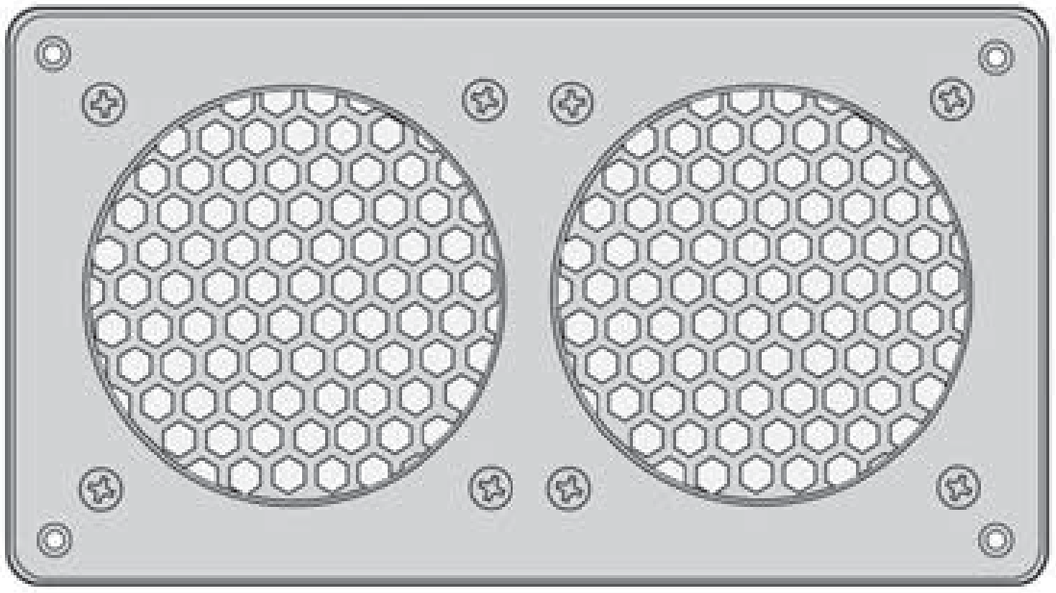
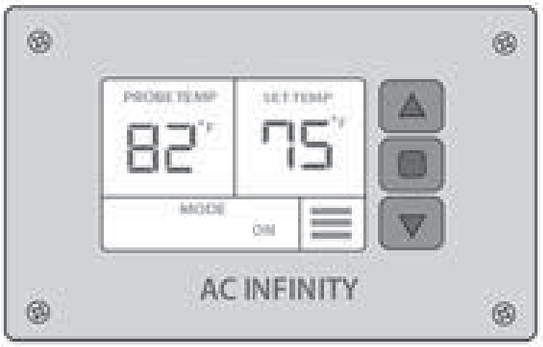
AC INFINITY

AIRPLATE T SERIES

CABINET FAN SYSTEM





INSTALLATION AND WARRANTY MANUAL

PRODUCT	MODEL	UPC-A
AIRPLATE T3	AI-APT3	854759004372
AIRPLATE T7	AI-APT7	854759004389
AIRPLATE T9	AI-APT9	854759004396

ADJUSTING THE BACKLIGHT

The backlight can be customized to be always on or to turn off when the unit is not in use. First, press the mode button until the unit is in OFF mode. To set the back light to be always on, hold the up button until the letters “L” are displayed on the screen. To have the backlight turn off automatically after five seconds of inactivity, hold the down button until the letters “E” are displayed on the screen. Even when the backlight is off, the unit will be working and the content on the display will still be visible.

ADJUSTING THE BUFFER VARIATION

The buffer used in AUTO mode and the degree increment settings in SMART mode can be adjusted. To set the programming to two degrees, hold down the mode and down buttons simultaneously until the numbers “2” are displayed on the screen. To set the programming to four degrees, hold down the mode and up buttons simultaneously until the numbers “4” are displayed on the screen.

FAHRENHEIT OR CELSIUS

The temperatures displayed can be set to Fahrenheit or Celsius by holding the MODE button until °F or °C is shown after the digits. All temperatures displayed will be converted automatically.

IDEAL SET TEMPERATURE

The optimal operating temperature range is between 68° to 75°F (20° to 24°C) for electronics and components. For the average home theater and AV cabinet, we recommend designating the SET TEMP to trigger somewhere between 75° to 85°F depending on the placement of the thermal probe. Temperatures exceeding 85°F may lower performance and reduce life expectancy.

MANUAL INDEX

If you are not 100% satisfied with this product, we will be happy to replace it or issue you a full refund. Please contact us!

