Controller 10/20/30 Operation Manual
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Caution & Safety

This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.

Children shall not play with the appliance.

Cleaning and user maintenance shall not be made by children without supervision.

READ THE ENTIRE MANUAL BEFORE OPERATING THE FAN. Ensure that all safety practices and instructions are followed during the installation, operation, and servicing of the fan. Failure to apply these safety practices could result in death or serious injury. If you do not understand the instructions please call our Technical Department for guidance [Technical Support contact information can be found on page 27].

All fan controls and incoming power should only be installed by qualified technicians familiar with the requirements of the NEC and local codes. Refer to appropriate portions of this manual for other important requirements. Failure to follow these guidelines will void the manufacturer’s warranty.

Installation is to be in accordance with the national electrical code, ANSI/NFPA 70-1999 and local codes.

This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

Children should be supervised to ensure that they do not play with the appliance.

HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH.

Read and understand this manual before installing or operating a fan unit. Installation, adjustment, repair, or maintenance must be performed by qualified personnel.

The user is responsible for compliance with all international and national electrical code requirements with respect to grounding of all equipment.

Many of the parts of this unit operate at line voltage. DO NOT TOUCH.

Install all covers before applying power or starting and stopping the unit.

DO NOT TERMINATE THE BROWN/WHITE WIRE IN AVD NETWORKS. Running the brown/white wire throughout a network can cause communication issues and may void the warranty of the fans.
Caution & Safety

DAMAGED EQUIPMENT

Do not operate or install any fans or fan accessories that appear to be damaged.

Failure to follow this instruction can result in death, serious injury, or equipment damage.

MAINTENANCE AND SERVICE:

If the fan does not operate properly using the procedures in this manual, **BE CERTAIN TO REMOVE ALL POWER TO THE UNIT** and contact our technical department for further assistance.

Keep all body parts clear of moving part at all times.

All electrical troubleshooting and repair must be done by a qualified technician and meet all applicable codes.

**WARNING:** If unusual oscillating movement is observed, immediately stop using the ceiling fan and contact the manufacturer, its service agent or suitably qualified persons.

REFER TO FAN INSTALLATION MANUAL(S) FOR FURTHER MAINTENANCE INFORMATION.
Fan Network Ordering

Types of controller:

- **Controller 10** can network up to 10 fans
- **Controller 20** can network up to 20 fans
- **Controller 30** can network up to 30 fans

MacroAir customizes fans to operate in a network by:

- Addressing the fans
- Providing bean crimps for T-splices (AVD 370)
- Supplying an additional 15ft [4.57m] piece of CAT5e (AVD 370)
- Modifying the panel enclosure (Legacy)
- Modifying the wiring on the VFD (Legacy)

*If you did not order your fans for a network, please contact Technical Support for assistance with networking your fans.*
Controller Dimensions

- Width: 11.8"
- Height: 9.9"
- Depth: 3.3"
- Diameter: 0.2"
**Controller Components**

**Components**

- Touch Screen
- Enclosure
- 24VDC
- Fire Alarm
- CAT5e to fans
- CAT5e to Local Network

**Note:** The glands for the fire alarm and CAT5e to local network are plugged from the factory in order to maintain the screen’s IP 66 rating when not used. If you are utilizing the fire alarm option and/or remote operation, remove the plugs from any gland you will be using.
**Network Wiring Requirements**

**Network Wiring Requirements:**

- Use twister pair, stranded CAT5e or higher shielded cable
- Minimum 24AWH [0.5mm] cross section
- Ground the shielding and drain wire at only one point of the cable run
- **DO NOT TERMINATE THE BROWN/WHITE WIRE IN AVD NETWORKS.** Running the brown/white wire throughout a network can cause communication issues and may void the warranty of the fans.
- Route wires as far away as possible from high voltage AC cables, fluorescent lights, arc welders, and other equipment that transmits EMI (electromagnetic interference)
- Do not run CAT5e in conduit with high voltage AC cables
- Do not exceed 4000ft [1219m] of CAT5e between the screen and the last fan in the network
- A repeater is required for every five (5) AVD fans.
- Repeaters need to be evenly placed throughout the network, which will not necessarily at every 5th fan. Refer to the below wiring diagrams for further information.

