AIRCRAFT

CABINET COOLING SYSTEM

User Manual

WELCOME

Thank you for choosing AITECAC. We are dedicated to delivering products of exceptional quality and providing top-notch customer service. Should you have questions or suggestions, our team is here to assist you. To get in touch, please visit our official website at *www.aitecac.com*.

Feel free to reach out to us through any of the following contact methods:

E-MAIL
sales@aitecac.com

WEB
www.aitecac.com

TEL
(888) 990-7469

Model	Control Mode	Model	Control Mode
Aircraft S4 INCH	Manual wire buckle	Aircraft T6 INCH	Intelligent control
Aircraft S6 INCH	Manual wire buckle	Aircraft T8 INCH	Intelligent control
Aircraft S12 INCH	Manual wire buckle	Aircraft T12 INCH	Intelligent control
Aircraft S18 INCH	Manual wire buckle	Aircraft T18 INCH	Intelligent control
		Command 13	/

SECURITY WARNING

To ensure safety and optimal performance, please follow these important guidelines when using your fan:

Please install the fan in a fixed place and tighten the fixing screws. Make sure there are no obstacles nearby before operating it.

Don't touch the blades with your hands when the fan is running.

Don't remove or modify the motor yourself.

Please unplug the power cord if you don't use the device for a long time.

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PRODUCT DESCRIPTION

The fans are designed for cabinet cooling purposes. To achieve optimal performance, it is recommended to install the fan at the top of the cabinet to expel warm air and at the bottom to introduce cold air.

To ensure efficient heat dissipation, it is advisable to select a unit model where the fan's air volume can circulate through the cabinet three times per hour. You can determine the required air volume using the following formula:

Required Air Volume = (L × W × H × 3) / 60

Where:
  • L × W × H represents the dimensions of the cabinet's interior space.

Before making a purchase, please verify that the selected unit's size is compatible with your equipment and can be properly installed within the cabinet.

PARTS

S Series Parts List:

Enclosure Fan × 1   USB Adapter × 1   Plastic Template × 1   Screw Set × 1   User Manual × 1

T Series Parts List:

Enclosure Fan × 1   Adapter × 1   Intelligent Control × 1   Temperature Sensor × 1
Plastic Template × 1   Screw Set × 1   User Manual × 1

The Intelligent Control unit can also be purchased separately on Amazon or on the official website and includes a special adapter.
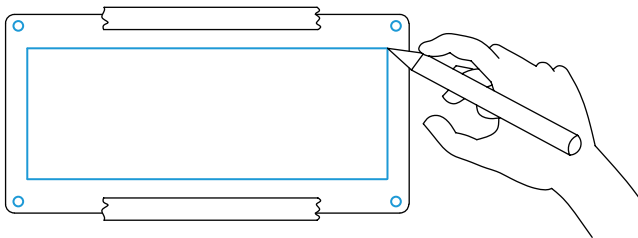
IMPORTANT SAFETY INSTRUCTIONS

1. Before installing and using this product, thoroughly review all provided instructions.

2. For safety reasons, avoid using this product in outdoor settings, near water sources such as sprinklers, bathtubs, or swimming pools, and in locations where water ingress is a possibility.

3. Do not operate this product in potentially hazardous environments, including areas that are flammable, explosive, chemically active, or excessively humid.

4. This product is intended for use exclusively in suitable electrical environments.

5. To maintain the machine's performance and longevity, ensure that the appliance's surface is kept clean. Please use a soft, damp cloth for cleaning and refrain from using abrasive or volatile cleaners or solvents.

6. If you have any uncertainties about the installation process or product usage, promptly contact our customer service for guidance. Incorrect installation can nullify the product's warranty.