EMAIL
support@acinfinity.com

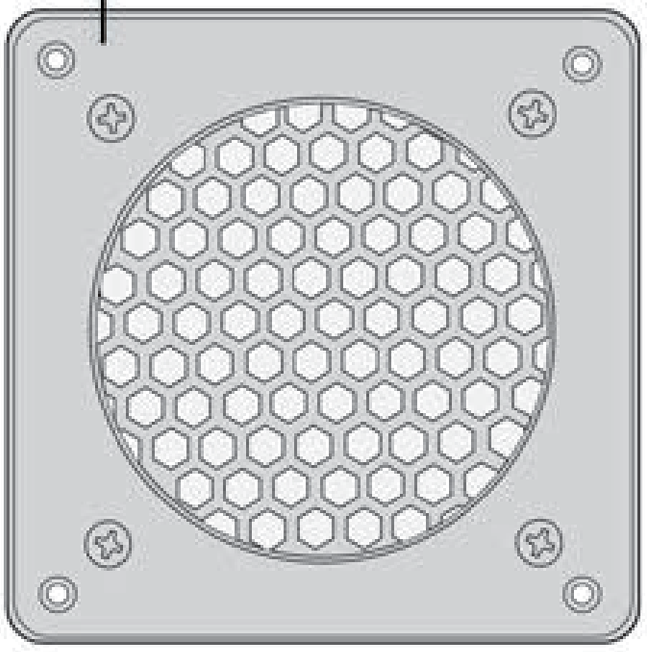
WEB
www.acinfinity.com

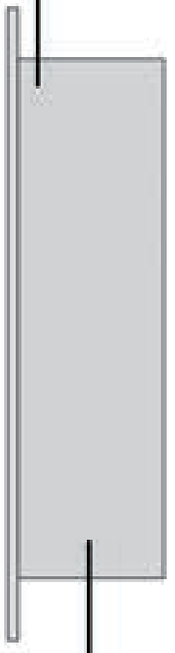
KEY FEATURES

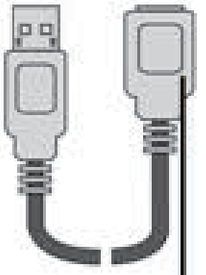
ALUMINIUM FRAME
Features a stainless aluminium frame with a brushed black finish. Edges are machine cut to give cabinets a clean look.

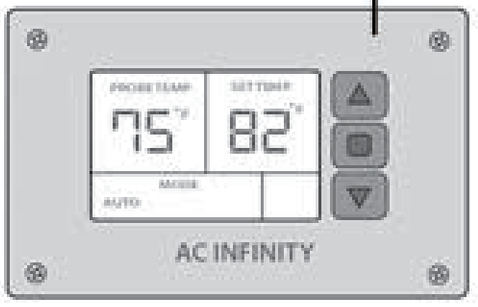
SILICONE GASKET
A 2mm silicone gasket acts as a barrier between the fan and exterior frame to absorb vibrations that cause noise.

ADVANCE CONTROLLER
Allows you to set the temperature at which the fans will turn on and off. Also featues fan speed control.







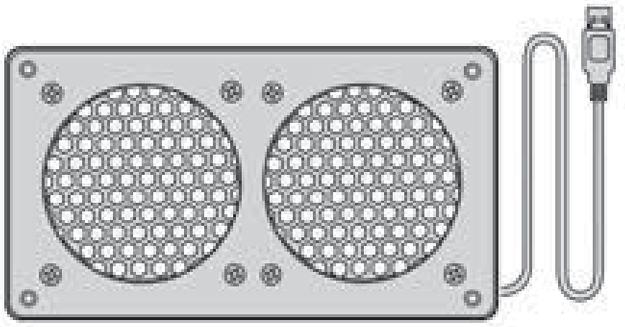


DUAL BALL BEARINGS
Fans contain long life bearings rated at 67,000 hours. Also allows the fan to be mounted in any direction.

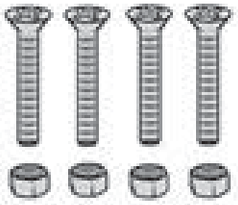
PROTECTIVE CASE
Fans are enclosed in a hard shell cover to prevent instrusion. Gives cabinets a professional appearance

ADDITIONAL USB PORT
Each fan contains an USB port to daisy chain additional fan units. Up to four can share the same power source.

PRODUCT CONTENTS

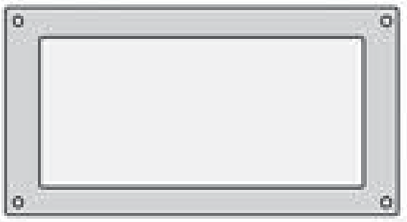


FAN UNIT (Dual model shown.
Can be Single, Dual, or Triple)