**Daisy Chain**

Network MacroAir fans must be connected in one single line, referred to in this document as a “daisy chain”. The characteristics of a proper daisy chain are: one beginning (Controller 10/20/30) and one end (last fan or control panel).

If the fans are not connected in one line/chain there will be a degradation of the communication signal and the network may not function as intended (fans in the network may not operate).

Each fan has a unique address, which is noted on a sticker on the fan itself (AVD) or control panel (Legacy). It is important to mount the fans in the correct order.

![Daisy Chain Diagram](image)
Network Wiring Configurations

Improper Wiring Configuration

End of Line x3

Proper Wiring Configuration

ONE End of Line
With noise being emitted throughout a typical industrial/commercial environment, **extra cable should not be coiled up** as the coil itself will create noise/interference in the communication signal. There should be no more than 2ft [0.6m] of excess cable at each connection point.

If more than 2ft [0.6m] of cable is needed for future relocation of the fan, run the cable up toward the ceiling and back down in a horseshoe shape.

**ALWAYS AVOID SHARP BENDS OF THE CABLE.**
WARNING: Prior to following the steps below, ensure all power to the touchscreen is off.

1. Run the included power supply cable through the gland on the bottom of the network controller and plug the terminal block in per the below diagram.

2. Run one end of CAT5e through the gland on the bottom of the network controller and wire the blue and blue/white wires to the touchscreen per the diagram below. Do not remove any factory wiring.

3. If a fire alarm is being used, a normally closed relay can be tied into the orange and orange/white wire coming from the fans. If a fire alarm is not being used, the orange pair needs to be twisted together.

4. If you are utilizing the optional remote operation feature (pg 33), run a separate CAT5e from your router to the LAN A port on the back of the screen. The CAT5e will need an RJ45 male end terminated per the pinout below.
Controller Wiring Instructions

For AVD3-430 and AVD 550/780 fans with terminal blocks refer to page (pg 12)

For AVD 370 fans with RJ45 ports refer to page (pg 15)

For Legacy fans refer to page (pg 20)

For mixed networks, such as adding an AVD 550 fan with a terminal block to a network of 370s with RJ45 ports, refer to page (pg 21)
AVD Terminal Block Wiring

AVD fans are wired in a daisy chain with one CAT5e going into the terminal block from the screen/previous fan, and one CAT5e going out of the terminal block to the next fan.

A properly wired daisy chain network will have the CAT5e network ran per the below illustration.

IMPORTANT: For model 430 and 550 fans, the bias dip switches next to the terminal block MUST be set to the OFF/ON/ON position on the first fan in the network! Refer to the picture on the right.
AVD Terminal Block Wiring

A repeater is required for every 5 fans, which will be spliced evenly in the CAT5e network between fans. Repeaters are not required on networks with 4 fans or less.

Evenly place Repeater/Isolator to improve signal

Repeater Wiring Diagram
AVD Terminal Block Wiring

Run the provided CAT5e from the touchscreen/previous fan to the next fan in line. You will need to terminate the CAT5e from the screen/previous fan and the CAT5e going to the next fan in the same terminal block per the below diagram:

Ensure that all wires are secure in the terminals and that **no copper is touching** between different colored wires. Please note that **touching copper can cause a short** and potentially interfere with performance. Proper installation is shown in the picture below. Please note that the brown/white wires should not be terminated unless powering a repeater.
AVD fans with RJ45 ports on the board are wired in T-splices. Each T-splice will consist of 3 CAT5e cables. A properly wired T-splice network is shown below:

