DZK

DAIKIN ZONING KIT

Main & Wireless Thermostat

User's Manual

SUMMARY

1. WARNINGS AND ENVIRONMENTAL POLICY

1.1 SAFETY CONSIDERATIONS

For personal safety and protection of the equipment, use the following safety precautions:
- Do not handle the system with wet or damp hands.
- Disconnect the power supply before making any connections.
- Disconnect the power supply from the air conditioning and heating system before connecting or disconnecting equipment.
- Take care not to cause a short circuit in any of the system's connections.

1.2 ENVIRONMENTAL POLICY

Do not dispose of this equipment with household waste. Electrical and electronic equipment contain substances that may damage the environment if not handled appropriately. The symbol of a crossed-out waste bin indicates electrical equipment that must be disposed separately from other urban waste. For correct environmental management, it must be taken to the collection centers provided for this purpose when it is no longer usable.

Equipment components may be recycled. Act in accordance with current regulations on environmental protection.
If you replace it with other equipment, you must return it to the distributor or take it to a specialized collection center.

Those breaking the law or by-laws will be subjected to environmental protection fines.

1.3   FCC REGULATORY NOTICES

Modification statement

Corporación Empresarial Altra S.L. has not approved any changes or modifications to this device by the user. Any changes or modifications could void the user's authority to operate the equipment.

Interference statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Radiation Exposure Statement

This device complies with FCC radiation exposure limits set forth for an uncontrolled environment and meets the FCC radio frequency (RF) Exposure Guidelines in Supplement C to OET65 This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

FCC Class B digital device notice

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

1.4   INTERTEK / UL REGULATORY NOTICES

- The units shall be tested by a Nationally Recognized Testing Laboratory (NRTL) in accordance with ANSI/UL Standard UL 1995/CAN/CSA-C22.2 No. 236-11 – 4th Edition (R2011) – Heating and Cooling Equipment, and will bear the Listed Mark.
- All wiring shall be in accordance with the National Electric Code (NEC)/Canadian Electrical Code (CEC).

2. GETTING STARTED

Main Thermostat

Key features of the Main Thermostat

- *Color display.*
- *Precision +/- 1ºF (0.5ºC) temperature control.*
- *Dual set.*
- *Auto changeover mode.*
- *Remote zone control.*
- *Vacation programming.*
- *Seven day programming.*
- *Automatic adjustment for Daylight Savings Time (DST).*

Wireless Thermostat

***Key features of the Wireless Thermostat***

- *Backlit LCD display.*
- *Precision +/- 1ºF (0.5ºC) temperature control.*
- *Dual set point - Remote zone control.*

3. MAIN THERMOSTAT

The Main Thermostat has a user-friendly color screen that displays all the information you need to set and manage your DZK Zoning unit.

3.1 Home Screen Display

The Main Screen options for the Main Thermostat are:
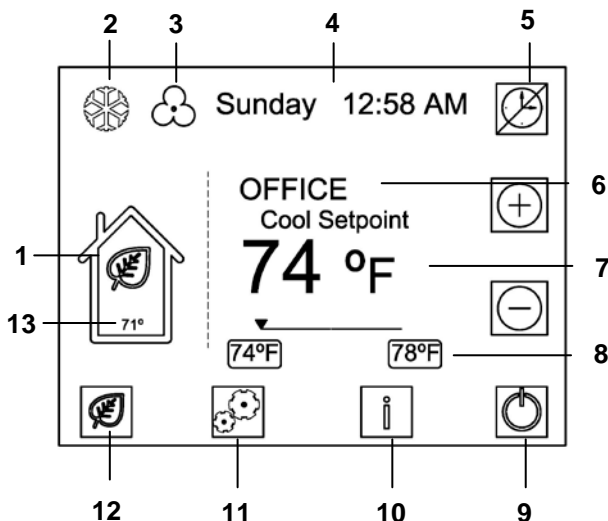
Home Screen

To access Eco-Adapt menu

- Press ⌂ to access.

1. Eco-Adapt & Efficiency Indicator
The energy efficiency level is indicated by color and is a function of temperature and the Eco-Adapt system.
- Green: High Energy Efficiency
- Yellow: Medium-High Energy Efficiency
- Orange: Medium-Low Energy Efficiency
- Red: Low Energy Efficiency

See Eco-Adapt mode on page 15.

To access Operation Mode

- Press Operation mode icon to access.

2. Operation Mode
The current mode of temperature control: Stop, Heat, Cool, Dry, Emergency Heat, or Automatic. See Operation Mode on page 10.

To change Local Ventilation Value

- Press 🍀 to change.

3. Local ventilation
This option allows activation (White icon) or deactivation (Grey icon) of the ventilation in the selected zone during system inactivity periods.
See Local Ventilation on page 18.