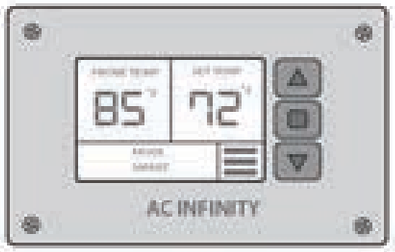


MACHINE SCREWS

WOOD SCREWS

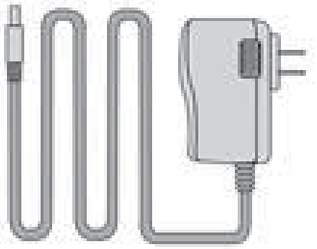


PLASTIC STENCIL

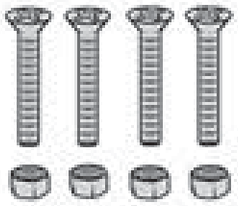


FAN CONTROLLER

PLASTIC STENCIL

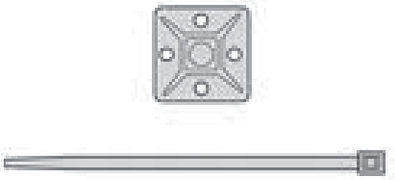


POWER ADAPTER



MACHINE SCREWS

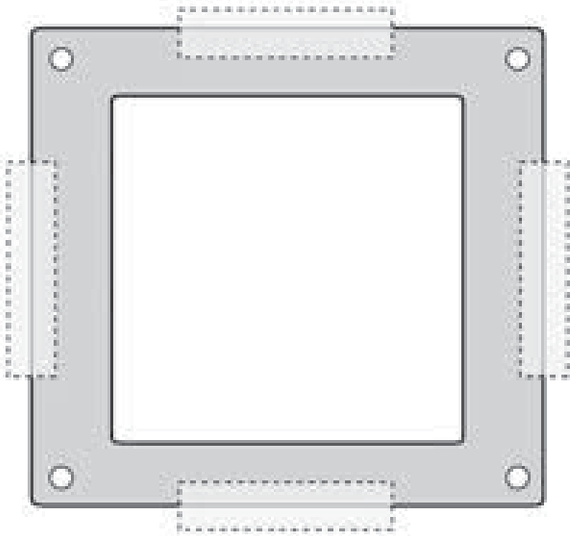
WOOD SCREWS



CABLE MANAGER

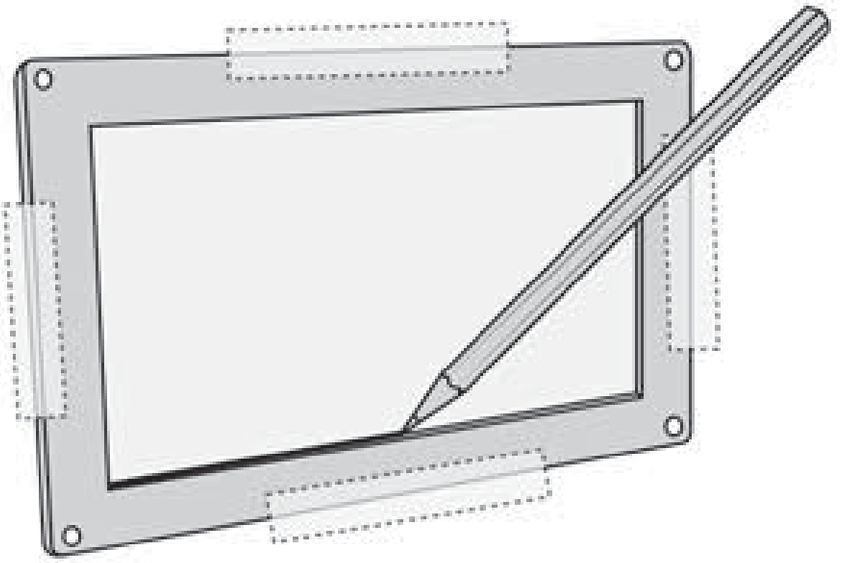
MOUNTING

STEP 1



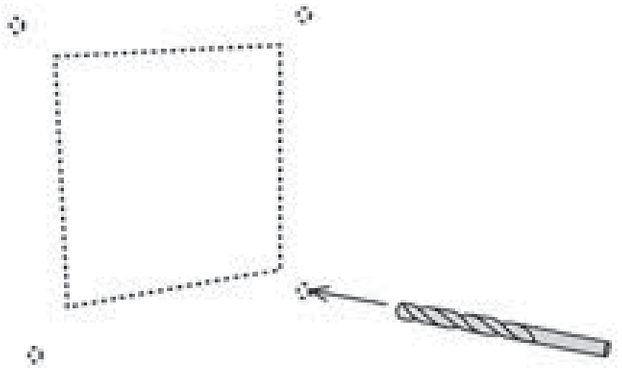
Determine where you wish to mount the fan and controller unit on your cabinet or wall. Position the stencils and apply tape to the outer edges.

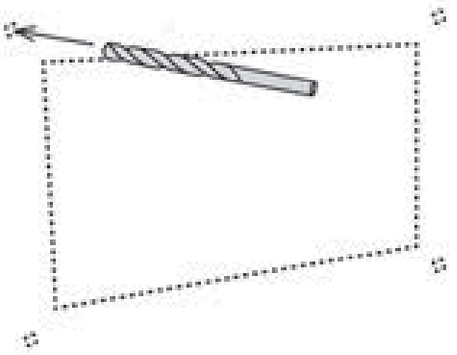
Use a pencil to outline the center square and four outer screw holes on the two stencils. Check for accuracy before proceeding to the next step.