Typical T-Splice of CAT5e Network Cable

- **Bare Wire**
- **Green**
- **Green/White**
- **Orange**
- **Orange/White**
- **Blue**
- **Blue/White**
- **Brown**
- **Brown/White**

**From Network / Controller**

**To Network / Next Fan**

- **Shield/ GRD**
- **Extra**
- **Fire Alarm +**
- **Fire Alarm -**
- **Data +**
- **Data -**
- **Common**
- **+ 24 Volt D.C.**

Repeater/Isolator

Brown/White is not used unless a repeater needs to be powered.
AVD RJ45 Wiring Instructions

A repeater is required for every 5 fans, which will be spliced evenly in the CAT5e network between fans. Repeaters are not required on networks with 4 fans or less.

Evenly place Repeater/Isolator to improve signal

Repeater Wiring Diagram

To Network / Next Fan

From Network / Controller

- Shield / GRD
- Extra
- Extra
- Fire Alarm +
- Fire Alarm -
- Data +
- Data -
- Common

From Fan

- Bare Wire
- Green
- Green/White
- Orange
- Orange/White
- Blue
- Blue/White
- Brown
Connection Method

1. Take the incoming CAT5e from the network, the 15ft [4.57m] CAT5e whip from the fan, and the CAT5e going to the rest of the network. Give some slack (no more than 2ft / 0.6m) on each CAT5e to strip the wires and splice them together. Run the slack up towards the ceiling and back down in a horseshoe shape. **DO NOT roll the excess slack into a circle or coil because this creates a place for the network to pickup noise on the lines.**

2. Strip jacketing off the three CAT5e cables and separate each color wire leaving approximately 2in [5cm] of each wire exposed including the drain/shield wire.

3. Strip approximately 1/2in [1.3 cm] off each color wire leaving the bare copper exposed.
Connection Method

4. Twist the 3 wires of same color from each CAT5e together.

5. Place a gel filled bean crimp onto the end of the 3 wires and use a small crimper or pliers to crimp the bean tight on the wires.

6. Double check that the 3 drain wire/bare wires are also crimped together as this is what continues the shielding throughout the network. The shielding and drain wire MUST be connected to Earth Ground at only one point of the cable run.
Connection Method

7. Repeat steps 3-5 for all the wires EXCEPT the Brown/White wire. The Brown/White wire is only needed for wiring in a repeater. Please refer to the repeater wiring diagram (pg 16) and instructions.

8. Once all the wires are crimped, carefully twist the wires up. Then fold them back and tape them up with electrical tape to clean up your wiring.
Legacy Wiring Instructions

Legacy fans are wired in a daisy chain with one CAT5e from the touchscreen/previous fan into an RJ45 port on the control panel, and one CAT5e going to the next fan from the second RJ45 port on the panel. The internal panel wiring does not need to be modified for communications.

A properly wired daisy chain network will have the CAT5e network ran per the below illustration.
Mixed Network Wiring

Networks utilizing different types of connections, such as 550s with RJ45 ports, 550s with terminal blocks and Legacy fans will wire each fan according to the preceding wiring instructions in the manual. Below is an example of wiring for a mixed network:

When networking AVD fans, you will need a repeater for every 5 fans. For example, if you have twelve fans, but 7 are Legacy fans and 5 are AVD fans, you will only need one repeater.
AirEffect Sensor Installation

**Note:** This section of the manual is applicable only if you ordered optional AirEffect feature.

**WARNING:**
Do not mount the temperature probe on metal as it will then be reading the temperature of the metal rather than the air temperature.

**PINOUT:**
- Black (From Power Supply) - Common
- Black/White (From Power Supply) - 24VDC+
- Blue (From Cat5E) - Net+
- Blue/White (From Cat5E) - Net-

**Mounting**

1. Mount the ceiling temperature sensor at least 1ft [0.3 m] below the ceiling in the same room where the fan/fans are placed. Use caution when placing the sensor making sure not to place it where there is any contact with direct sunlight. Each sensor has a small mounting holes for attachment with screws.