4. Current day and time
Displays the current day and time for your time zone.

5. Time schedule programming
This option allows activating ⊕ or deactivating ⊘ the Time schedule programming on the Main Thermostat.
See Time schedule programming on page 12.

6. Current Zone
Displays the current zone and allows access to remote zone control.
See Remote Zone Control on page 14.

7. Current Set point
The programmed temperature for a zone to maintain during a particular timeframe.

Press ⊞ (Up) or ⊟ (Down) to manually adjust by increments of 1ºF (0.5ºC).
If the system is set to Auto, press the set point temperature to switch between heating and cooling set points.
See Adjust the Temperature on page 10.

8. Sleep Mode Activated
Display if the Sleep timer is activated.
See Sleep mode on page 17.

9. On/Off Icon
On is indicated by ⏻ (Blue) and Off is indicated by ⏻ (Red) in the room where the Main Thermostat is installed.

10. Info
Displays screen help information and alerts about your system.
See Info on page 11 and 18.

11. Configuration Menu
Use to set the Operation mode, Remote zones, Time schedule programming, Eco-Adapt, and System setup.
See the Configuration Menu on page 16

12. Eco-Adapt Menu
The energy efficiency level for the system is set through the Eco-Adapt Menu. See Eco-Adapt on page 15.

13. Current Room Temperature
The current (actual) temperature in the room where the Main Thermostat is installed.

3.2 Using your Main Thermostat

The color touch-screen on your Main thermostat makes it simple to review and adjust the settings at any time.

3.2.1 Adjusting the temperature

The set point displayed on the screen is the current default temperature.

You can easily adjust the temperature on your Main Thermostat.

- Press ⏻ to activate or deactivate the zone's air conditioning.
- Press ⊕ to increase the temperature set point by 1ºF (0.5ºC).
- Press ⊖ to decrease the temperature set point by 1ºF (0.5ºC).
- Press **74ºF** (Current set point) to switch between heating and cooling set points.

The permitted temperature range is:
- Heating mode: 59º F – 84º F.
- Cooling mode: 64º F – 86º F.

If you are using Auto mode, note that there is a minimum difference allowed between heating and cooling set point temperatures. The system will prevent you from setting the temperatures to within those limits

3.2.2 Operation Mode

This menu sets your system to use heat, cool or auto mode.

- **STOP** 🛑
  The air-conditioning system will remain switched off regardless of the demand status of any zone, and all the motorized dampers will stay open.

- **COOL** ❄
  In this mode the air-conditioning unit will start a Cooling cycle any time that any zone is in cool demand ($T_{\text{Set-Point}} < T_{\text{room}}$).

- **HEAT** ☀
  Enables the heating cycle whenever a zone is in heat demand. ($T_{\text{Set-Point}} > T_{\text{room}}$).

To change Operation Mode

From the Home Screen:

- Press 🛑 *(icon mode).*
- Select your Operation Mode:
- *Stop*
- *Cool*
- *Heat*
- *Autochange*
- *Dry*
- *Emergency Heat**

*This option is only visible when it is configured.

- **AUTOCHANGE A**
  The AUTO mode allows automatic switching between Cool ❄ and Heat ☀, depending on the global demand.

- **EMERGENCY HEAT** ☀
This mode activates the **Auxiliary Heat** to provide heated air in case of a mechanical failure in the system.
  *Note: This mode is only visible when the installation includes an auxiliary heating device.

- **DRY**
  In this mode the air-conditioning unit will start a Dry Cooling cycle any time that any zone is under demand ($T_{Set-Point} < T_{room}$).

Dry
Dry mode decreases humidity in the room by entering the dry cycle.

3.2.3 Cleaning the Main Thermostat

You can clean the Main Thermostat screen by spraying water or any mild, non-abrasive household cleaner onto a clean cloth. Wipe the surface of the screen with the dampened cloth.

> **Note: Do not spray any liquids directly onto your Main Thermostat.*

To clean the screen From the Home Screen

 *- Press ⏻ to **turn off.***
- Press 🖌 to access to clean mode.
*- Press **Clean** to Start.*

Screen blocked during 30 sec.

3.3.1 Thermostat Help Screens

The help icon ⓘ is displayed on every screen on the Main thermostat. When touched, it displays informative help text. The help screens can be viewed at any time with easy access to return to a prior screen.

Help Navigation buttons

- Press ▷ to go on.
- Press ◁ to go back or exit.
- Press ✕ to return to Home Screen.

3.3   Time Schedule Programming

Your heating and cooling needs, change depending on the time of day and the day of the week. For example, if no one is in the house during the workday, you can reduce energy by letting the temperature go up in the summer and down in the winter.

By default, the Main Thermostat includes six configurable periods:

- **WAKE:** The start time of this period typically represents when you get up in the morning. It is an occupied program.

- **DAY:** This represents when you leave to go to work. It is a setback program.

