



Daikin *One+* smart thermostat Reference Guide for Unitary Equipment





WARNING

Only personnel that have been trained to install, adjust, service or repair (hereinafter, “service”) the equipment specified in this manual should service the equipment. The manufacturer will not be responsible for any injury or property damage arising from improper service or service procedures. If you service this unit, you assume responsibility for any injury or property damage which may result. In addition, in jurisdictions that require one or more licenses to service the equipment specified in this manual, only licensed personnel should service the equipment. Improper installation, adjustment, servicing or repair of the equipment specified in this manual, or attempting to install, adjust, service or repair the equipment specified in this manual without proper training may result in product damage, property damage, personal injury or death.

PROP 65 WARNING FOR CALIFORNIA CONSUMERS



WARNING

Cancer and Reproductive Harm -
www.P65Warnings.ca.gov

0140M00517-A

TABLE OF CONTENTS

INTRODUCTION

Features and Benefits	6
How to Use the Quick Reference Cards	8
Equipment Compatibility	9
Installing the Daikin <i>One+</i> smart thermostat.....	10
Wiring Thermostat to Communicating Systems.....	11
Wiring Diagrams	12
How to Wire a Humidifier to Daikin furnace	17
Wiring Troubleshooting	18

SYSTEM POWER-UP

System Power-up Sequence	29
Commissioning the Daikin <i>One+</i> smart thermostat.....	30
Begin Set-up	31
Step 1 – Communication	32
Step 2 – Personalization	33
Step 3 – Equipment Set-up	34
How to Configure Humidifier on Modulating and 2-stage Furnaces	35
How to Configure Heat Kit.....	35
How to Set-up Lockout Temperature for Heat Pump	37
Step 4 – System Optimization	38
How to Run System Test for Inverter Outdoor Units	39
How to Use Charge Mode	40
How to Calibrate Temperature.....	41
How to Check Error History	42
How to Check System Operational Information.....	43
Step 5 – Preferences	44
How to Create Reminder	45
Dealer Navigation (How to return to Dealer Edit Mode).....	46
How to Set-up Humidification and Dehumidification Set-points	48

REFERENCES

FAQs	52
Support and Resources	54
Menu Outline Table of Contents	55
Menu Outline Overview	56
Important Notes	85

Introduction

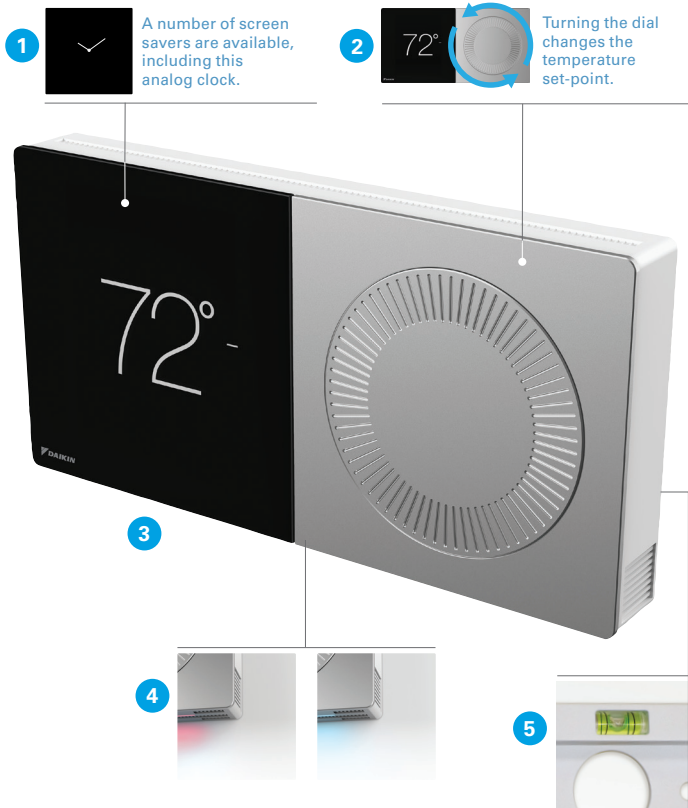


Features and Benefits

Designed with quality components

- 1 The high-resolution color touch screen display is protected by the same toughened glass used in smart phones.
- 2 The anodized aluminum bezel and dial are precision manufactured. The surfaces have a fine bead blast with a warm hued anodized finish. The dial rotation is extraordinarily smooth because it rests on a bearing assembly typically found in precision instruments. A switch behind the dial enables users to return to the home screen from any menu with a single tap.
- 3 An integrated Wi-Fi radio connects to the internet (via a home router) to the cloud and onto the homeowner mobile application. The Daikin cloud will also seamlessly integrate with open smart home architectures, including *Amazon Alexa* and *Google Assistant*, enabling consumers to effortlessly use features such as voice control.
- 4 A thin LED light bar sits flush within the bottom surface and runs from edge to edge, delicately illuminating the wall beneath. Emitting a soft emotive glow, the light bar indicates the current system mode: red for heating, blue for cooling.
- 5 Built-in bubble level aids professional installation

- See page 85 for important notice concerning FCC



How to Use the Quick Reference Cards

There are quick reference cards packaged with the Daikin *One+* to help answer questions during the installation and commissioning.

Dealers

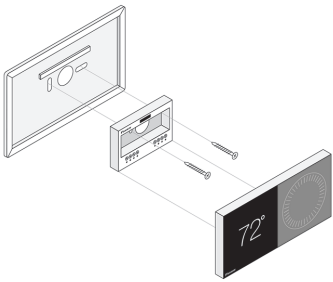

Install the thermostat

If you need to cover holes in the wall, place the trim plate against the wall first.

Then use the included screws to secure the terminal plate to the wall (sandwiching the trim plate if you're using it).

After connecting the wires, place the top of the thermostat against the terminal plate and press down until it snaps into place.


Get help at
www.daikinone.com/smart_thermostats/oneplus/Pros




Trim plate (optional) Terminal plate Screws Thermostat

Homeowners

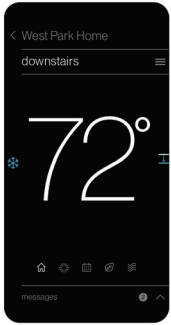
Install the app to control your smart thermostat from virtually anywhere.



Available on the App Store and Google Play.



www.daikinone.com/smart_thermostats/oneplus/app



Scanning the bar code on the **bottom left** corner will link you to a website related to the title of the card.

For further details on the Quick Reference Cards refer to page 86, or visit https://www.daikinone.com/smart_thermostats/oneplus

Equipment Compatibility

The Daikin *One+* offers two-way communication when combined with Daikin's smart inverter HVAC systems, serving as a cloud-connected hub and controller for communicating HVAC systems.

		Indoor Unit						
		Furnace		Coil	Air Handler/Blower			
		DM97MC DC97MC	DM96VC DC96VC DM96SC-U DM80VC DC80VC DM80SC-U	CAPE CHPE	DVFEC	DVPEC	DVPVC DVPTC MBVC	
Outdoor Unit	Air Conditioner	DX20VC	√	√	–	–	√	√
		DX17VSS	√	√	√	–	–	√
		DX18TC	√	√	–	–	–	√
		DX16TC	√	√	–	–	–	√
	Heat Pump	DZ20VC	√	√	–	–	√	√
		DZ18VC	–	–	–	–	√	–
		DZ18TC	√	√	–	–	–	√
		DZ17VSA	√	√	√	√	–	√(MBVC)
		DZ16TC	√	√	–	–	–	√
		24 VAC Condenser	√	√	–	–	–	–

24 VAC Condenser (Legacy 24V) is **compatible only** with communicating furnace

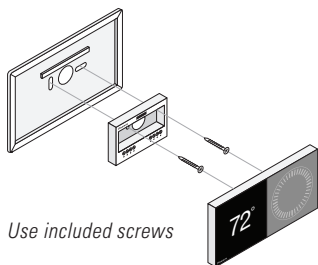
Installing the Daikin *One+* smart thermostat

- » Mounting the thermostat will be **leveled**:
 - Approximately **5' from the floor**.
 - On an **interior wall** using the included screws.
 - There are two options for mounting:

Standard Surface Mount



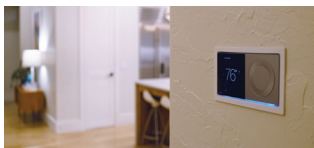
The Daikin *One+* smart thermostat comes with an attractive surface mount and trim bezel as standard.