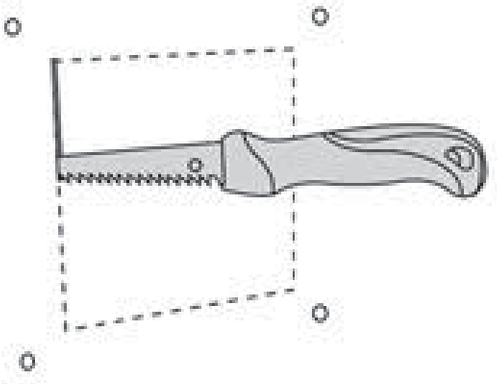
MOUNTING

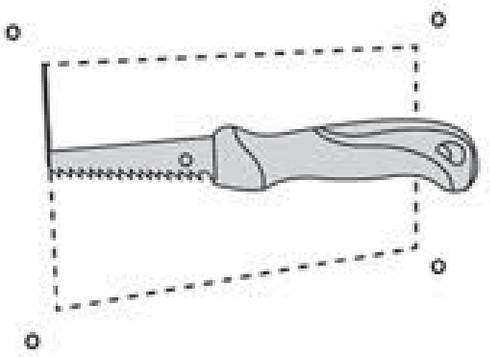
STEP 2





Remove the plastic stencil and tape. If you prefer machine screws instead of wood screws to mount the fan and controller, use a power drill to create four screw holes. Recommended drill bit size 10/64” to 14/64”.

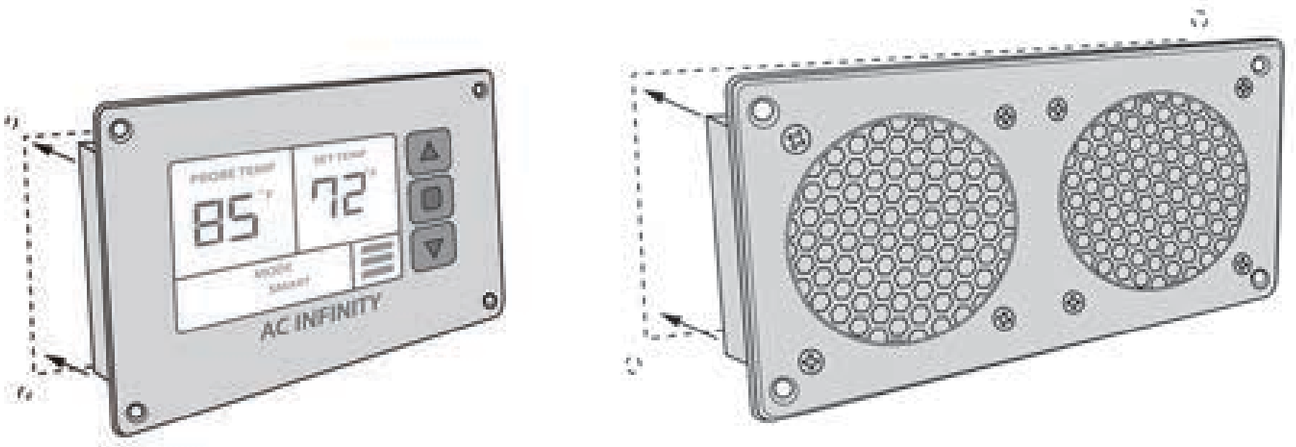




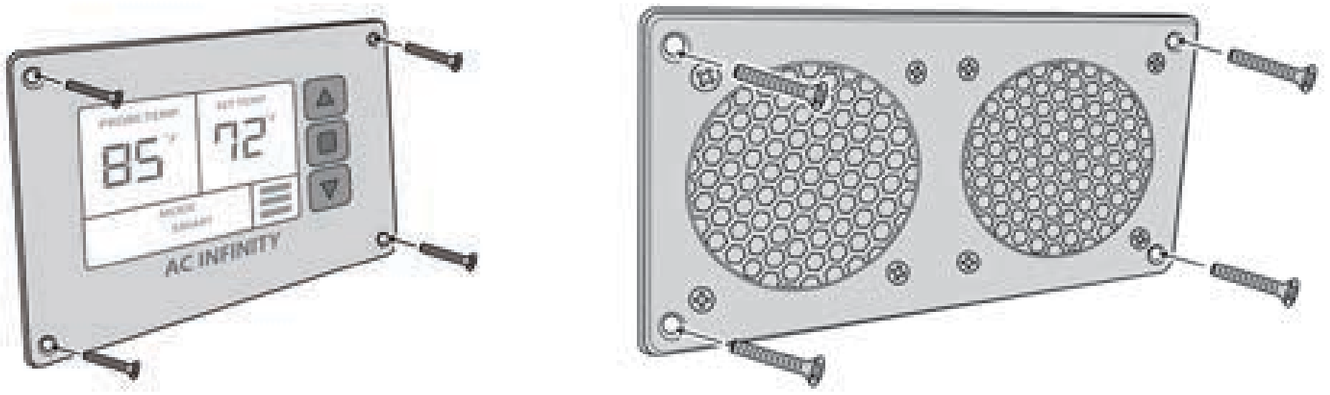
Using a saw, cut out the center piece as outlined by your markings from step one. You may need to first drill a hole at each of the corners to fit your saw through. A power jigsaw may be preferred for thicker wood.