- **EVENING:** This represents when you get home from work in the evening. It is an occupied program.

- **SLEEP:** This represents when you go to bed at night. It is an occupied program.

- **OCCUPIED:** This represents when you are at work. It is an occupied program.

- **UNOCCUPIED:** This represents when you are not at work. It is a setback program.

For protection, the default programs cannot be deleted, but they can be edited, enabled, or disabled.

You can create 18 different additional programs.

The Main thermostat allows three types of Time schedule programming:
- **AC MODE:** Sets an operation mode for the defined period.
- **OCCUPIED:** Sets a comfortable temperature for the defined period.
- **SETBACK:** Defines a period when the room is unused so the Zoning system can establish a setback temperature for the zone.

3.3.1 Time schedule programming activation
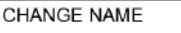
This menu can enable the option of time programs.
- ⊕ Time schedule programming activated.
- ⊘ Time schedule programming deactivated.

Remember to set the time-scheduled programs before Time Schedule Programming is activated.

3.3.2 Create a new time scheduled program

- Press 🖉 CREATE PROG.
- Select type of program:
  - AC MODE
  - OCCUPIED
  - SETBACK
- Customize the name: Press CHANGE NAME and use the arrows pad ⬦:
  - Up-Down: Changes the character.
  - Left-right: Selects the next character position.
  - Delete 🗑: Deletes the selected character.
- Select:
  - *Operation mode* for OPERATION MODE programs.
  - *Cool & Heating set point* for Occupied/Setback programs.
- Select days desired for the program:
  - Full week
  - Week days
  - Weekend
  - Personalized
- Select the start and end time.

If you wish to define a time to end the schedule, touch the box to enable the end of schedule parameter.

- Check the time program summary.

Once a program is completed, it will be displayed in the active time schedule programming list available in the memory.

3.3.3 Using the Time Schedule Programming editor

The Time Schedule Programming editor lets you set specific times, temperatures, and Operation modes for each day of the week.
If your system is enabled for auto-changeover mode, the heating and cooling set temperatures will automatically be adjusted to ensure a minimum difference.
The available options are:

- **COPY:** Allows the user to copy the selected program to any other zone in the system.
- **EDIT:** Allows editing of the values defined in the selected time program.
- **DISABLE/ENABLE:** Disable or Enable the selected time schedule programming.
- **DELETE:** Delete the selected time program from memory. This option is only available and visible for customer- created programs.

*When **disabled**, a grey button is displayed.*

Keep in mind

- Press ▷ *to confirm the value.*

- Press ◁ *to return to the previous menu.*

- Press ✖ *to return to Home Screen.*

3.4   Remote zone control

3.4.1 Remote control

Selecting the Remote Zone menu, lists all zones in the system and by selecting the zone, the user can access any thermostat in the system from the Main Thermostat.

- Press the zone label ZONE 02 to access a remote zone to modify.

- Press Z to access the global zone to modify all zones at the same time.
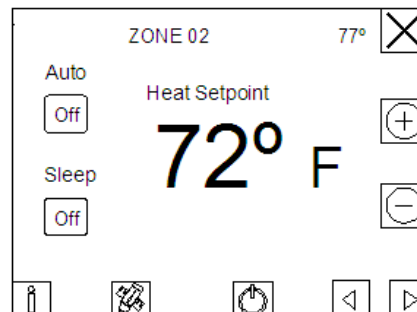
- **Room Name & Temperature.**
- **Set point Mode.**
  - o Press ⏻ to activate or deactivate the zone's air conditioning.
  - o Press ⊕ to increase the temperature set point by 1⁰F (0.5⁰C).
  - o Press ⊖ to decrease the temperature set point by 1⁰F (0.5⁰C).
  - o Press **72⁰F** (Current set point) to switch between heating and cooling set points.
- **Auto:** Time schedule programming activation.
  - o Press value to change.
- **Sleep:** Timer information on page 17.
  - o Press on value to change.
- **Time schedule programming** 📊**:** Access time schedule programming in selected zone.

3.4.2 Edit Name Zone

You can customize the name of your zone in the Main Thermostat from remote zone menu. The process is as follows:

- Press CHANGE NAME .
- Press the zone that you want to rename, i.e., ZONE 2 .

- To change the name, use the arrows pad ✥ .
  - o **Up-Down:** changes the character.
  - o **Left-Right:** selects the next character position.
  - o **Delete** 🗑**:** deletes the selected character.

3.5 Eco-Adapt

3.5.1 Description

Eco-Adapt allow the user to enhance the energy efficiency by setting a temperature limit for all zones. Setting temperatures allows the user to set different energy-efficient levels, choosing from Light, Medium, or Strong.

This function ensures a more efficient use of the DZK system installation.