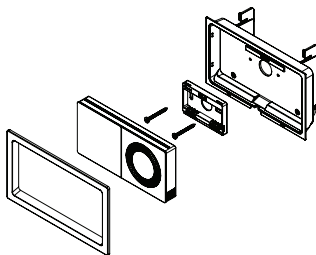
Use included screws

- » You do not need the trim plate to mount the thermostat.
- » Screws included are designed to mount in sheetrock or studs
- » Its recommended to use the screws provided with Daikin *One+* packaging for best results

Optional Flush Mount*



The Daikin *One+* smart thermostat also offers a flush mount* installation option to provide homeowners with a modern built-in style option.



- » A template for marking a drywall cutout is included.
- » Use a stud and wire finder to verify the thermostat can be placed in desired location on the wall.
- » Allow a minimum 1 inch clearance between the desired location and stud for tightening and leveling purposes.

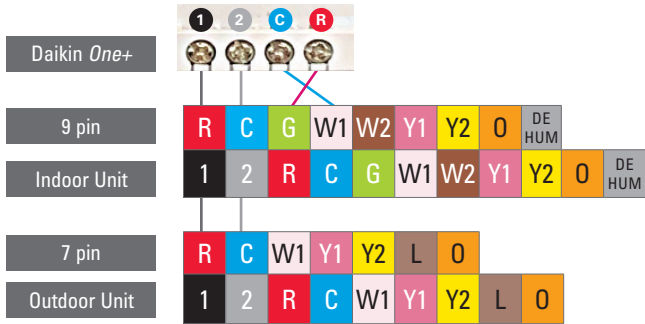
***NOTE: Available early 2021 - Requires Kit # DKIT-FLSH-ONE**

Wiring Thermostat to Communicating Systems



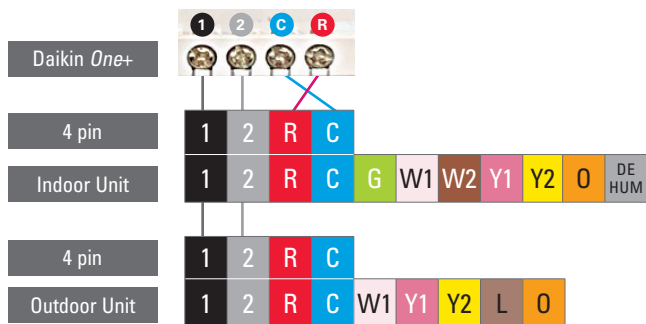
- » Maximum **wire** distance between the Daikin *One+* and the indoor unit **should not exceed 125 feet using 18-gauge solid core wire**.
- » For installing the Daikin *Fit* outdoor system, **it is strongly recommended (for best results) to use 18-gauge solid core wire**.
- » **Check for proper voltage before and after wiring is installed.**
 - 0.6 VDC between Data 1 and 2
 - 24 VAC between common and power
- » Wiring **communicating** indoor unit to **communicating** outdoor units.
 - Connect **1, 2, C** and **R** from the Daikin *One+*, to **1, 2, C** and **R** at the indoor unit.
 - Connect wires **1** and **2** from the indoor unit to **1** and **2** at the outdoor unit.
- » Wiring communicating indoor furnace unit to non-communicating outdoor units.
 - Connect **1, 2, C** and **R** from the Daikin *One+*, to **1, 2, C** and **R** at the indoor furnace unit.
 - Connect wire **Y1** from the indoor furnace unit to **Y1** at the outdoor unit
 - Under Equipment Setup add '**24 VAC Condenser**'.
 - Under '**24 VAC Condenser**' select the matching kBTU from '**cool CFM**' settings

Wiring Diagrams



- » Communicating indoor units supplied with a **9 pin** connector **only**, will move the connector to the far left to pair **R, C, G, W1** on the **9 pin** with **1, 2, R, C** on the indoor **PCB**.
- » Communicating outdoor units supplied with a **7 pin** connector **only**, will move the connector to the far **left** to pair **R, C** on the 7 pin with **1, 2** on the **outdoor PCB**.

Note: The Daikin One+ is labeled **1, 2, C, R**. **If wired incorrectly you will receive a communication error, or your equipment may not be recognized and displayed.**

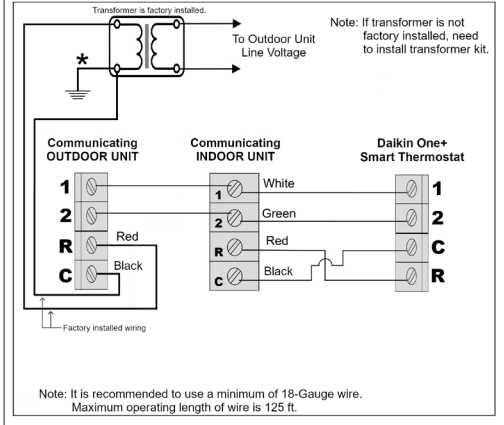


- » Communicating indoor units with a **4 pin** connector **supplied**, will match **1, 2, R, C** on the 4 pin with **1, 2, R, C** on the **indoor PCB**.
- » Communicating outdoor units with a **4 pin** connector **supplied**, will match **1, 2** on the 4 pin with **1, 2** on the **outdoor PCB**.

Note: The Daikin *One+* is labeled **1, 2, C, R**. **If wired incorrectly you will receive a communication error, or your equipment may not be recognized and displayed.**

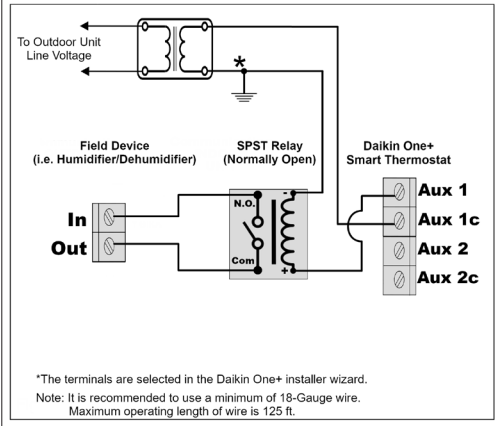
Wiring Diagrams

Communicating 2 Stage Heat Pump or A/C System

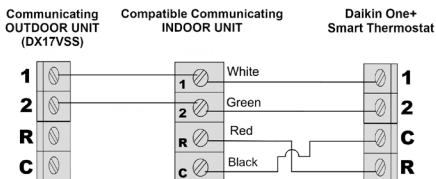


Accessory Hookup to Daikin One+ Smart Thermostat.

Two accessories can be connected to either pair (Aux 1/1c or Aux 2/2c) of terminals*.

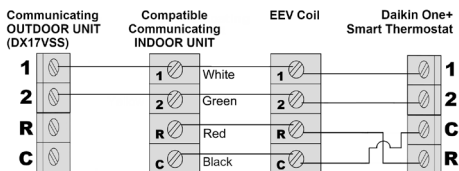


Communicating FIT System with AHU



Note: It is recommended to use a minimum of 18-Gauge wire.
Maximum operating length of wire is 125 ft.

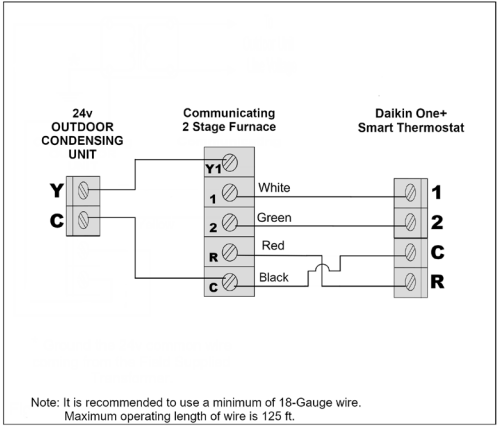
Communicating FIT System with Coil



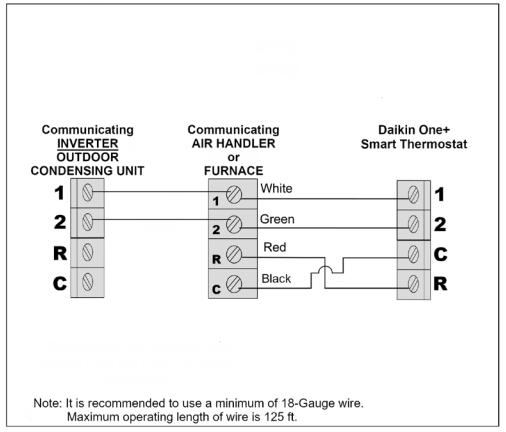
Notes: It is recommended to use a minimum of 18-Gauge wire.
Maximum operating length of wire is 125 ft.