2. Once the module has been placed it can be wired into the network. Use the provided 110/120V power supply to power the temperature sensor and the blue, blue/white, and brown wires from the CAT5e cable for communication. If there is enough slack in the cable you can run the wiring directly in and out at the same point on the sensor module.

3. Please refer to the wiring diagram.
4. Mount the floor temperature sensor in the room where the fan/fans are placed within 6ft [1.8m] of the ground. Use caution when placing the sensor making sure not to place it where there is any contact with direct sunlight. Each sensor has a small mounting hole for attachment with a screw.

5. Repeat steps 2-3 and refer to the wiring diagram.

6. If there is not enough wire to pull in and out of the sensor, splice a length of cable keeping length to a minimum. Use the bean crimps supplied by Macro Air to wire the lead into the network. Please refer to network wiring diagram. **Note: The Brown/White wire is only used to power a repeater. Do not terminate the Brown/White wire on the drive or t-splice unless it is used to power one of these devices.**

Proper sensor placement is shown below:
Controller Setup

The touchscreen will require additional setup before operating the fans. Please refer to the steps below to properly configure your controller.

1. Power on the screen. The program will load automatically and take you directly to the Home Screen (pg 25).

2. All fans connected to the network will be displayed on the screen. If no fans are detected, or if any fans are missing, check the CAT5e splices and ensure that the fans are powered on, then rescan the network using the tool on the Settings Screen (pg 28). Occasionally a fault code will be present on one or more fans; this is normal. Faults can be reset from the Fan Control Screen (pg 26). If a fault does not reset, refer to the fan manual for fault code descriptions and contact technical support if you require further assistance.

3. Use the Fan Configure Screen (pg 27) to input all available data for the fan. Blade sizes must be set manually on all AVD 450, 550, 780, and Legacy fans.

4. Grouping allows you to create a button for multiple fans to run after being given one direction and speed command, rather than turning them all on individually. To create a group, refer to the Groups Screen (pg 30).

5. Scheduling allows you to set up time periods for the fans to turn on and off automatically, requiring no manual input. You can set up schedules for individual fans, all fans, or groups of fans. To create a schedule, refer to the Schedules Screen (pg 31).

6. AirEffect is an optional control system that senses and automatically maintains a desired room temperature range by calculating the fans’ ideal operating speeds and direction and automatically runs the fans accordingly. AirEffect can be enabled to be always on, or turned on and off via scheduling. To set up AirEffect, refer to the AirEffect instructions (pg 34).
Controller Home Screen

The home screen will display all the available fans that are on the network, as well as any groups you have created.

1 - Gear - Takes you to the settings screen

2 - Fan Status Box - Displays the status of the fan. Pressing this button takes you to that fan’s control screen

3 - Fan Select - Allows you to select any fan, even ones not currently displayed on the page

4 - Up/Down Arrow - Takes you to the next set of fans

If the installation has been verified, but no fans have been detected contact Technical Support (pg 38).
Fan Control Screen

Tapping on a fan status box on the home screen will take you to the fan control screen. This screen allows you to configure and control the fans individually, or issue a command to multiple fans if you clicked the “All Fans” button or a group button. Please ensure that the fans are configured correctly before attempting to run them (see Fan Configure, pg 27).

1 - **AirEffect On/Off** - Toggles AirEffect on or off for the selected fan or group, allowing manual control.

2 - **Fan/Group Name** - Displays the name of the fan or group.

3 - **Decrease/Increase Speed** - Increase or decrease the speed between 0-100% using “-” and “+” buttons.

4 - **Up Button** - Runs the fan clockwise to pull air up. This setting is useful to achieve destratification without creating a discernable breeze.

5 - **Down Button** - Runs the fan counter-clockwise to blow air down. This is the main setting used for cooling.