7. Always disconnect the power supply before disassembling or assembling the appliance to prevent electrical hazards.

INSTALLATION GUIDE

Step 1: Mark the Mounting Holes

Begin by identifying the wall surface where you intend to mount the unit. Secure the provided plastic template to the wall using tape, and outline the locations of the screw and mounting holes using a pencil (Refer to Figure 1).
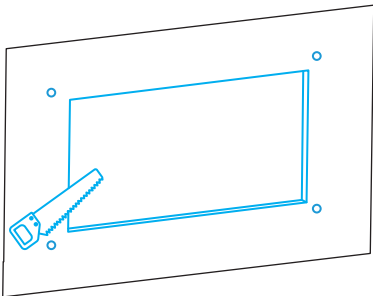
(Figure 1)

INSTALLATION GUIDE
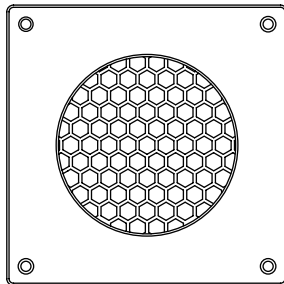
Step 2: Creating Installation Holes

Use a hole drill or saw to cut along the drawn outline. The screw mounting holes will vary depending on the material. Solid wood can be fixed directly with self-tapping screws without drilling holes. Walls made of other materials can be drilled through with a 3/16-inch drill bit. (Figure 2)

(Figure 2)

Step 3: Cabinet Fan Installation

1. Insert the cabinet fan into the mounting hole.
2. Secure it in place using the provided screws (Refer to Figure 3).

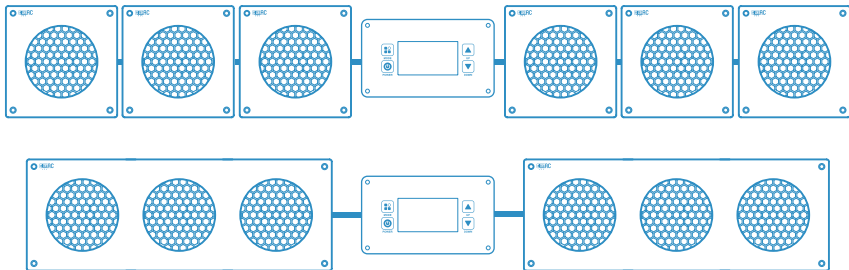(Figure 3)

CABINET FAN SERIES

Additional Fan Connectivity

Each fan unit is equipped with an extra USB port to facilitate the connection of an additional fan. Please note the following specifications:
  • A single USB port can support up to 4 fans.
  • One power socket can accommodate a maximum of 6 fans.

Intelligent Controller

Each USB output port on the intelligent controller manages 3 fans. If your setup includes a manual controller within the wiring, ensure that it is set to the "H" position, allowing the intelligent controller to take control of the fans. This configuration ensures efficient and synchronized operation.
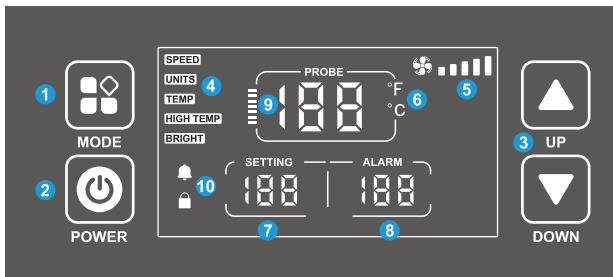
CABINET FAN SERIES

Manual Controller

The manual controller is equipped with four adjustable settings, each denoting a specific air volume level:

- **"O"**: OFF,
- **"L"**: low air volume,
- **"M"**: medium air volume,
- **"H"**: high air volume.

PROGRAMMING

Key Functions

Understanding the key functions of your unit is essential for efficient operation. Here's a breakdown:

1. MODE: Each press of the mode button allows you to adjust the options displayed in the mode bar.

2. Power: To turn the unit on or off, press and hold the power button for 3 seconds.

3. Up and Down Buttons: Use these buttons to increase or decrease various parameters.

Display Area

The display area provides information and feedback for your settings:

4. Settings Display:

This displays relevant parameters, which include SPEED, UNIT, TEMP, HIGH TEMP, and BRIGHTNESS. To set these parameters, use the up/down buttons for adjustment. Confirm your settings by pressing the "on/off" button. This action will save your selected parameters and return you to the main menu for continued operation.