Wiring Diagrams

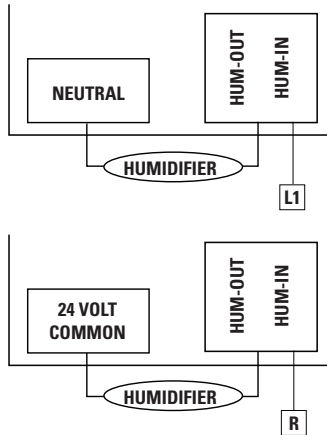
Communicating Furnace with 24v Legacy Air Conditioner



Communicating INVERTER Heat Pump or A/C System



How to Wire a Humidifier to Daikin Furnace



- » The indoor furnace control is equipped with a dedicated humidification relay which is available through ¼ inch terminals **HUM-IN** and **HUM-OUT**
- » **HUM-IN** must be powered with the desired voltage (24 VAC from the **R** terminal or 115 VAC from **L1** terminal)
- » Humidification relay turns ON when there is call for heat and a call for humidification
- » For 2-stage furnace only, humidifier relay supports below modes
 - **ON**: Humidifier is turned on with a heat demand and humidification demand
 - **OFF**: Humidifier remains off (relay never closes).

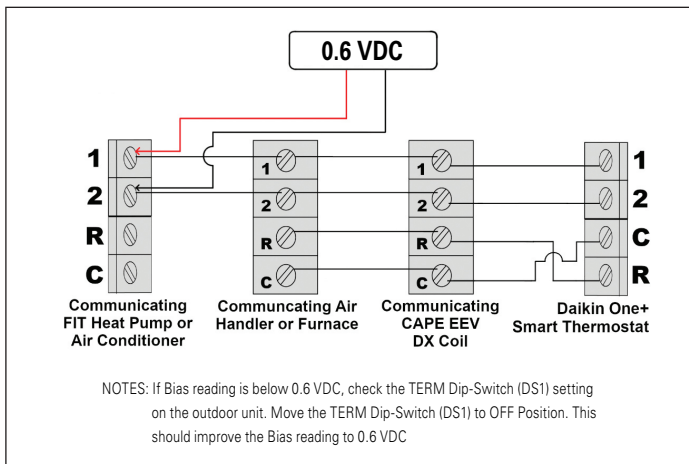
Wiring Troubleshooting

The following steps require no power to be applied.

- Check for any loose, disconnected, broken, or shorted wires between all connected components **BEFORE** applying power
- No short between Data 1 or Data 2 wires and R (24 VAC) or C (24 VAC common)
- Check for Data 1 and Data 2 wires reversed at the indoor unit, thermostat, or outdoor unit

After fixing all the wiring issues apply power

- Check for 24 VAC across R (24 VAC) and C (24 VAC common) terminals
- If there are still problems discovering the indoor or outdoor equipment then check for bias reading of 0.6 VDC. Bias reading of 0.6 VDC indicates a robust network that can handle high data volume without lock-up.



- **Follow the steps below to measure and achieve 0.6 VDC bias value.**
 - Turn OFF the thermostat and make sure the system is idle
 - Take Bias readings on the outdoor Heat Pump or Air Conditioner
 - Measure DC voltage between 24 VAC common to **Data 1 = D1 VDC**
 - Measure DC voltage between 24 VAC common and **Data 2 = D2 VDC**
 - Bias reading = $D1 \text{ VDC} - D2 \text{ VDC}$ (Subtract D2 from D1 to calculate bias voltage)
= 0.61 VDC
 - Measure DC voltage between Data 1 and Data 2. This value should equal the value calculated in the previous step.
 - Take Bias readings on indoor Air Handler or Furnace by repeating above steps on its terminal blocks.
 - Take Bias readings on CAPE EEV coil if connected by repeating above steps on its terminal blocks.
 - The Bias readings should match on all the equipment's terminal blocks.
 - If Bias reading is below 0.6 VDC, check the TERM Dip-Switch (DS1) setting on the outdoor unit. Move the TERM Dip-Switch (DS1) to OFF position. This should improve the Bias reading to 0.6 VDC.
 - After stabilizing the network, power down the entire HVAC system. Wait for a few minutes and power back up. It will take approximately 3-5 minutes for the HVAC system and thermostat to discover the indoor and outdoor equipment.

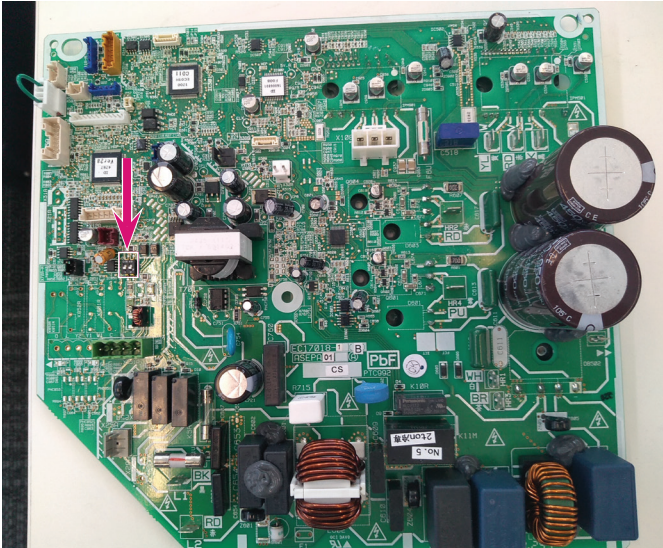
For a view of the DS1 switch on the outdoor unit PC boards, see pages 20-24.

1. 17 SEER Daikin *Fit*
2. 18 SEER (all tonnage)
3. 20 SEER (2 and 3 Ton)
4. 20 SEER (4 Ton)
5. 20 SEER (5 Ton)

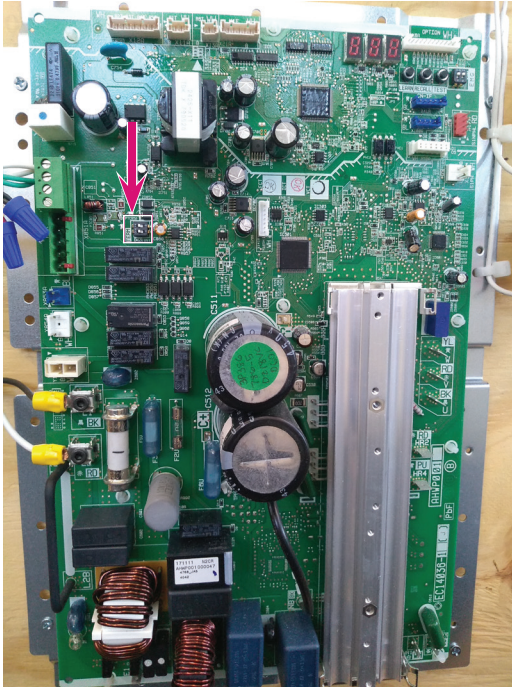
Wiring Troubleshooting

View of the DS1 Switch on the Outdoor Unit PC Boards

1. 17 SEER Daikin *Fit*

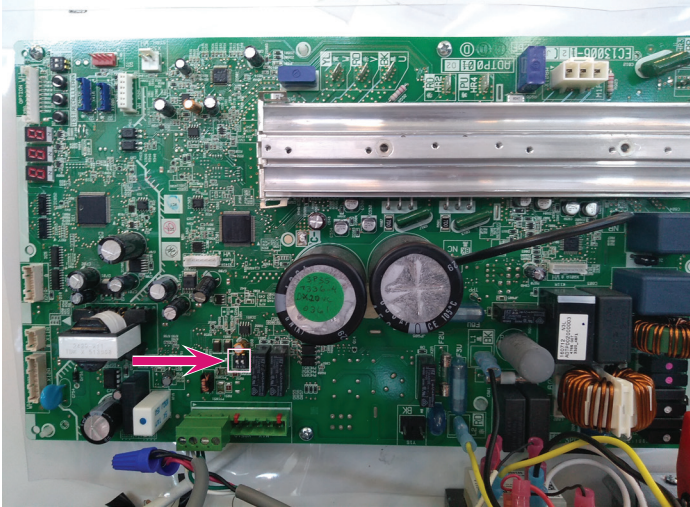


2. 18 SEER (all tonnage)