3.5.2 Eco-Adapt menu

- **Off:** All temperature ranges are available and the system will work in *Comfort Mode*.
- **On:** Temperature ranges are limited and the system will work in *Efficiency Mode*.

The saving-modes available are:

- **Manual mode:** Temperature limit is defined manually by the temperature selected by the user on the Main thermostat.

Manual Mode	Lim. Min.	Lim. Max.
❄	*64 F*	*86 F*
☀	*59 F*	*86 F*

- **Efficiency Level:** Temperature limits are limited as follows:

Efficiency level	Light	Medium	Strong
❄	*≥75 F*	*≥78 F*	*≥79 F*
☀	*≤72 F*	*≤70 F*	*≤68 F*

To change Eco-Adapt

From the Home Screen:
- Press 🍃 *.*
- Select **ON** *or* **OFF***.*

If you are selected **ON***:*

Press **Manual Mode** *or select the* **Efficiency level***:*
- *Light*
- *Medium*
- *Strong*

Note: It is important to know that if a temperature time schedule programming is running, the set point temperatures will be limited to those selected on the Eco-Adapt.

3.6   Configuring your Main Thermostat

In the configuration menu the following options are available.

- **Settings:**
  - o **Interface**
  - o **User settings**
  - o **Configuration** *(Only for contractors)*

To Configuration menu
From the Home Screen:

- Press .

3.6.1 Interface

Brightness

- Select the screen brightness for both active modes.
- Select the standby mode (**Off** or **Bright**).

To Interface settings
From the setting menu screen:
*- Press **Interface.***

Date & Time

Select Date:
- Select current day, month and year.

Select Time:
- Select current time.
- Select a 12-hour (AM/PM) or 24-hour time format.
- Enable or disable daylight savings.

Keep in mind
- Press the parameter to change or be edited.

- Use to select the value.

- Press to confirm.

- Press to go back or exit to previus menu.

- Press to return to main menu or Home Screen.

Language

Select among 3 languages:
- **Español**
- **English** *(default)*
- **Français**

Beeping

Select the beeping sound mode:
- **Sound ON** *(default)*
- **Sound OFF**

3.6.2 User settings

Units

Select temperature to be displayed:

- **ºC** (Celsius)
- **ºF** (Fahrenheit)

Vacation

The Vacation mode feature helps you save energy while you are away for extended periods of time. Select type of Vacation mode:

- **System:** Activate (**On**) or deactivate (**Off**) vacation mode to all zone's system.
- **Zone:** Activate (**On**) or deactivate (**Off**) vacation mode to the current zone. Display the set temperatures:
  - **Heat:** Select 52-54-56ºF.
  - **Cool:** Select 89-91-93ºF.

Vacation
Press on the value to change.

Sleep

Sleep mode is a zone timer that shifts the set point temperature to a more energy efficient value. Select the value.

- **OFF:** Eco-Timer is not activated.
- **30:** Thirty minutes after its activation, the zone will vary its set point temperature by 2ºF (1ºC).
- **60:** Thirty minutes after its activation, the zone will vary its set point temperature by 2ºF (1ºC) and sixty minutes after its activation, the zone will vary another 2ºF (1ºC).
- **90:** Thirty minutes after its activation, the zone's set point temperature will vary by 2ºF (1ºC), another 2ºF (1ºC) after sixty minutes, and will again vary 2ºF (1ºC) following ninety minutes after its activation.

After the selected time, the set point temperature will remain at the lowest value. When Sleep mode is activated, a timeline is displayed on the Home Screen that informs of its evolution.

Global Ventilation

Global Ventilation allows activation of ventilation in all system zones during the system inactivity periods. Select Status.

- **NO.** Disable Global ventilation.
- **YES.** Enable Global ventilation.
  - **Every (mins).** Length of the interval between periods of ventilation (in minutes).
  - **Run for (mins).** Duration of ventilation (in minutes).

Global ventilation*
When global ventilation is activated, the icon modes are displayed on the Home Screen:

- *Stop*
- *Heat*
- *Cool*
- *Dry*

*This option will be deactivated when a zone is in demand.

Local ventilation

Not available for the 🛑 *Operation Mode and global ventilation enabled.*

Local Ventilation

Local ventilation allows activation of ventilation in the Main Thermostat zone during system inactivity periods.
Select Status:

- **On:** Enable Local ventilation
- **Off:** Disable Local ventilation

3.7   Understanding the Alerts

If a problem arises, the DZK Alerts system displays a warning message about the current zone shown on the Home Screen.

If a problem arises in the Daikin system, a help icon 🛈 remains on the screen until the problem is resolved.

3.7.1 DZK system Alerts

The Main Thermostat can generate the following alert messages. Depending on your configuration, some of these may not apply.

ECO: If you do not want to retain the temperature limit set by the Eco-Adapt function, disable Eco-Adapt or select a lower efficiency setting.