PROGRAMMING

5. Fan Speed

When you access the fan speed mode, the fan icon will flash. Utilize the up and down buttons to adjust the fan speed setting. Confirm your desired settings by pressing the "on/off" button, returning you to the main menu.

6. Temperature Unit

In the temperature unit mode, the current unit icon will flash. To toggle between Fahrenheit and Celsius, press the up and down buttons.

7. Setting the Temperature

Entering the temperature mode, you can adjust the temperature by pressing the up and down buttons. If the display shows "OF" (indicating long-term operation mode), the digits will also display "OF" in high-temperature mode. If you exit the "OF" mode, the high-temperature mode will revert to its original settings.

8. Setting the High Temperature Alarm

Access the high-temperature alarm mode and adjust the temperature range using the up and down buttons. The high temperature alarm can be set within the range of 32 °F to 140 °F (0 °C to 60 °C). Each press of the button will increase or decrease the temperature by 5 °F (1° C). For continuous adjustment, long-press the button to change the parameters every 10 °F (5° C) at a time.

Additionally, if the device's temperature exceeds the set value by 5 °F (1 °C), the fan will automatically run at maximum speed, irrespective of the current fan speed setting. If the temperature falls 10 °F (2 °C) below the set value, the fan will operate at the previously selected fan speed.

PROGRAMMING

9. Temperature Probe Functionality

When the temperature probe is not connected, the display will show "---." In this state, the fan can operate without temperature restrictions when powered on. Upon connection, it will display the current detected temperature.

10. Icon Display Area: High Temperature Alarm and Child Lock

🔔 *High Temperature Alarm Icon:* When the high temperature mode is activated, this icon will illuminate and flash, accompanied by a beep (one beep per second). Press any button to stop the beeping, and the icon will continue to flash until the high-temperature operation is terminated, and the icon will disappear.

🔒 *Child Lock Icon:* To activate the child lock mode, press and hold the menu button for 3 seconds, and the icon will light up. In this mode, no keys can be pressed (except to switch off the device). To deactivate the child lock mode, press and hold the menu button again.

IMPORTANT NOTICE:

1. To enable/disable the parental control mode, press and hold the menu button for 3 seconds.

2. When the menu bar is displayed, press the button to confirm your selection and return to the main interface.

WARRANTY

Upon receiving your product, it is essential to complete the warranty registration process on _www.aitecac. com_. Please submit the registration form to AITECAC, providing us with your purchase and installation details. Failing to register will result in the warranty period commencing from the product's departure from the warehouse. Ensure you keep a record of the serial number and installation date as you will need this information to obtain a Return Authorization (RA) number.

The product is covered by a two-year warranty. If you require warranty service, please contact AITECAC Technical Support via email at _sales@aitecac.com_ or call our local technical service phone number at _(888) 990-7469_. Our support team is available Monday to Friday, from 7:00 AM to 4:00 PM PST, to assist you in obtaining an RA number.

Upon receiving the equipment, either at our maintenance center or warehouse, AITECAC will conduct an initial inspection. If the warranty is found to be invalid, you will be responsible for all associated maintenance and transportation costs.

Please note that the warranty does not cover product abuse or misuse, including physical damage, product immersion, incorrect installation (e.g., incorrect voltage input), or any usage beyond the intended purpose. AITECAC is not liable for any indirect or incidental damages resulting from the product.

In the event of a replacement, a new unit will be provided to you during the current year of the warranty period. If any parts are repaired or replaced by AITECAC, the original warranty terms will continue to apply until their expiration date.

WARRANTY REGISTRATION CARD

PRODUCT REGISTRATION FORM

Register your product by filling in the product registration form below.

ORDER NUMBER: _____

MODEL: _____

SERIAL #: _____

INSTALLER: _____

INSTALLATION DATE: _____

NAME: _____

ADDRESS: _____

CITY: _____

STATE: _____

ZIP: _____

PHONE #: _____

EMAIL: _____

NOTE: If you have any questions, please feel free to contact us at *(888) 990-7469* or *sales@aitecac.com*

Address: 14752 Yorba Ct, Chino, CA 91710 US
Tel: (888) 990-7469
Email: sales@aitecac.com