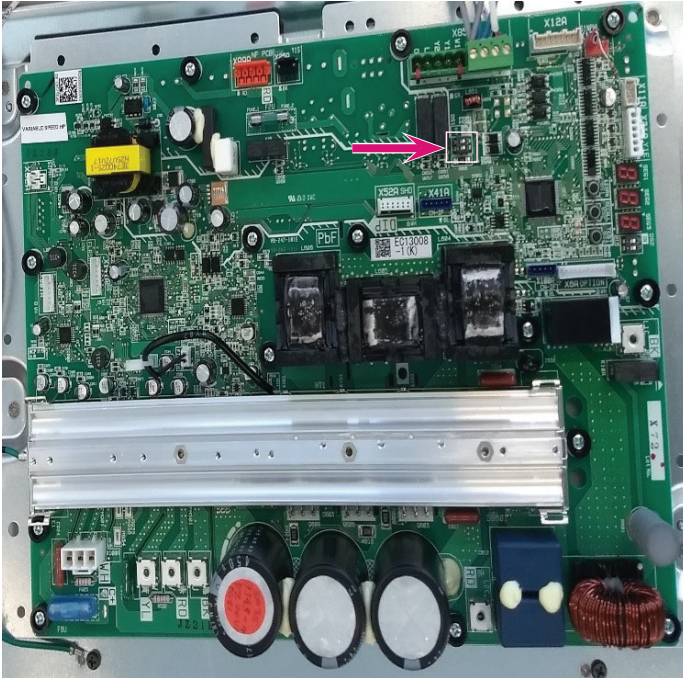


Wiring Troubleshooting

3. 20 SEER (2 and 3 Ton)

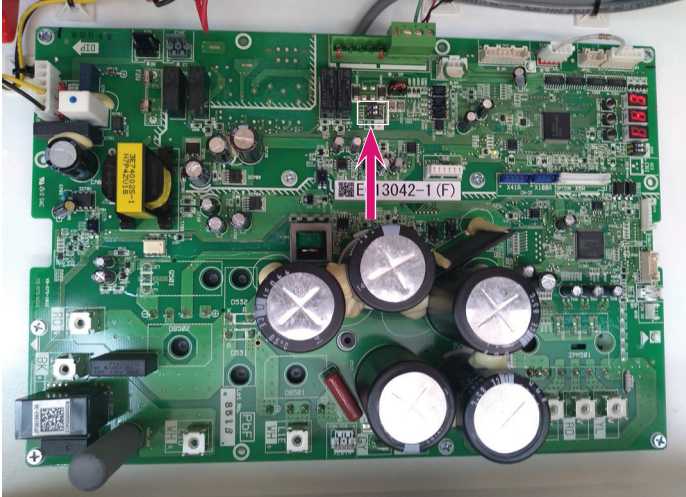


4. 20 SEER (4 Ton)



Wiring Troubleshooting

5. 20 SEER (5 Ton)



System Power-Up



< **DAIKIN**

setup

The Daikin smart thermostat saves each step as you proceed. You can always go back and change your settings.

begin setup



setup options



learn more



< **DAIKIN**

smart thermostat
setup

1 communication

2 personalization

3 equipment setup

4 system optimization

5 preferences

complete setup

System Power-up Sequence

Follow the instructions to wire the Daikin *One+* smart thermostat with the communicating indoor and outdoor systems.

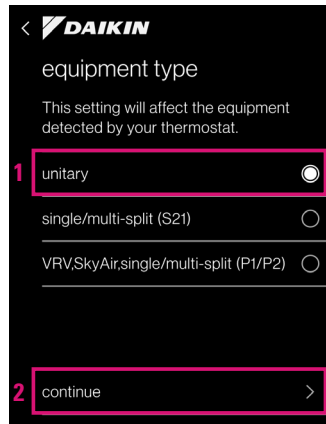
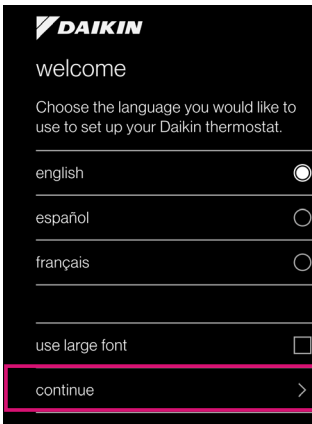
Mount the thermostat and power ON the indoor and outdoor units. The Daikin *One+* smart thermostat gets power from the indoor unit.

Follow the steps mentioned under Commissioning Daikin *One+* to configure the indoor unit and outdoor unit.

Commissioning the Daikin One+ smart thermostat

Begin set-up

- » The welcome screen displays basic instructions upon powering the thermostat. Select the right language and "use large font" if desired, then click continue.
- » Select the right equipment type. Unitary is the default, so just click continue if you have unitary equipment.
- » An explanation of two set-up options is displayed on the learn more screen.
- » Demo mode displays a quick video of the Begin set-up and a few homeowner navigation features.



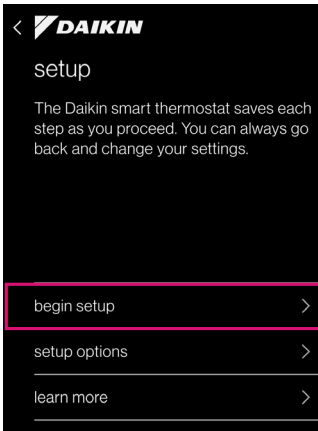
Begin set-up

» Tapping **Begin set-up** starts the 5 step set-up process:

1. Communication.
2. Personalization.
3. Equipment Set-up.
4. System Optimization.
5. Preferences.

» Begin set-up ensures the system is configured properly and ready for the homeowner to use.

Note: All of the **5 steps must be completed and reviewed** before you can **complete the set-up**.

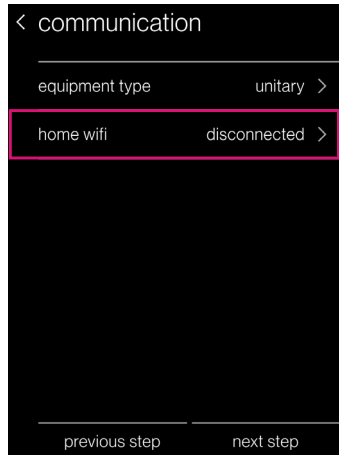
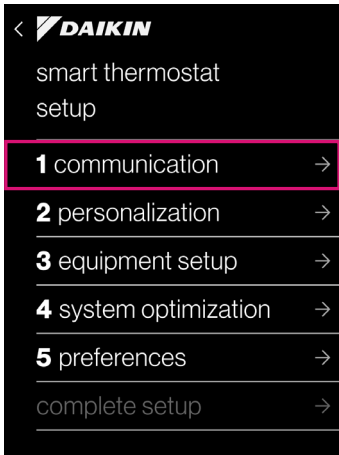


Commissioning the Daikin *One+* smart thermostat

Begin set-up

Step 1 – Communication

- » Configures **Communication Networks**.
- » Select home Wi-Fi to search for networks.
- » With **Wi-Fi configured**, the system can check the software version and update software to the **latest** version **automatically**.

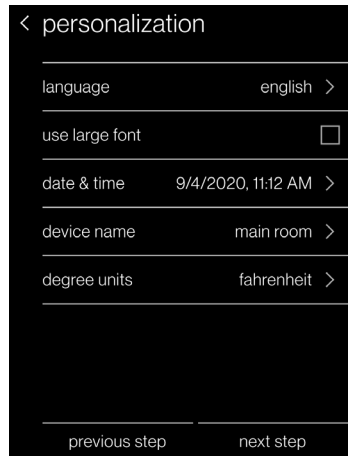
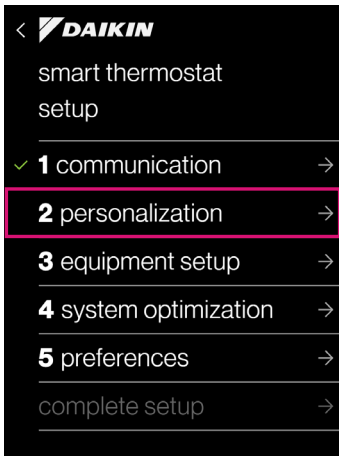


Begin set-up

Step 2 – Personalization

- » Tapping the **personalization tab** allows you to edit default information.
- » Personalization displays:
 - Language.
 - Use Large Font.
 - Date & Time.
 - If Wi-Fi is connected, date & time set automatically.
 - Thermostat Name.
 - Degree Units.

