

CONTROLLER INSTALLATION DIAGRAM



PROGRAMMING



1. MODE BUTTON

This button cycles through each of the controller's modes: ON, OFF, TIMER, AUTO (4 triggers), and ALARM (4 settings).

2. UP / DOWN BUTTON

The up and down buttons adjust the settings of the mode that you are in. Up button increases and down button decreases.

3. LEAF BUTTON

This turns the display off while programs run in the background. Hold for two seconds to lock or unlock the display.

3. PROBE TEMP

Displays the current temperature that the corded sensor probe is measuring.

Shows "-" if no probe is plugged in.

4. CONTROLLER MODE

This area displays the mode that the controller is currently in. Press the Mode Button to cycle through the modes.

5. ALERT ICONS

This area displays the alerts and statuses from the controller including alarms and screen lock.

7. PROBE HUMIDITY

Displays the current humidity that the corded sensor probe is measuring. Shows "-" if no probe is plugged in.

8. FAN SPEED

Displays the current speed the fan is running at, or what speed it should be running at if no fans are plugged in.

9. SETTING

Displays the value you have set for the current mode. Press the up or down button to change.

MODE SETTING

Press the Mode button to cycle through the controller's available programming modes and settings: ON Mode, OFF Mode, TIMER Mode, AUTO Mode (4 triggers), ALARM Settings (4 settings).



ON MODE

In this mode, the fans will run continuously regardless of temperature or humidity. The speed set in this mode will be the max speed the fans can reach in AUTO Mode.



OFF MODE

In this mode, the fans will not run regardless of temperature or humidity. While in this mode, pressing the up or down button will change the display's brightness. There are four settings for brightness. (Setting: 1/2/3/A3). On setting A3, if the device is left unattended for 30 seconds, the display will automatically dim its brightness back to setting 1. Holding up

or down button will change the display's units F or C.



TIMER MODE

In this mode, press the up or down button to set a time for the timer. The fans will run at the speed set in ON Mode until the timer's clock runs out, in which the fans will stop running. The clock will begin counting down if no buttons are pressed for 3 seconds. Leaving the timer mode while the countdown is running will pause the clock until you return to this mode.



AUTO MODE: HIGH TEMP

In this mode, press the up or down button to set a high temperature trigger. The fans will activate if the probe's measured temperature exceeds the temperature you have set in this mode. The activated fans will slowly increase in speed until it reaches the speed set in ON Mode. Whenever the measured temperature falls below your set temperature, the fans will slowly decrease in speed until the fans stop. You may also hold the up and down button simultaneously to turn off this trigger, in which the digits under settings will show OFF for off. Note that this trigger can activate to run as long as you are in AUTO Mode, even if you are in setting up the other AUTO Mode triggers.



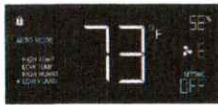
AUTO MODE: LOW TEMP

In this mode, press the up or down button to set a low temperature trigger. The fans will activate if the probe's measured temperature falls below the temperature you have set in this mode. The activated fans will slowly increase in speed until it reaches the speed set in ON Mode. Whenever the measured temperature rises above your set temperature, the fans will slowly decrease in speed until the fans stop. You may also hold the up and down button simultaneously to turn off this trigger, in which the digits under settings will show OFF for off. Note that this trigger can activate to run as long as you are in AUTO Mode, even if you are in setting up the other AUTO Mode triggers.



AUTO MODE: HIGH HUMID

In this mode, press the up or down button to set a high humidity trigger. The fans will activate if the probe's measured humidity exceeds the humidity you have set in this mode. The activated fans will slowly increase in speed until it reaches the speed set in ON Mode. Whenever the measured humidity falls below your set humidity, the fans will slowly decrease in speed until the fans stop. You may also hold the up and down button simultaneously to turn off this trigger, in which the digits under settings will show OFF for off. Note that this trigger can activate to run as long as you are in AUTO Mode, even if you are in setting up the other AUTO Mode triggers.



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ALARM SETTING: HIGH TEMP

In this settings mode, press the up and down button to set a high temperature alarm. The alarm will activate if the probe's measured temperature exceeds the temperature you have set in this mode. When the alarm triggers, the fan will start spinning gradually to max speed regardless of your other settings. You may also hold the up and down button simultaneously to turn off this alarm, in which the digits under settings will show OFF. You will need to be in AUTO, ON, or TIMER mode for this alarm to be able to activate.



ALARM SETTING: LOW TEMP

In this settings mode, press the up and down button to set a low temperature alarm. The alarm will activate if the probe's measured temperature falls below the temperature you have set in this mode. When the alarm triggers, the fan will start spinning gradually to max speed regardless of your other settings. You may also hold the up and down button simultaneously to turn off this alarm, in which the digits under settings will show OFF. You will need to be in AUTO, ON, or TIMER mode for this alarm to be able to activate.



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ALARM SETTING: LOW HUMID

In this settings mode, press the up and down button to set a low humidity alarm. The alarm will activate if the probe's measured temperature falls below the temperature you have set in this mode. When the alarm triggers, the fan will start spinning gradually to max speed regardless of your other settings. You may also hold the up and down button simultaneously to turn off this alarm, in which the digits under settings will show OFF. You will need to be in AUTO, ON, or TIMER mode for this alarm to be able to activate.

FAHRENHEIT OR CELSIUS

To change to displayed units between Fahrenheit and Celsius, please set the controller to OFF Mode, then hold the up button for Fahrenheit (°F) or hold the down button for Celsius (°C).

DISPLAY BRIGHTNESS

To adjust the brightness of the display, please set the controller to OFF Mode, then press the up or down button to increase or decrease the brightness level. Four brightness settings are available.

TEMPERATURE CALIBRATION

To adjust the temperature that the probe sensor is measuring, please press the MODE and UP button simultaneously. This can be done while the controller is any mode or setting. The calibration cycle ranges from 8°F to 8°F (-4°C to 4°C) and will be applied to the probe sensor's measurements.

HUMIDITY CALIBRATION

To adjust the humidity that the probe sensor is measuring, please press the MODE and DOWN button simultaneously. This can be done while the controller is any mode or setting. The calibration cycle ranges from 8% to 8% and will be applied to the probe sensor's measurements.

CONTROLLER LOCK

To lock the controller to prevent settings to be changed accidentally, hold the LEAF button for two or more seconds. While the display is locked, you will not be able to switch modes or changes any settings. You will only be able to put the controller in ECO display by pressing the LEAF button. Holding the LEAF button for two or more seconds will unlock the controller.

ECO-MODE

The controller can be put into ECO display in which the screen will be turned off but all programs, settings, and alarms will be running in the background. This can be done by pressing the LEAF button. You may also do this while the controller is locked. To exit ECO display, simply press any buttons.

ALERT ICONS

On the top left of the display is the alert icon section. Icons may flash when the controller wishes to alert you that a particular function or alarm is being triggered.



DISPLAY LOCK ALERT

This icon is visible when the controller has been locked. The icon will flash to alert you that the controller is locked if you try to change the mode or settings.

HUMIDITY ALARM ALERT

This icon will flash when the high or low humidity alarm that you have set has been triggered.

TEMPERATURE ALARM ALERT

This icon will flash when the high or low temperature alarm that you have set has been triggered.

CHECK FAN ALERT

This icon will flash when the fan's sensor detects interference to its operation. Please check the fan for possible issues. If the fan is rotating, it may just be static pressure resistance and operating as intended. If the fan is not rotating, please see the warranty page for replacement information. (This feature is only available on certain model.)