MOUNTING

STEP 3



Place the fan unit into the newly cut square so that each screw hole is properly aligned. Please make sure the cut center hole is large enough that the plastic backside of the fan does not come into contact with the cabinet. This is to minimize vibrations which cause noise.



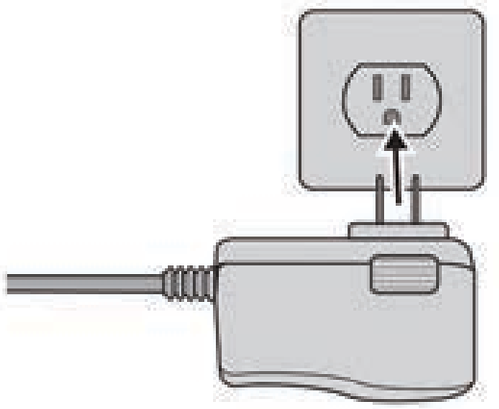
Using the four machine screws, secure the fan unit’s frame onto the cabinet or wall. Push each screw through their corresponding hole located on the frame and wall. The included wood screws can also be used instead. Tighten the nuts on the other side.

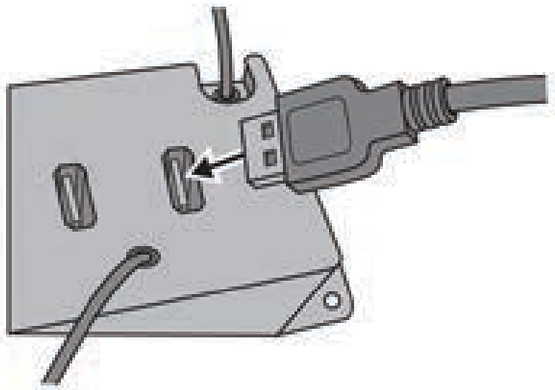
MOUNTING

STEP 4

Plug the male connector of the wall adapter into the female connector of the thermal controller unit.

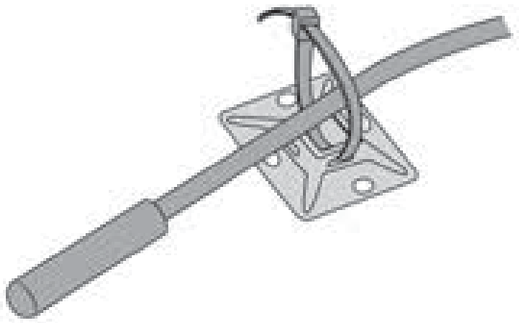
Plug the wall adapter into a wall outlet, which should be a standard 110V.





Plug the fan’s USB plug into the USB port located on the back of the thermal control unit.

You can use the cable manager to secure the thermal probe onto a ideal location near your electronics.



OPERATING

QUICK START

Press the MODE button to go through the four available modes: AUTO, SMART, OFF, and ON. The AUTO mode works just like a thermostat; leave the controller in this mode, then press the up and down triangle buttons to change the SET TEMP on the screen. The PROBE TEMP on the left is the temperature that the controller is measuring. When the PROBE TEMP exceeds the SET TEMP, the fan will start running.

1. SQUARE BUTTON

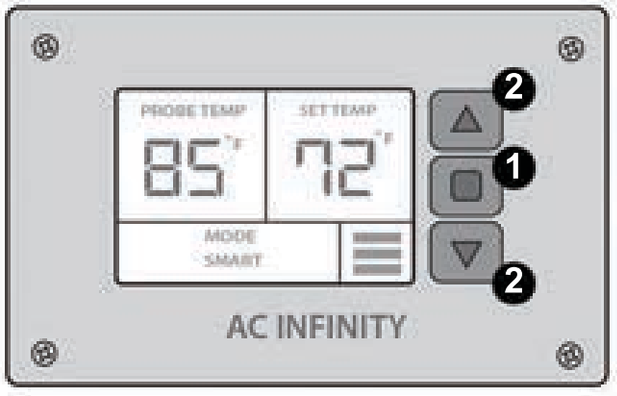
Changes the unit's mode: AUTO, SMART, OFF, and ON. Holding this button for three seconds will change degrees from Fahrenheit to Celsius.