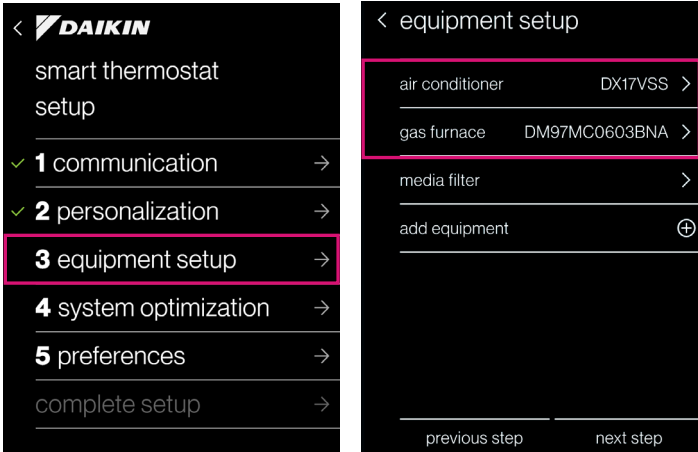
Note: Tapping Daikin logo returns to welcome screen



Commissioning the Daikin *One+* smart thermostat

Begin set-up

Step 3 – Equipment set-up



- » Displays equipment found by searching the communication network, or by adding/removing equipment and accessories from the preset list.
- » There are options to view and optimize settings that apply to the installed units.
 - View unit Specifications.
 - Configure
 - **Cool settings**
 - **Heat Settings**
 - **Heat Pump Settings**
 - **Humidifier Relay**
 - **Aux alarm**
 - **Heater Kit**

Reference to Menu Outline

- » For a detailed view of menu and sub-menu settings, refer to the Menu Outline Overview on pages 55-64 or visit https://daikinone.com/smart_thermostats/oneplus/pros/DaikinOnePlus-CommissioningMenuOutline.pdf
- » Menus and sub-menus will display or not depending on the type of indoor and outdoor units detected.

Begin set-up

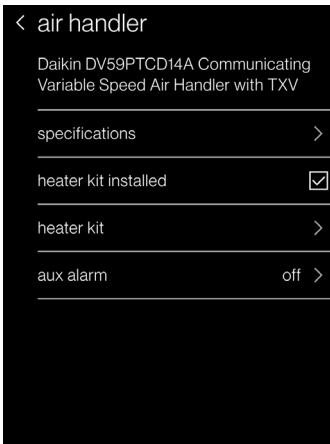
How to Configure Humidifier on Modulating and 2-stage Furnaces

- » Refer to the **Humidifier in the furnace** section under **Installing Daikin One+** section for details on wiring humidifier to the furnace board
- » For 2-Stage furnace, Daikin *One+* supports 'humidifier relay' settings. It has the following options:
 - ON: Humidifier is turned on with heat demand & humidification demand
 - OFF: Humidifier remains off (relay never closes).
- » For Modulating furnace, humidifier is turned ON with heat demand & humidification demand.

How to Configure Heat Kit

Heater kit configuration varies based on the type of the Indoor units.

DVPVC, DVPTC, MBVC

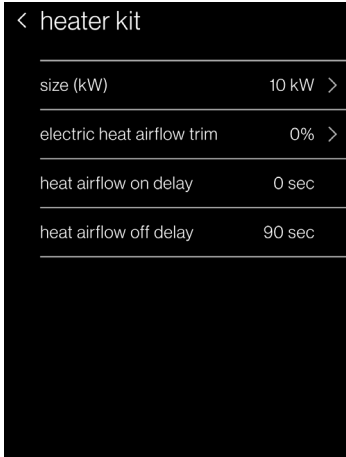


- » Use dip switches on the board to configure the heater kit size. Please refer to the installation manual of these boards to locate the dip switches.
- » Heater kit size configured with dip switches will appear under *Installer Wizard > equipment setup > air handler > heater kit > size (kW)*
- » Enable 'heater kit installed' checkbox. *Installer Wizard > equipment setup > air handler > heater kit installed*
- » 'heater kit' sub-menu appears on enabling 'heater kit installed' checkbox
- » Inside 'heater kit' sub-menu 'heat airflow trim' value can be adjusted

Commissioning the Daikin *One+* smart thermostat

Begin set-up

DVPEC/DVFEC



Some details have advanced settings.

- » Navigate to heater kit size sub-menu under the Air Handler
Installer Wizard > equipment setup > air handler > heater kit > size (kW) > Select the heater kit size by scrolling available 'size(kW)' options.
- » If required, adjust 'electric heat airflow trim'
Installer Wizard > equipment setup > air handler > heater kit > electric heat airflow trim

Begin set-up

How to Setup Lockout Temperature for Heat Pump

Heat pump settings allow for adjustment of compressor lockout temperature and auxiliary (secondary) lockout temperature

ELECTRIC BACKUP HEAT

» Auxiliary heat lockout temperature:

- Auxiliary electric strip heat won't run above this outdoor temperature.
- Must be at least 10°F greater than heat pump lockout temperature.

Installer Wizard > equipment setup > heat pump > heat pump settings > aux heat lockout temp

» Heat pump lockout temperature:

- The heat pump compressor won't run below this outdoor temperature.
- Must be at least 10°F less than aux heat lockout temperature.

Installer Wizard > equipment setup > heat pump > heat pump settings > heat pump lockout temp

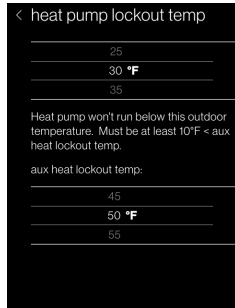
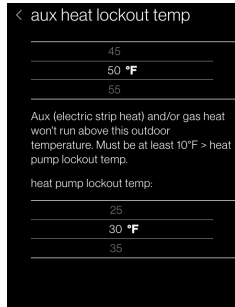
When the outdoor temp is between the heat pump lockout and aux lockout temperatures

- Backup heat is requested immediately if the difference between the heat set-point and indoor temperature is greater than 4°F
- Depending on load conditions and system performance, the thermostat will wait to request backup heat. Backup heat will only be requested when the temperature is not rising to meet the heat set-point in a reasonable amount of time.

DUAL-FUEL BALANCE POINT:

» Balance point lockout temperature:

- The heat pump will only turn on above this lockout temperature.
- A gas furnace will only turn on below this lockout temperature.
- **Heat pump lockout temperature is not required on a dual fuel system.**



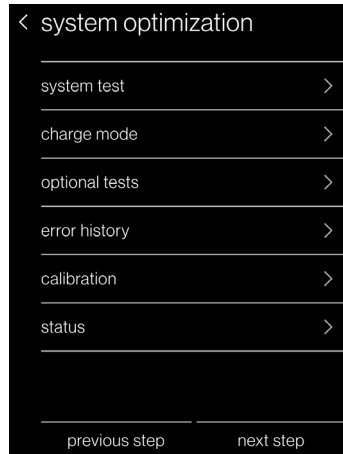
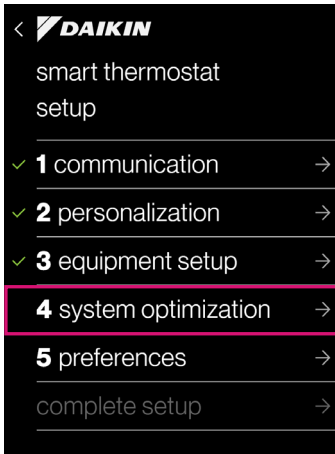
Commissioning the Daikin *One+* smart thermostat

Begin set-up

Step 4 – System Optimization

System optimization displays:

- » System test.
 - **Inverters only**
- » Charge mode
 - **Inverters only**
- » Optional test
- » Error history
 - Logs alerts with an error code
 - **White = not critical**
 - **Yellow = critical**
- » Calibration
- » Status