UNOCCUPIED: The Setback time schedule programming is activated. If you touch the Home Screen, the setback program deactivates and returns to occupancy set point during the override time.

OVERRIDE: The override time is activated. When the override time has finished, the zone returns to its previous status.

VACATION: The vacation mode is activated.

Error 1: Communication error between Main Thermostat and controller board. This error blocks the thermostat and you should notify your contractor.

Error 9: Air-conditioning communication error with the system.
The system will open every motorized outlet, enabling the air-conditioning controller. Contact your contractor.

4. WIRELESS THERMOSTAT

The Wireless Thermostat has a backlit LCD touch screen that displays all the information you need to set and manage your zone.

4.1 Home Screen Display

The Home Screen options for the Wireless Thermostat are:

Home Screen

To deactivate Time Schedule Programming
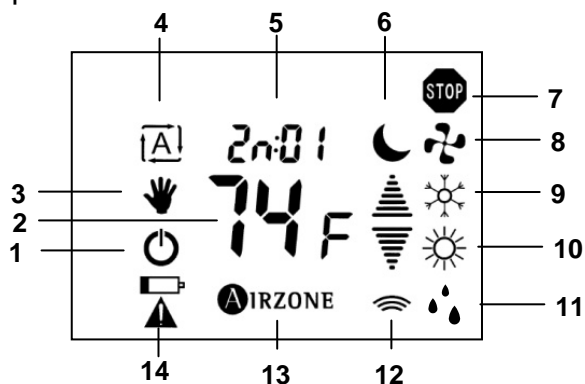
- Press ⒶInner *on Home Screen.*

To deactivate the Sleep mode

- Press ☾ *on the Home Screen.*

1. On/Off icon
Enables turning the air conditioning On or Off in the zone where the Wireless Thermostat is installed.

2. Current Set point
The zone temperature programmed to be maintained during a designated timeframe.

Press ≜ (Up) or ▼ (Down) to adjust manually by increments of 1ºF (0.5ºC). If the system is set to Auto, press the set point value to switch between heating and cooling set points.
See Adjusting the Temperature on page 22.

3. Hand Icon
Indicates zone air conditioning is activated.

4. Time Schedule Programming activated
Displays that Time schedule programming is activated.
See Time schedule programming information on page 23.

5. Current Zone
Displays the current zone allowing remote zone control.
See Remote Zone Control on page 23.

6. Sleep Mode Activated
Displays sleep mode is activated in this zone.
See Sleep Mode on page 24.

7. Stop Operation mode
The current operation mode is Stop.

8. Local Ventilation activated
Indicates local ventilation is activated in this zone.
See Local Ventilation described on page 23.

9. Cool Set point & Operation mode
Display Cool Set point or Current operation mode.

10. Heat Set point & Operation mode
Display Heat Set point or Current operation mode.

11. Dry Operation mode
The current operation mode is Dry.

12. Communication Icon
Displays the communications between the Wireless Thermostat and the zoning box control board. To save battery life, the thermostat updates its screen every 5 minutes, and the current status may not be shown in the screen.
To manually update the screen just touch it and the current status will be shown.

13. Airzone Icon
Used to enter another menu or confirm a value.

14. Low Battery
Displayed when batteries have run low. It has 2 weeks of life left*.
See how to change the batteries on page 22.

*Note: The indicated battery life is based on the original batteries shipped from Manufacturing.

4.2   Idle Screen Display

When you are not actively using your Wireless thermostat, the screen will dim to indicate an Idle Screen.

To activate the Home Screen
- Press the Idle Screen.
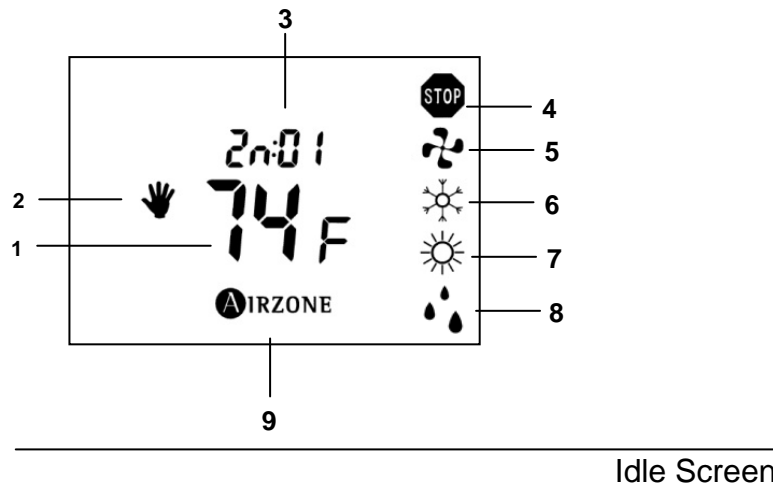
Idle Screen