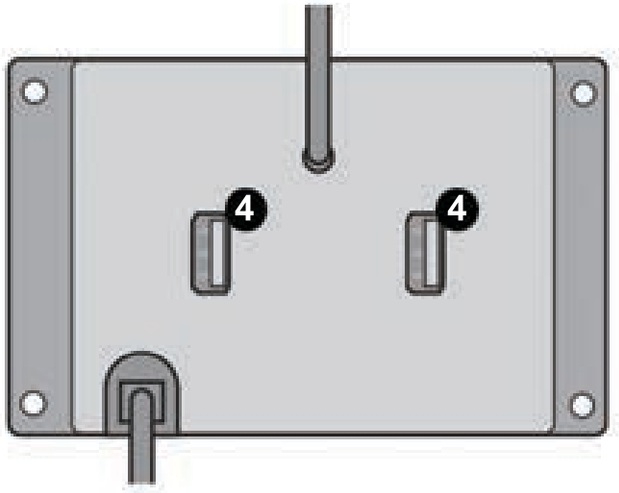
2. UP / DOWN BUTTON

Depending on which mode you are in, the up and down buttons changes the SET TEMP or the speed of the fan.

3. THERMAL PROBE

The unit's thermal probe measures the surrounding temperature and shows it under PROBE TEMP of the display.





4. DUAL USB PORTS

There are two USB ports on the unit's backside which fans can be plugged into. Please see page 14 for compatible fans and more information.

OPERATING

5. PROBE TEMP

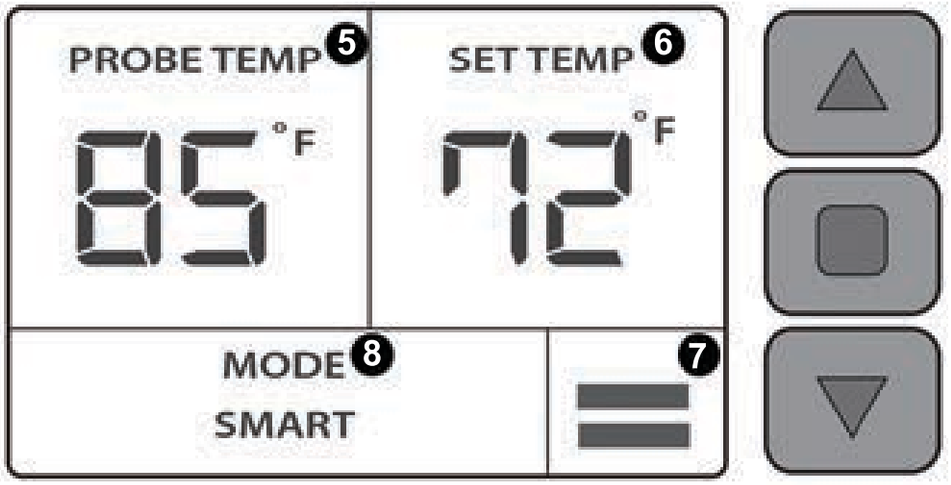
Shows the temperature the unit's thermal probe is measuring. Ranges from 65° to 110°F.

6. SET TEMP

Shows the temperature you set in AUTO or SMART mode for when to start the fan. Ranges from 65° to 110°F.

7. RECTANGLE BLOCKS

The rectangle blocks indicate the speed of the fan. You can set the speed in ON mode, the same speed will be used during AUTO mode.



8. MODE

Shows what mode the controller is currently running on.

ON - On Mode, Page 12
OFF - Off Mode, Page 13
SMART - Smart Mode, Page 13
AUTO - Auto Mode, Page 12

VARIATION BUFFER

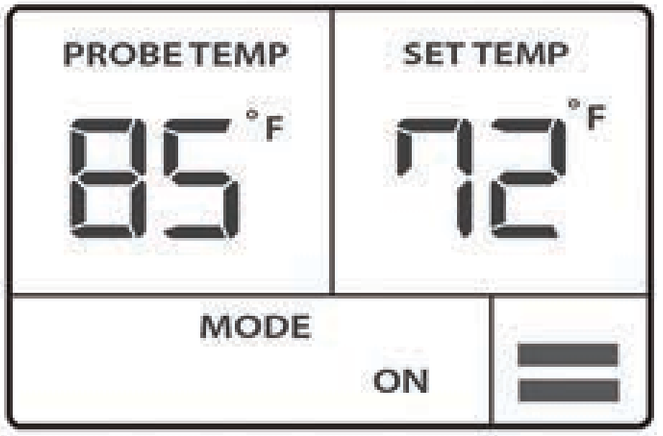
In AUTO mode, there is a buffer built in to prevent your fan from turning on and off too quickly due to small variations in the environment. When the PROBE TEMP exceeds your SET TEMP, the fan will start running immediately. However, the PROBE TEMP will need to fall below your SET TEMP by 4° Fahrenheit or 2° Celsius or more, to stop the fan from running. To change this buffer setting to 2° Fahrenheit or 1° Celsius, please see page 2.