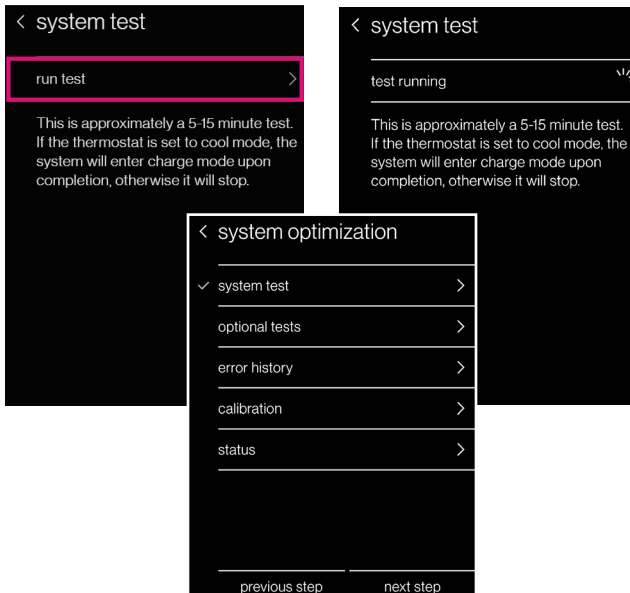


Begin set-up

How to Run System Test for Inverter Outdoor Units

Navigate to system optimization > system test > Inverters only

- » On initial power-up the inverter heat pump or air conditioner will display code E11, signaling that initial system test must be run.
- » System test is required to check the equipment settings and functionality.
- » Once selected, it checks the equipment for approximately 10-15 minutes. System test may exceed 15 minutes if there is an error.
- » While the system test is active **“test running”** message shows up on the screen.
- » System test is complete only when display code E11 notice clears from the seven segment LED display on the heat pump or air conditioner. Please wait for test to complete and for code to clear.
- » As soon as the test completes, “test running” message is cleared from the screen.



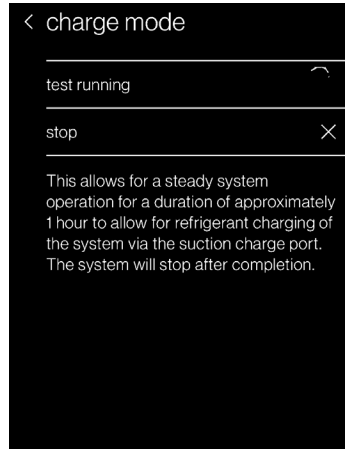
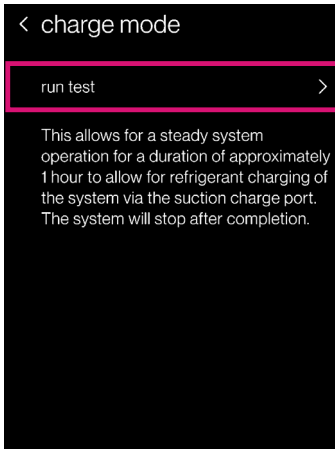
Commissioning the Daikin *One+* smart thermostat

Begin set-up

How to Use Charge Mode

Navigate to system optimization > charge mode > run test

- » Charge mode allows for the contractor/technician to monitor system performance and top off the charge if needed.
- » System operates for a duration of approximately **one hour** while the equipment runs at full capacity.
- » During this time, the contractor/technician will add vapor refrigerant into the suction line while monitoring system performance. Refrigerant should no longer be charged into the system once performance is correct.
- » After one hour, the charge mode ends and the system resumes normal thermostat operation.
- » To terminate charge mode select 'stop'.



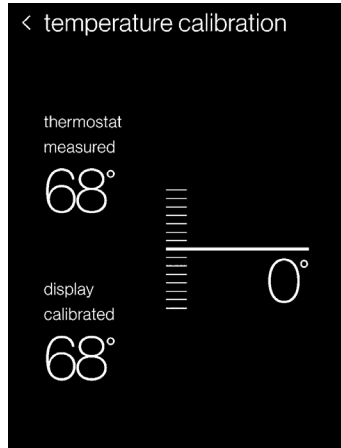
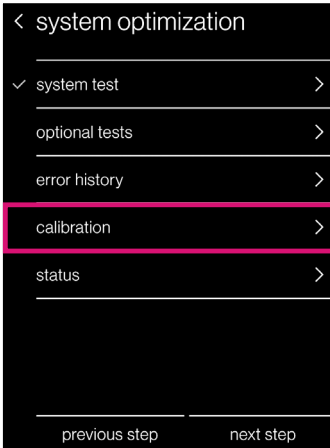
FOR PROPER CHARGING OF A SYSTEM, SEE EQUIPMENT INSTALLATION MANUAL.

Begin set-up

How to Calibrate Temperature

Navigate to system optimization > calibration > temperature calibration

- » To calibrate or make adjustment to the thermostat displayed temperature drag the offset up or down.
- » Adjustment can be made -7°F to +7°F in 1°F steps.



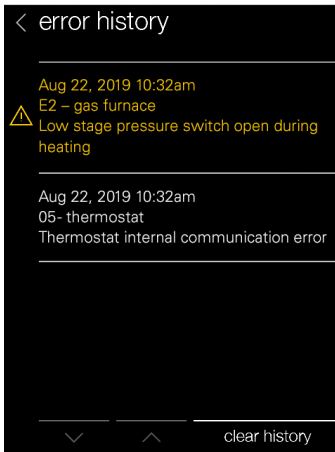
Commissioning the Daikin *One+* smart thermostat

Begin set-up

How to Check Error History

Navigate to system optimization > error history

- » Daikin *One+* “error history” menu provides access to the most recent equipment and system errors.
- » Errors are stored in order from most recent to least recent.
- » Each error entry comprises an error code, the equipment type which generated the error, brief error description and a timestamp.
- » Critical errors are displayed with an alert icon with a yellow head.
- » Any consecutively repeated error is stored only once.
- » For more information please refer to Daikin *One+* communicating thermostat documentation.



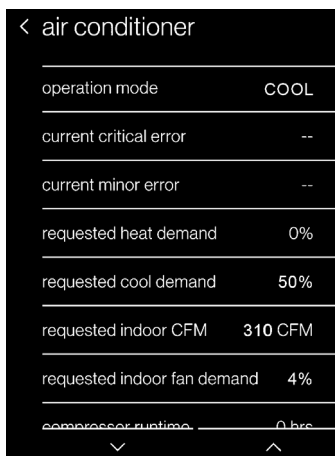
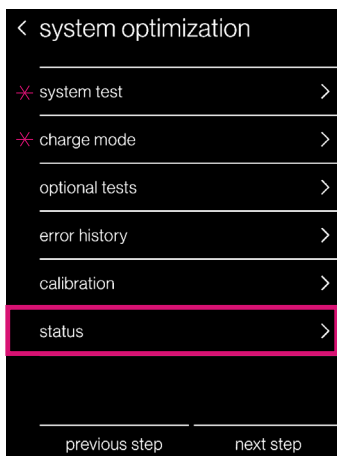
Critical errors are displayed with an alert icon with a yellow head.

Begin set-up

How to Check System Operational Information

Navigate to *system optimization > status*

- » The status menu displays data pertaining to the selected equipment
- » The scrollable list can be accessed any time by returning to the installer set-up screen



Commissioning the Daikin *One+* smart thermostat

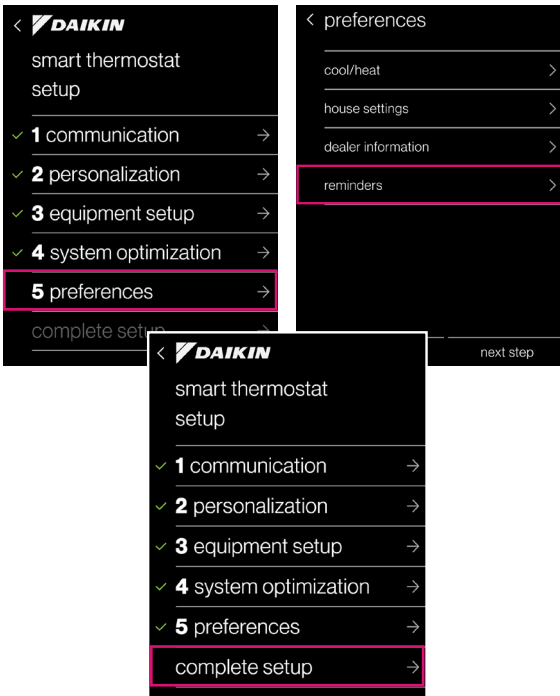
Begin set-up

Step 5 – Preferences

There are four preference settings to choose from in order to optimize your systems performance.