1. Current Room Temperature
The current (actual) temperature in the room where the Wireless Thermostat is installed.

Room temperature
The range of measured room temperatures goes from 50ºF to 95ºF, if the room temperature is out of that range, the thermostat will display the last value allowed. (50ºF or 95ºF)

2. Hand Icon
Indicates active temperature control.

3. Current Zone
Displays the current zone.

4. Stop Mode
Zone is actively in Stop Operation Mode.

5. Local Ventilation activated
Local ventilation is activated in this zone.
See Local Ventilation on page 23.

6. Cool Mode
Zone calling demand is currently in Cool Operation Mode.

7. Heat Mode
Zone calling demand is currently in Heat Operation Mode.

8. Dry Mode
Zone calling demand is currently in Dry Operation Mode.

9. Airzone icon

4.3   Using you Wireless Thermostat

The backlit LCD touch screen on your Wireless Thermostat allows easy access to adjust the settings.

4.3.1 Adjusting the temperature

By default, the set point displayed on the screen is the current Operation Mode.
You can easily adjust the temperature on your Main Thermostat.

- Press ⏻ to activate or deactivate the zone's air conditioning.
- Press ≜ to increase the temperature set point by 1ºF (0.5ºC).
- Press ▼ to decrease the temperature set point by 1ºF (0.5ºC).
- Press 74F (current set point) to switch between heating and cooling set points.

The permitted range is as follows:

- Heating mode: 59ºF – 84ºF.
- Cooling mode: 64ºF – 86ºF.

When the zone is activated, a hand icon is displayed. ✋
If using Auto mode, note that there is a minimum difference allowed between heating and cooling set temperatures. The system prevents you from setting the temperatures outside these limits. See the DZK Zoning Box Installation manual for information about configuring the minimum temperature-difference settings.

4.3.2 Low batteries

When 🔋 is displayed on Wireless Thermostat, batteries have 2 weeks of life left. It is time to change the batteries for new ones.
To replace the batteries, insert a coin in the slot placed at the bottom of the frame and turn the coin until the thermostat opens. Once the touch screen is separated from the support, replace the batteries according to the indicated polarity near the battery contacts (2 AAA 1.5V batteries). Reassemble both parts to their original positions.
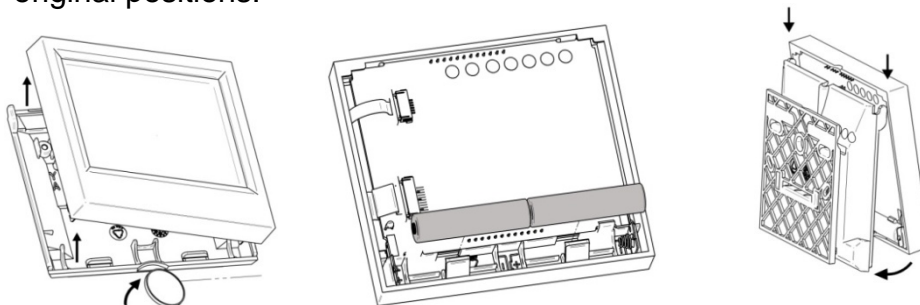
4.3.3 Cleaning the Wireless Thermostat

You can clean the Wireless Thermostat screen by spraying water or any mild, non-abrasive household cleaner onto a clean cloth. Wipe the surface of the screen with the dampened cloth.

Note: Do not spray any liquids directly onto your Wireless Thermostat.

4.4   Advanced functions in your Wireless Thermostat

From this menu, you can execute actions such as Time schedule programming, Local Ventilation and Sleep Mode.

4.4.1 Time Schedule Programming [A]

The DZK Zoning system allows activation or deactivation of the Time schedule programming set on the Wireless Thermostat.

Activation

Press on [A] to activate time schedule programming in the current zone. The thermostat then returns to Home Screen.

The icon [A] is displayed on the Home Screen, indicating that this function is activated.

Deactivation

If the time schedule programming is activated, you can deactivate it from the Home Screen.

Press on [A] to deactivate time schedule programmming. The icon will no longer be displayed.

4.4.2 Local Ventilation

This function activates the zone ventilation while the AC unit is not running a heating or cooling cycle.

Activation

Press on to activate local ventilation in the current zone. The thermostat then returns to Home Screen.

The icon will be displayed on both the Home and Idle screens, indicating that this function is activated.

To access the Advance Functions screen
From Home Screen.
- Short press on
AIRZONE*.*

The arrows will disappear in Advance Screen.

The arrows are displayed on the Home Screen.

Local Ventilation
Not available when in Operation Mode and when global ventilation is enabled.

Deactivation

If local ventilation is activated, you can deactivate it from the Home Screen.

Press on 🌀 to deactivate the local ventilation. The icon will no longer be displayed.