OPERATING

Press the MODE button to change the mode of the controller.

ON MODE

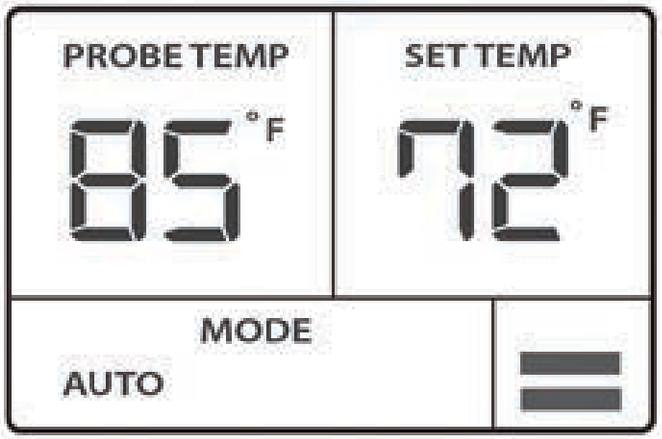
In this mode, the fans are powered on regardless of set temperature. Pressing the up and down buttons while in this mode will change the speed of the fan, indicated by the rectangle blocks. Whichever speed is designated in **ON Mode** will also be the speed used in **AUTO Mode** when the fans are triggered to run.



AUTO MODE

This is the thermostat setting where the fans will be triggered to run when the **PROBE TEMP** reaches or surpasses the **SET TEMP.** The **SET TEMP** can be designated by pressing the up and down buttons.

Please note that there is a 4°F (2°C) variation buffer as described on page 7. For example, if the **SET TEMP** is designated at 80°F, then the fan will start running when the **PROBE TEMP** is equal to or greater than 80°F. However, the fan will not turn off until the **PROBE TEMP** is equal to or below 76°F, which is 4°F below 80°F. The fan will only start running again when the **PROBE TEMP** is equal to or greater than 80°F.



To change the buffer variation to 2°F (1°C) or 4°F (2°C), please see page 2.

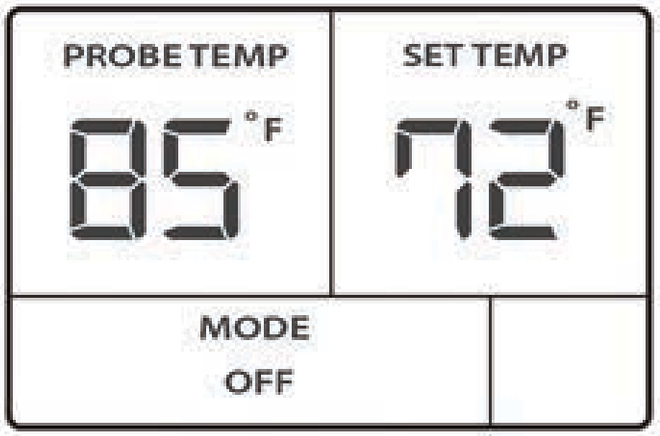
To change the units displayed to Celsius or Fahrenheit, please see page 2.

OPERATING

Press the MODE button to change the mode of the controller.

OFF MODE

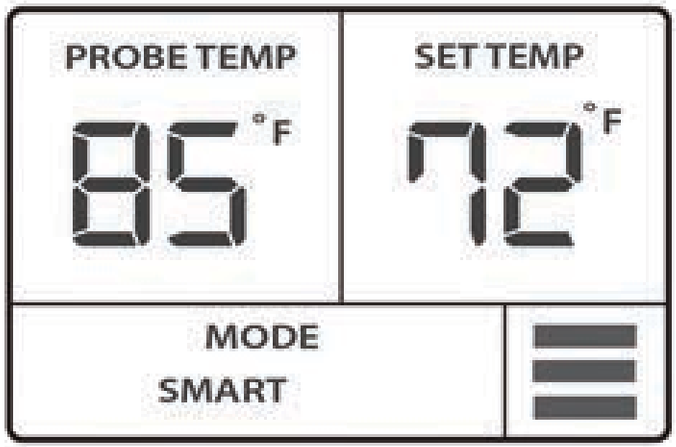
In this mode, the fans are powered off regardless of set temperature or set speed. The backlight setting can be customized by pressing the up or down buttons, please see page 2 for more information.



SMART MODE

This is the energy saving mode where the fans will change speed depending on the temperature. The SET TEMP can be designated by pressing the up and down triangle buttons.