- » Cool/Heat
- » House settings
- » Dealer information
- » Reminders

Note: Changing preferences is not required, but reminders and dealer contact information should be input.

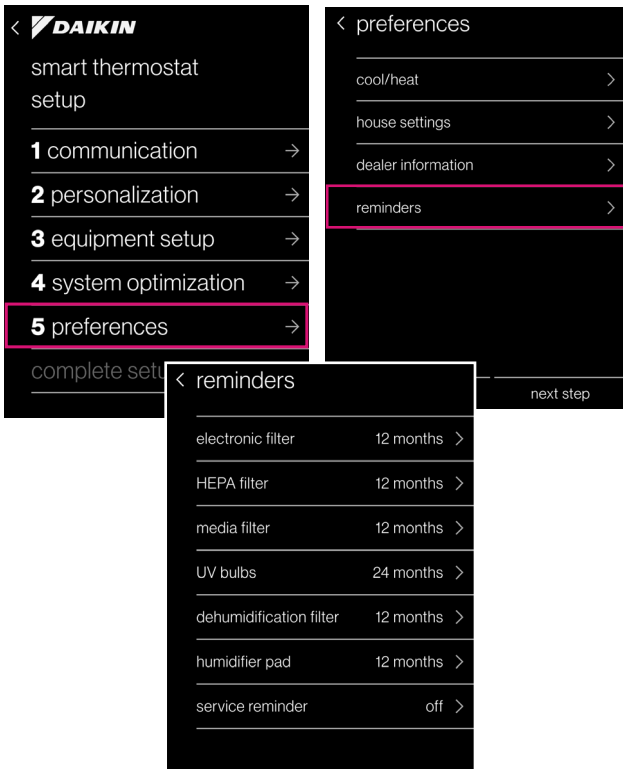


Begin set-up

How to Create Reminder

- » The number of reminders are based on the installed equipment with accessories.
- » Once the equipment has been added, a **1 – 24** month service reminder can be selected for the installed equipment.

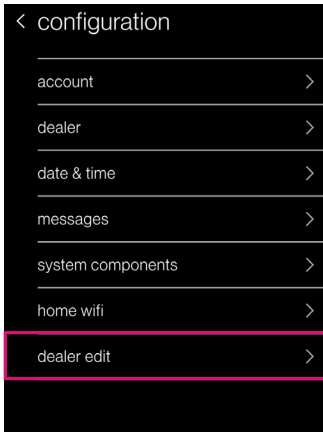
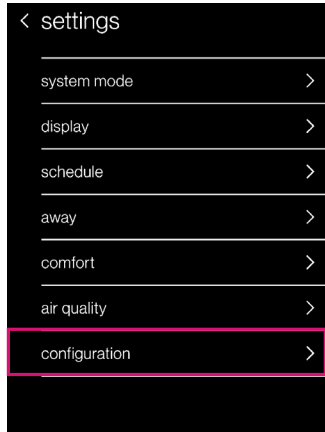
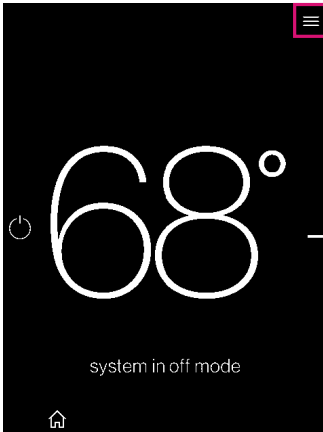
Note: The homeowner cannot edit service reminders.

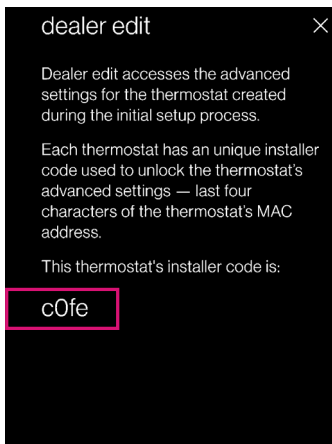
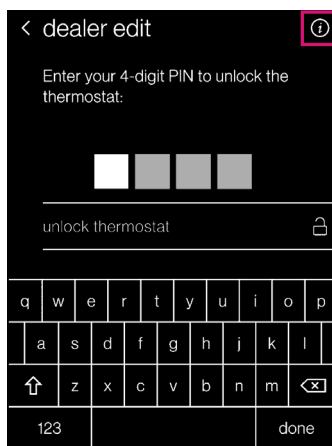
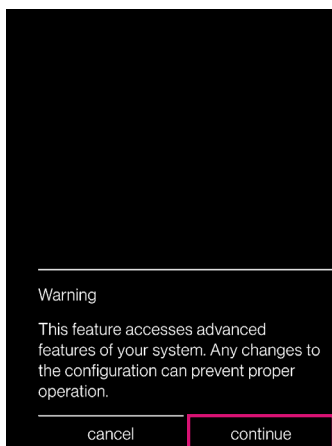


Dealer Navigation

How to return to Dealer Edit mode (Begin set-up) Navigating to dealer edit will allow you to access or revisit the installer set-up screen.

» Advanced adjustments to the Daikin *One+* will be made here.





How to Set-up Humidification and Dehumidification Set-points

On the homeowner menu navigate to settings > comfort > target humidity

- » Drag the value left or right to set the target humidity level
- » Top value displays the target humidification level
- » Bottom value displays the target dehumidification level
- » The system attempts to keep the humidity as close as possible to your selected value



References



1. What are the support resources available?

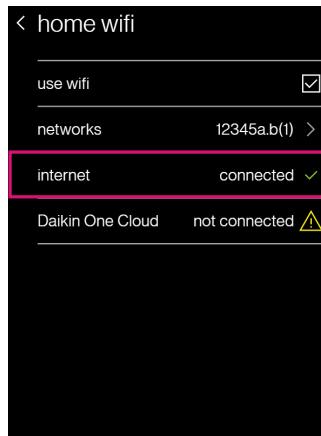
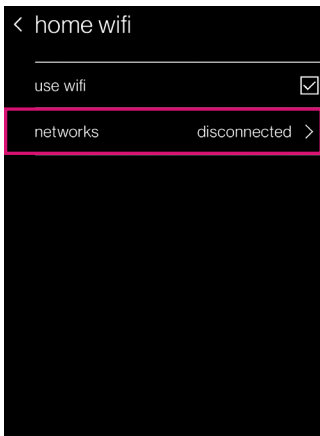
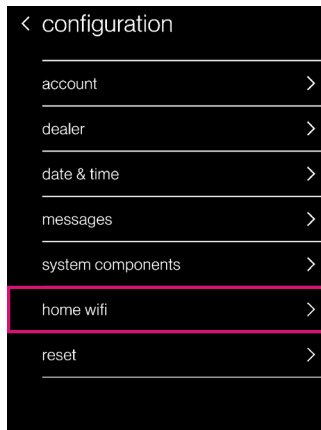
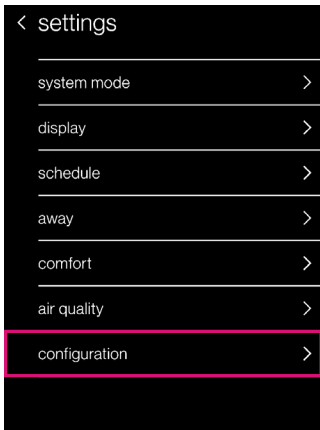
- a. For general support for the Daikin *One+* smart thermostat – call 1-855-daikin1 and select option #1.
- b. For troubleshooting* and error codes – call 1-855-daikin1 and select option #4 (*For optimal support experience, dealers/installers must be on site before calling our troubleshooting lines).
- c. www.Daikinone.com has resources for homeowners and professionals.
- d. For questions on where to find educational materials - call 1-855-daikin1 and select option #6.
- e. Technical specifications and training content can be found on www.DaikinCity.com.

2. What to do if equipment isn't found during discovery mode?

- a. Find the AHU but not the outdoor unit?
 - i. Ensure wiring is tight, as this may cause dysfunctional systems due to loose wiring at the *One+* mounting plate. Reference back to the wiring troubleshooting section (page 18).

3. How do I connect to Wi-Fi?

- a. You can connect the Daikin *One+* smart thermostat to Wi-Fi by following the steps below. If you have more than one thermostat each one will need to be connected individually.
 - i. Select the menu icon located in the upper right-hand corner section.
 - ii. Select Settings and then Configuration.
 - iii. Then select Home Wi-Fi.
 - iv. Ensure the "Use Wi-Fi" box is checked and then select scan network.