6 - **Power Button** - Stops the fan if it is running.

7 - **Right/left Arrows** - Takes you to the next fan/group.

8 - **Home** - Takes you to the home screen.

9 - **Configure** - Takes you to the fan’s configure screen.

10 - **Lock** - Locks and unlocks control of fan and functions (requires admin login, refer to Settings Screen, pg 28).
Tapping the Configure button on the fan control screen will bring you to the fan configure screen. This screen displays basic information on the fan. This screen also provides fields to input information that may prove useful for reference or troubleshooting.

1 - Fan Name - Changes the name that is displayed for the fan

2 - Fan Location - Allows you to input a location (ex. loading dock) which can help identify the fan

3 - Notes - Any additional notes on the fan you would like to include

4 - Type - Displays the fan model

5 - Node Address - Displays the network address of the fan

6 - Operating Hours/Voltage - Displays the operating hours for AVD fans/Displays incoming voltage rating of the VFD for AirVolution Legacy fans

7 - Size - Allows you to set the fan size. This is required for AVD3-450, AVD 550/780, and Legacy fans.

8 - Serial - Allows you to input the serial number of the fan for easy reference

9 - Panel - Allows you to specify the electrical panel the breaker is in for easy reference

10 - Breaker - Allows you to specify the breaker number the fan is on for easy reference
Settings Screen

Tapping the Settings button will bring you to the settings screen. This screen contains information on the touchscreen and configuration options for the network.

1 - Home – Goes back to the Home screen
2 - Software Version – Indicates the software version of the touch screen.
3 - Date – Displays the revision date of the screen software.
4 - Current Date – Displays current date. To setup AirEffect and fan scheduling you will need to set the date (pg 29)
5 - Mkey - Displays the code that can be given to MacroAir Tech Support to grant access to Comm settings
6 - Language – Allows selection of alternate languages (English, Spanish, French, Malay)
7 - Re-scan Network on Exit – When selected, rescans the network to detect any changes. Used after adding/removing fans or changing addresses
8 - AirEffect (Optional) – Provides access to AirEffect options. This will only be available if AirEffect was ordered with your network (pg 35)
9 - Groups – Provides access to the Groups page (pg 30)
10 - Schedule – Provides access to the Schedules page (pg 31)
11 - Advanced Settings – Displays the Advance Settings page (pg 29)
12 - Admin Login – Brings up the Admin Login page. You will need to be logged in under admin to access most of the other pages on the Settings screen. The default username AND password is “admin”
Advanced Settings Screen

Tapping on the "Advanced Settings" button will bring you to the Advanced Settings screen. This screen is very similar to the Settings screen, but contains 4 additional advanced options (Ethernet, Date/Time, Comm and Fine Tune).

1 - **Home** – Goes back to the Home screen

2 - **Software Version** – Indicates the software version of the touch screen.

3 - **Date** – Displays the revision date of the screen software.

4 - **Language** – Allows selection of alternate languages see above comment

5 - **Re-scan Network on Exit** – When selected, rescans the network to detect any changes. Used after adding/removing fans or changing addresses

6 - **Ethernet** – This page displays the Ethernet information for the screen. This information is used to remotely control the screen with a program such as VNC viewer. More information is available in the Remote Operation section of the manual (pg 33)

7 - **Date/Time** – This screen allows you to set the date/time. This is very important for scheduling, as the screen will run schedules according to the programmed date/time.

8 - **Comm** – This screen provides access to the Modbus communications page. This is a password-protected page and is only accessible with MacroAir technical support on the phone. If you need access to this page, please call us at (866) 668-3247.

9 - **Fine Tune** – This screen allows you to adjust the maximum speed of each fan. More information on the Fine Tune page (pg 32)
Groups Screen

Tapping on the "Groups" button will bring you to the Groups screen. This screen allows you to create groups and assign fans to them, easily allowing control of multiple fans at the same time.

