnings and instructions may result in electric shock, fire, or serious injury.

- Ensure the power source matches the voltage requirements of the fan (240 Volts).
- Do not operate the fan with a damaged cord or plug.
- Do not immerse the fan or controller in water or other liquids.
- Keep fingers and foreign objects away from the fan blades during operation.
- Ensure proper ventilation during installation and operation to prevent overheating.
- Disconnect power before performing any maintenance or cleaning.
- This product is designed for indoor use only.

Package Contents

- AC Infinity CLOUDLINE PRO T10 Inline Duct Fan
- Smart Controller (Controller 69 PRO)
- Temperature and Humidity Probe
- Power Cord
- Fan to Controller Cord
- Mounting Hardware (brackets, screws)

Setup

1. Mounting the Fan

The CLOUDLINE PRO T10 fan can be mounted in various orientations depending on your ventilation needs. Use the included mounting brackets to secure the fan to a stable surface, such as ceiling joists or a grow tent frame. Ensure the fan is securely fastened to prevent vibration and noise.



Image: Example installation of the CLOUDLINE PRO T10 inline duct fan within a grow tent setup. The fan is suspended and connected to ducting, with the smart controller mounted externally for easy access.

2. Connecting Ducting

Connect appropriate 10-inch ducting to both ends of the inline fan. Use duct clamps or zip ties to ensure a secure and airtight connection. The fan is designed for mixed flow, allowing for flexible intake and exhaust configurations.



Image: A visual representation of the duct fan system, illustrating how the inline fan connects to a carbon filter (not included) and flexible ducting for air circulation. Red and blue arrows indicate airflow direction.

3. Connecting the Controller

Plug the fan's power cord into the smart controller. Connect the temperature and humidity probe to the designated port on the controller. Position the probe in the area where you want to monitor environmental conditions accurately.



Image: The CLOUDLINE PRO T10 fan, its smart controller, and a smartphone showing the integrated app, highlighting the system's components and control options.

Operating Instructions

Controller Overview

The Smart Controller 69 PRO allows for comprehensive control over your ventilation system. It features a digital display and intuitive buttons for navigation and setting adjustments. The controller monitors temperature, humidity, and VPD (Vapor Pressure Deficit).



Image: A detailed diagram of the smart controller's interface, pointing out key features such as independent programs for multiple devices, remote access via WiFi app, advanced automation programming, dynamic temperature and humidity display, climate charts, CSV data export, and alert notifications.

Basic Operation

- **Power On/Off:** Press the power button to turn the unit on or off.
- **Adjusting Speed:** Use the up/down arrows to adjust the fan speed from 1 to 10. The fan features 10 power levels.
- **Mode Selection:** Cycle through different operating modes (e.g., AUTO, ON, OFF, TIMER) using the mode button.
- **Setting Parameters:** In AUTO mode, set desired temperature, humidity, and VPD thresholds. The fan will automatically adjust its speed to maintain these conditions.

WiFi App Control

The CLOUDLINE PRO T10 can be remotely controlled and monitored via the AC Infinity WiFi app. Download the app from your device's app store (available on iOS and Android).

1. Download and install the AC Infinity app.
2. Follow the in-app instructions to connect your controller to your WiFi network.

3. Once connected, you can access advanced programs, view real-time climate data, set automation rules, and receive alert notifications.



Image: A screenshot from the AC Infinity app demonstrating automation settings, including continuous cycle mode and target VPD for a seedling stage, showcasing the detailed control available.



Image: A screenshot from the AC Infinity app displaying real-time temperature, humidity, and VPD readings, along with a historical graph for environmental monitoring.



Image: A screenshot from the AC Infinity app showing various alert notifications, such as inline fan auto mode activation and environmental parameter thresholds being reached.

Maintenance

- **Cleaning:** Periodically clean the fan blades and housing to prevent dust buildup, which can reduce efficiency and increase noise. Use a soft, dry cloth. Do not use harsh chemicals or abrasive cleaners.
- **Inspection:** Regularly inspect the power cord, controller cable, and fan for any signs of damage.
- **Bearings:** The fan uses dual ball bearings, which are designed for long-term, maintenance-free operation. No lubrication is required.

Troubleshooting

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Fan not turning on	No power; Controller disconnected; Fan or controller malfunction.	Check power outlet and connections. Ensure controller is securely connected to the fan. Contact support if issues persist.
Fan is too loud	High fan speed; Obstruction in ducting; Loose mounting.	Reduce fan speed. Check ducting for blockages. Ensure fan is securely mounted.
Inaccurate sensor readings	Probe improperly placed; Dirty probe.	Relocate probe to an area with consistent airflow. Gently clean the probe.
WiFi connectivity issues	Incorrect WiFi password; Router too far; Network interference.	Verify WiFi password. Move controller closer to router. Check for network interference.

Specifications

Feature	Detail
Model Name	CLOUDLINE T10 (AI-CLT10)
Duct Size	10 inches
Airflow Capacity	1201 CFM
Noise Level	48 dBA
Power Usage	250 Watts
Voltage	240 Volts
Controller	Controller 69 PRO (Temperature, Humidity, VPD)
Control Method	App (WiFi Integrated)
Number of Power Levels	10
Bearings	Dual Ball
Product Dimensions	11.3"D x 12.2"W x 15.1"H
Item Weight	18.41 pounds
Indoor/Outdoor Usage	Indoor
UPC	819137020283



Image: A comprehensive diagram illustrating the physical dimensions of the CLOUDLINE T10 fan and its controller, along with probe, power, and fan-to-controller cord lengths.

Warranty and Support

For warranty information and technical support, please visit the official AC Infinity website or contact their customer service. Refer to the original product packaging or the AC Infinity website for the most up-to-date warranty terms and contact details.

You can also find additional resources and FAQs on theAC Infinity Store on Amazon.

For a PDF version of the user manual, please refer to:User Manual (PDF)

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