4.4.3 Sleep Mode ☾

Sleep mode is a zone timer and operates as follows:

- **30:** Sleep Mode Timer is activated 30 minutes after its activation, the zone varies it set point temperature by 2ºF (1ºC).
- **60:** Sleep Mode Timer is activated 30 minutes after its activation, the zone varies its set point temperature by 2ºF (1ºC) and 60 minutes after its activation, varies by 2ºF (1ºC) more.
- **90:** Sleep Mode Timer is activated 30 minutes after its activation, the zone varies its set point temperature by 2ºF (1ºC), another 2ºF (1ºC) after 60 minutes and 2ºF (1ºC) more after 90 minutes of activation.

Activation

Press on ☾ icon, then select the value and confirm to activate sleep mode in the current zone. The thermostat will return to Home Screen.

The icon ☾ is displayed on the Home Screen, indicating that this function is activated.

Deactivation

If the sleep mode is activated, you can deactivate it from the Home Screen.

Press on ☾ to deactivate the sleep mode. The icon will no longer be displayed.

If you deactivate sleep mode before the selected time, the set point temperature remains as the last value set.

To set Sleep Mode

- Press ☾ to set the value.

- Press ▲ ▼ to select the value.

- Press ⓐIRZONE to confirm.

- Press ⏻ to exit.

4.5   Remote zone control

Select the Remote Zone menu to list all zones in the system, and by selecting a zone, the user can access any thermostat in the system from the Wireless Thermostat.

- Select the room's zone number (ie, # 1.)
- ALL provides global zone access to modify all zones simultaneously and control all every room's system.

In remote zone screen, display:

- Room Number.
- On/Off icon.
    - On: Display Set point and hand icon are displayed.
    - Off: Set point and hand icon no longer displays.
- Set point mode.
- Operation mode. You can select the Operation mode only for all zones if you lost the Main thermostat.

4.6   Wireless Thermostat Configuration

This section describes how to configure user settings.

Units Uⁿit

Select temperatures to be displayed.
- ℃ (Celsius)
- ℉ (Fahrenheit)

Vacation mode

The Vacation mode feature helps you save energy while you are away for extended periods of time. It also ensures your home is comfortable when you return. Select status:

- Enable (Default)
- Disable

Vacation set point temperatures

Select the set temperatures:

- **Heat:** Select 52-54-56º
- **Cool:** Select 89-91-93º

4.7 Understanding the Alerts

In case of system alerts regarding problems in the DZK Zoning system, a message is posted for the current zone displayed on the Home Screen.

4.7.1 List of DZK zoning system alerts

Your Wireless Thermostat can generate the following alert messages:

UnOC - **Unoccupied:** The Setback time schedule programming is activated. If you touch on the Home Screen, it will deactivate the setback program and return to occupancy set point during the override time.

ECO - **Eco limit:** The user has tried to exceed the Eco-Adapt temperature limit. If required, disable the Eco-Adapt to set the desired temperature. See on page 15

OUEr - **Override:** The override time is activated. When the override time has finished, the system returns to its previous status.

UACA - **Vacation:** The vacation mode is activated.

Err 1. - **Error 1:** Communication error between Wireless thermostat and the control board. This error blocks the thermostat so notify your contractor immediately.

Err9. - **Error 9:** Air-conditioning communication error with the system. The system will open every motorized outlet and the air-conditioning controller will be enabled. Notify your contractor.

5. NAVIGATION GUIDES

5.1   Main Thermostat navigation guide

Main Screen
Operation Mode
Temperature setting
Local ventilation
Date and Time
Help
Time schedule programming
Configuration Menu
Current temperature
Eco-Adapt
Current zone
On/Off icon
Current Set point
Cleaning*

Operation Mode
Stop
Cool
Heat
Autochange
Emergency heat**
Dry

Local ventilation
Activated
Deactivated

Date and Time
Set Date
Set Time

Time schedule programming
Activated
Deactivated

Configuration Menu
Mode
Programming
Remote zones
Eco-Adapt
Settings

Eco-Adapt
On
Off

Current zone
Remote zone control:
- System zone
- All zones
- Change name

Current Set point
Cool Set point
Heat Set point

Temperature setting
+ plus
- minus

Help

Room temperature

On/Off icon

Cleaning
* Only available by pressing OFF

Settings
Interface
User settings
Configuration

On
Manual
Light
Medium
Strong

Interface
Brightness
Date & Time
Language
Beeping

User settings
Units
Vacation
Sleep
Global Vent.
Local Vent.

**This option is visible only when it is configured

5.2   Wireless Thermostat navigation guide

Idle screen

Current Zone	Operation Mode*
Current temperature	Hand icon*
Airzone icon	Local ventilation*

* Those options are not always visible.