1 - Back - Takes you back to the previous screen

2 - Fan Groups - Displays fan groups you have created. Click "Add New Group" to add a new group

3 - Edit Group - Allows you to change the group name or group members of the selected group. Having a group name is required to save changes.

4 - Delete group - Deletes the selected group

5 - Group Members - Displays all fans with checkboxes to indicate which fans are part of the group. Check boxes to add fans to the group, remove checks to remove fans from the group

Edit Group Name - Allows you to edit the group name. Press Accept to save changes, or Cancel to cancel any changes made. (Only visible when "Edit Group" is pressed.)
Schedules Screen

Tapping the Schedules button will bring you to the schedules screen. This screen allows you to set a schedule for fans or groups to run and stop automatically.

1 - Schedules - Allows you to select an existing schedule or create a new schedule via “Add New Task”

2 - Name - Names the schedule [required]

3 - Active/Inactive - Enables or disables the schedule

4 - Sun-Sat - Selects which days to run the schedule. Red X’s indicate days where the schedule is not in effect

5 - Start - Specifies when the fans come on

6 - End - Specifies when the fans stop

7 - AirEffect (Optional) - Runs fans according to AirEffect during the schedule

8 - Drop Menu - Allows you to select a fan or group. If AirEffect is selected, zones are displayed instead

9 - Speed - Specifies the speed the fans will run. If AirEffect is selected, this field is ignored

10 - Direction - Specifies the direction the fans will run. If AirEffect is selected, this field is ignored

11 - Accept - Save Changes

12 - Cancel - Cancel Changes

Edit Schedule - Allows you to edit a selected existing schedule [visible when a schedule is selected]

Delete Schedule - Allows you to delete a selected existing schedule [visible when a schedule is selected]
Fine Tune Screen

Tapping the Fine Tune button will bring you to the Fine Tune screen. This screen allows you to adjust the maximum speed for every fan, which is useful in applications where speed needs to be limited.

1 - Fan Names – Displays the names of all network fans

2 - Fine Tune Value – Displays the percentage of maximum speed by which a fan is limited (e.g. a value of 10 will limit the fan to 90% of maximum speed)

3 - Selected Fan Name – Displays the name of the selected fan

4 - Decrease/Increase Fine Tune Value – Use the "-" and "+" buttons to decrease or increase the fine tune value of the selected fan, respectively

5 - Set – Saves changes made to the fine tune value of the selected fan

6 - Set All Fans – Applies the fine tune value of the selected fan to all fans on the network
Remote Operation

MacroAir Controllers are capable of being controlled remotely, allowing access from any computer or smart device on the same local network. Please follow the steps below to properly set up remote operation:

1. Plug your controller into your internet network via the Ethernet port on the back of the screen.

2. In the settings screen of the controller click on "Ethernet" to check the IP address.

   ![IP Settings]

   You can let it obtain an IP address or specify one.

3. You will need a computer or device that is on the same network as the Controller with a VNC viewer installed ("VNC-Viewer" used below).

   ![VNC Viewer]

4. Open the VNC and input the IP address of the controller.

5. Select connect and the controller screen should show up.
AirEffect Setup

In order for AirEffect to operate properly, some setup is required. Please follow the below steps to ensure a smooth operation:

1. Ensure that the diameter is programmed on every fan’s Fan Configure Screen (pg 27).

2. Use the Zone Setup Screen to add or remove fans from the desired zone(s) (pg 37).

3. Once the zone is properly set up, input your minimum and maximum speeds for each fan. Note that while all fans may be shown, you only need to input values for fans that are in the zone.

4. Input the distance to the next fan or wall. If you have more than one distance, such as a fan between two other fans, use the smaller value or an average of the distance. Check boxes are available for you to specify whether the distance is to a fan or wall.

5. Input the roof height, fan height, and ground sensor height.

6. Under “Check Every”, specify the interval at which the system will rescan for changes to temperature and humidity and make the appropriate adjustments.