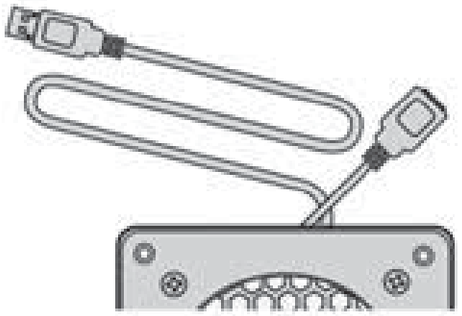
The speed of the fans will run slower the lower the PROBE TEMP is to the SET TEMP. For example, if the SET TEMP is designated at 80°F, then the fan will run at high speed when the PROBE TEMP is 80°F or higher, at medium speed from 76°F to 79°F, at low speed from 72°F to 75°F, and turn off at 71°F or lower. This 4°F increment can be changed to 2°F, please see page 2 for more information.



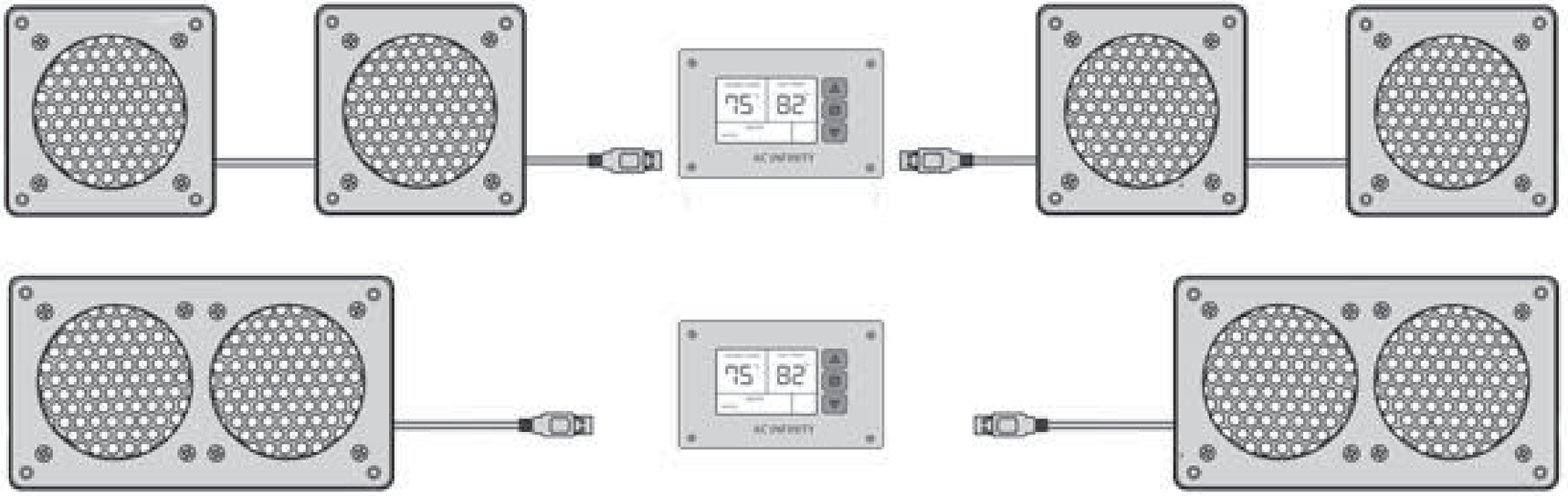
To change the degree increments at which the speed changes from 4°F (2°C) to 2°F (1°C), please see page 2.

To change the units displayed to Celsius or Fahrenheit, please see page 2.

CONNECTING MORE FANS



Each fan unit includes an USB port that can connect an additonal fan. Up to four fans can be controlled by the fan controller. Dual fans count as two fans.



The following models can be added on to the fan controller to increase the performance of your cabinet's cooling system.

PRODUCT	MODEL	DIMENSIONS
AIRPLATE 1	AI-CFS80BA	4.6 x 4.6 x 1.3 in.
AIRPLATE 3	AI-CFS120BA	6.3 x 6.3 x 1.3 in.
AIRPLATE 5	AI-CFD80BA	8.4 x 4.4 x 1.3 in.
AIRPLATE 7	AI-CFD120BA	11.7 x 6.1 x 1.3 in.

WARRANTY

This warranty program is our commitment to you, the original purchaser, that each product sold by AC Infinity will be free from defects in manufacturing for a period of one (1) year from the date of delivery. If a product is found to have a defect in material or workmanship, we will take the appropriate actions defined in this warranty to resolve any issues.

The warranty program applies to any order, purchase, receipt, or use of any products from AC Infinity. The program covers products that have become defective, malfunctioned, or expressively if the product becomes unusable. The warranty program goes into effect on the date of delivery. The program will expire one year from the date of delivery. If your product becomes defective during that period, AC Infinity will replace your product with a new one or issue you a full refund.

The warranty program does not cover abuse or misuse. This includes physical damage, submersion of the product in water, incorrect Installation such as wrong voltage input, and misuse for any reason other than intended purposes. AC Infinity is not responsible for consequential loss or incidental damages of any nature caused by the product. We will not warrant damage from normal wear such as scratches and dings.

If you are not 100% satisfied with this product, we will be happy to replace it or issue you a full refund. Please contact us!