If you press anywhere on the screen:

Home screen

Current Zone	Hand icon**
Current Set point	Local ventilation**
Selection arrows	Communication icon**
On/Off icon	Time schedule programming**
Airzone icon	Sleep mode**
Operation Mode	

**Those options are visible only when they are activated.

Current Zone

Zone remote control:
-*System zone*
-*All zones*

Current Set point

Cool Set point
Heat Set point

Selection arrows

Up
Down

On/Off icon

On
Off

Operation Mode

Stop
Cooling
Heating
Dry

Hand icon

AC zone activated
AC zone deactivated

Communication icon

Sleep mode

Deactivated

Airzone icon

Local ventilation

Deactivated

Time schedule programming

Deactivated

Advanced functions

Local ventilation
Sleep mode
Time schedule programming activation

Short press on Airzone icon.

User settings

Un it - Units
UAcA - Vacation status
tUAc - Vacation Setpoint temperatures

Turn Off the room.

Short press on Airzone icon to advance screen.

Long press on Airzone icon till display *Un it*.

Local ventilation

Activated
Deactivated

Sleep mode

Activated
Deactivated

Time schedule programming activation

Activated
Deactivated

Un it5

°C
°F

UAcA

On
OFF

tUAc

Heat
Cool

6. TROUBLESHOOTING

Item	Symptom	Verification/Action
1	Main Thermostat does not light up	Verify if the wireless thermostats show $Err\ 1$ contact your service. Otherwise, proceed as indicated in pages 25 as a temporary solution until the Main thermostat is replaced
2	Wireless Thermostat does not work	If the screen is blank, replace the batteries. See on page 22.
		If the screen is blocked, disconnect the batteries and re-install them back. If the problem persists contact your service. See on page 22.
3	After a power failure, the Wireless Thermostat displays $Err\ 1$	The Wireless Thermostats can take up to 5 minutes to update the screen. Touch the screen to force an immediate update.
4	When accessing remote zones, one of them is not listed	Verify that the thermostat of the zone missing is working correctly. See on pages 10 and 22.
5	The Wireless Thermostat shows all zones, but not its own	When trying to remote access other zones, the wireless thermostat will not show its own zone.
6	On activating the zone, no air is supplied to its grille (s)	Verify that the unit is not in Stop mode in the Main thermostat. See on page 8.
		Verify if the zones is in demand, checking the ambient temperature (normally displayed in the thermostat and the set point (appears upon touching the thermostat screen) See on pages 8, 19 and 21.
		If this zone does not receive air, call your contractor.
7	One Wireless Thermostat displays "$5CAn$" permanently	Call your contractor for a replacement to verify the wireless communication.
8	Some time after changing the set point in the thermostat the set point varies 1 or 2 ⁰F	Verify if the sleep mode is activated. See on pages 17 and 24.
9	Some time after changing the set point in the thermostat it changes by itself to a different set point	Verify if the automatic mode is enabled. See on page 10.
10	What do I do if one (or several) zones do not control the temperature?	Verify that the Operation mode is not STOP. See on page 8.
		Verify room and set point temperatures in the non-working zone thermostat to see if it is creating demand. See on pages 10 and 22.

Item	Symptom	Verification/Action
11	How much time do I have left when the battery symbol is shown?	When the battery icon is shown in the screen there are about 15 days left to change the thermostat batteries.
12	When trying to lower or increase the set point ECO/ *ECO* appears on the screen	You have tried to exceed the Eco-Adapt temperature limit. If required, disable the Eco-Adapt to set the desired temperature. See on page 15.
13	The time schedule program don´t work.	Verify the time of the system in the Main thermostat. See on page 16.
		Verify that the time schedule program activation is enabled. See on page 12 and 23
14	When in Heat operation mode, when trying to change to Cool operation mode, the thermostat returns to Heat mode.	The operational mode in the installation is controlled by the Heat Pump Changeover Master. The operation mode can only be changed from the Master DZK Main thermostat.
15	The global ventilation does not work as expected. There is no ventilation after all zones are satisfied.	Verify if the installation is controlled by the Heat Pump Changeover Master. If that is the case, until all zones of all interconnected DZKs are satisfied, the global ventilation will not be activated.
16	The local ventilation does not work as expected. There is no ventilation after all zones are satisfied. .	Verify if the installation is controlled by the Heat Pump Changeover Master. If that is the case, until all zones of all interconnected DZKs are satisfied, the local ventilation will not be activated.
17	Error 1 in the Main Thermostat	This error indicates that the Main thermostat is inoperative. The associated damper will remain open, and the use will be able to change the operation mode from any wireless thermostat. See page 16.
18	*Err 1* in the Wireless Thermostat	This error indicates that the wireless thermostat is not communicating and the zone will not have temperature control. See on page 26.
19	Error 9 in the Main & Wireless Thermostat	This error indicates that the zoning system is not controlling the Daikin system. See on pages 18 and 26.

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