7. Under “Desired Cool”, input the temperature at which you desire the fans to begin cooling the space.

8. Under “Desired Heat”, input the temperature at which you desire the fans to begin warming the space.

9. Under “Max Humidity”, input the percentage at which you desire the fans to circulate more air, thereby lowering the humidity.

10. Once everything is set up, check the “Zone Enabled” box. This zone will now run according to the parameters you specified.
AirEffect Screen

If your network was ordered with the AirEffect option, the AirEffect control screen can be accessed by tapping the “AirEffect” button. AirEffect allows your fans to run automatically based on temperature, humidity, and user preferences, creating the most comfortable environment possible.

1 - Back - Takes you back to the previous screen

2 - Fan Name - Displays the name of the fan

3 - Minimum Speed (Default 0) - Sets the minimum speed the fan is allowed to operate at. Useful if the fan is mounted high in the ceiling and effects cannot be felt below a certain speed

4 - Maximum Speed (Default 100) - Sets the maximum speed the fan is allowed to operate at. Useful if running at high speeds causes undesired effects (ex. papers blowing or welding)

5 - Distance to Next Fan - Specifies the distance from this fan to the next fan or a wall

6 - Zone Setup - Takes you to the zone setup screen

7 - Zone Settings - Allows you to select a zone to view/input data

8 - Zone Enabled - Checking this box enables AirEffect for the zone, unchecking this box disables AirEffect for the zone and places the fans in manual mode

9 - Roof Height - Allows you to specify the distance between the floor and the roof of the zone

10 - Fan Height - Allows you to specify the height of the blades above the floor

11 - Sensor Height - Allows you to specify the height of the ground sensor (default 3ft [0.9m] above floor)
### AirEffect Screen (Cont.)

<table>
<thead>
<tr>
<th>Setting</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>12 - <strong>Check Every</strong></td>
<td>Allows you to specify how often AirEffect will check for changes in the environment and adjust accordingly</td>
</tr>
<tr>
<td>13 - <strong>Max Humidity</strong></td>
<td>Allows you to set a desired maximum humidity as a condition for the fans to run</td>
</tr>
<tr>
<td>14 - <strong>Roof Temp</strong></td>
<td>Displays the temperature measured by the roof sensor</td>
</tr>
<tr>
<td>15 - <strong>Ground Temp</strong></td>
<td>Displays the temperature measured by the ground sensor</td>
</tr>
<tr>
<td>16 - <strong>Ground Humid</strong></td>
<td>Displays the humidity measured by the ground sensor</td>
</tr>
<tr>
<td>17 - <strong>Desired Cool</strong></td>
<td>Allows you to set a temperature threshold that will cause AirEffect to cool the environment</td>
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<tr>
<td>18 - <strong>Desired Heat</strong></td>
<td>Allows you to set a temperature threshold that will cause AirEffect to warm the environment</td>
</tr>
<tr>
<td>19 - <strong>Units are in ft and F</strong></td>
<td>Displays the units currently being used on the screen. Press the button to toggle between feet and Fahrenheit, or meters and Celsius</td>
</tr>
</tbody>
</table>
Zone Setup Screen

Pressing the “Zone Setup” button on the AirEffect screen will bring you to the zone setup page. This page allows you to add or remove fans from zones. Multiple zones are useful if you have fans in multiple rooms/environments that need to be run differently. Please note that two sensors are required per zone.

1 - Back - Takes you back to the AirEffect screen

2 - Zone Groups - Displays the zone groups

3 - Zone Members - Displays the fans when a zone group is selected. Check boxes to add fans to the zone, uncheck boxes to remove them

4 - Accept - Saves any changes you made

5 - Cancel - Cancels any changes you made
Technical Support

For installation assistance, application questions, technical support & any other inquiries, please contact our Technical Support team at (866) 668-3247.