If you encounter any issues or would like assistance with setting up your Daikin *One+* smart thermostat:

CONTACT DAIKIN SUPPORT AT **1-855-DAIKIN1 AND SELECT OPTION ONE** TO BE CONNECTED WITH OUR SUPPORT TEAM

Other resources:

- Go to www.daikinone.com and click on the banner to access homeowner site and dealer site for Daikin *One+*



[About Daikin](#) | [Homeowners](#) | [Professionals](#) | [More...](#)

» **Homeowner**

- **Welcome page:**

- https://www.daikinone.com/smart_thermostats/oneplus/welcome/

- Contains information for homeowner for how to use Daikin *One+* smart thermostat and how to use the mobile app

» **Professional (Contractor/Installer)**

- Get help at www.daikinone.com/smart_thermostats/oneplus/Pros

- Installation and commissioning information

- Commissioning menu outline

- Wiring diagram, troubleshooting table

» **Daikin *One+* Installation and Commissioning webinar is also available from Daikin City > Daikin University**

- https://youtu.be/_3q_UhF84Xs

- <https://www.youtube.com/user/DaikinAC>

Menu Outline Table of Contents

- » **Daikin One+ Smart Thermostat Commissioning Menu Outline for Unitary equipment**
 - v2.1.16 software

WELCOME.....	56-57
EQUIPMENT TYPE	56-57
SETUP	56-57
1. COMMUNICATION.....	56-57
2. PERSONALIZATION.....	58-59
3. EQUIPMENT SETUP	60-75
4. SYSTEM OPTIMIZATION	74-81
5. PREFERENCES.....	80-83

NOTE: The Menu Outline (pages 56-83) are best viewed as spreads or “Two Page View” mode.

Menu Outline Overview

Level 1	Level 2	Level 3	Level 4	Level 5
welcome	english español française	(radio buttons)		
	use large font	(checkbox)		
	continue			
Equipment Type	unitary (radio button)	cancel continue		
	single/multi-split (S21) (radio button)			
	<i>VRV, SkyAir</i> , single/ multi-split (P1P2) (radio button)			
	continue			
Setup	begin setup	(to smart thermostat setup with 5 main steps below)		
	setup options	factory reset		
		run dealer demo mode		
		run homeowner demo mode		
learn more				
1. Communication	equipment type	unitary		
		mini/multi-split (S21)		
		<i>VRV, SkyAir</i> , mini/ multi-split (P1/P2)		
	home wifi	use wifi		
		networks	(list of available networks) search again	
		internet connected (tickmark)		
		Daikin <i>One</i> Cloud connected (tickmark)		

Level 6	Default	Display only?	Conditions
	english		
	unchecked		
	unitary		
	unitary		
			Only appears when "use wifi" selected
		Yes	Only appears when connected to active wifi network.
		Yes	Only appears if successfully connected to internet.

Continued on next page

Menu Outline Overview

Level 1	Level 2	Level 3	Level 4	Level 5	
2. Personalization	language	english español française			
	use large font	(checkbox)			
	date & time		(month, day, and year selection)		
			(hour, minute, and am/pm selection)		
			use 24-hour format		
			time zone	(list of time zones)	
	device name	main room upstairs downstairs hallway bedroom kitchen other (other name)	(text entry for other)		
degree units	fahrenheit celsius				

Level 6	Default	Display only?	Conditions
	english		
	unchecked		
			set automatically when connect to WiFi.
			set automatically when connect to WiFi.
	disabled		
	Pacific		set automatically when connect to mobile app.
	main room		
	fahrenheit		

Continued on next page

Menu Outline Overview

Level 1	Level 2	Level 3	Level 4	Level 5	
3. Equipment Setup	Air Conditioner (model # from CT)	Specifications	Model #		
			Serial #		
			Control Software Version		
			Inverter Software Version		
			Number of cool stage		
			Number of heat stages		
			Tonnage		
		Cool Settings	Cool Airflow Trim	Low speed trim	
				Intermediate speed trim	
				High speed trim	
				-10% to 10% in 2% increments	
			Cool Profiles	Profile A Profile B Profile C Profile D	
			Cool Airflow ON Delay	5, 10, 20, 30s	
			Cool Airflow OFF Delay	30, 60, 90, 120s	
			Max compressor RPS		
			RPS offset	0 to 20 in 0.5 RPS steps	
			Dehumidification	Dehumidify with cooling:	

Level 6	Default	Display only?	Conditions
		Yes	If scan successful
		Yes	
		Yes	
		Yes	Inverter only
		Yes	
		Yes	Will display for AC, as "0" stages.
		Yes	
-15% to 15% in 3% increments			Inverter AC only
-15% to 15% in 3% increments			Inverter AC only
-15% to 15% in 3% increments			Inverter AC only
			2-stage models only
		Yes	Inverter only
			Inverter only
Off, On			

Continued on next page

Menu Outline Overview

Level 1	Level 2	Level 3	Level 4	Level 5	
3. Equipment Setup cont'd	Heat Pump (model # from CT)	Specifications	Model #		
			Serial #		
			Control Software Version		
			Inverter Software Version		
			Number of cool stage		
			Number of heat stages		
			Tonnage		
		Cool Settings	Cool Airflow Trim	Low speed trim	
				Intermediate speed trim	
				High speed trim	
				-10% to 10% in 2% increments	
			Cool Profiles	Profile A Profile B Profile C Profile D	
			Cool Airflow ON Delay	5, 10, 20, 30s	
			Cool Airflow OFF Delay	30, 60, 90, 120s	
			Max compressor RPS		
			RPS offset	0 to 20 in 0.5 RPS steps	
Dehumidification	Dehumidify with cooling:				

Level 6	Default	Display only?	Conditions
		Yes	
		Yes	
		Yes	
		Yes	Inverter only
		Yes	
		Yes	
		Yes	
-15% to 15% in 3% increments			Inverter HP only
-15% to 15% in 3% increments			Inverter HP only
-15% to 15% in 3% increments			Inverter HP only
			2-stage models only
		Yes	Inverter only
			Inverter only
Off, On			

Continued on next page

Menu Outline Overview

Level 1	Level 2	Level 3	Level 4	Level 5
3. Equipment Setup cont'd	Heat Pump (model # from CT) cont'd	Heat Settings	Heat Airflow Trim	Low speed trim
				Intermediate speed trim
				High speed trim
				-10% to 10% in 2% increments
			Heat Airflow ON Delay	5, 10, 15s
			Heat Airflow OFF Delay	30, 50, 70, 90s
			Backup Defrost Heat	1: always on; 2: on below 30°F; 3: 35°F; 4: 40°F; 5: 45°F; 6: 50°F; 7: 55°F; 8: 60°F; 9: 65°F; 10: always off;
			Defrost Interval	30, 60, 90, 120m
			Defrost Compressor Delay	0, 5, 15, 30s
			Max compressor RPS	
		Max RPS offset	0 to 20 in 0.5 RPS steps	
		Heat Pump Settings	heat pump lockout temp	-20°F to 65°F in 5°F increments
			aux heat lockout temp -or- balance point	-10°F to 75°F in 5°F increments

Level 6	Default	Display only?	Conditions
-15% to 15% in 3% increments			Inverter HP only
-15% to 15% in 3% increments			Inverter HP only
-15% to 15% in 3% increments			Inverter HP only
			2-stage models only
			HP only
			HP only
			<i>Fit</i> Heat Pump only
			HP only
			2-stage HP only
		Yes	Inverter only
			Inverter only
	15°F		If also electric or gas heat. Not displayed for dual-fuel systems.
	50°F		If also electric or gas heat, "balance point" is for dual-fuel systems.

Continued on next page

Menu Outline Overview

Level 1	Level 2	Level 3	Level 4	Level 5
3. Equipment Setup cont'd	Furnace (model # from CT)	Specifications	Model #	
			Serial #	
			Control Software Version	
			number of furnace stage	
			Size/Capacity	
			Blower Motor Size	
		Heat Settings	Gas Heat Airflow Trim	-15% to 15% in 3% increments
				-10% to 10% in 2% increments
			Gas Heat Airflow ON Delay	5 to 30s in 5s increments
			Gas Heat Airflow OFF Delay	30 to 180s in 30s increments
			Heat CFM Taps	Tap A Tap B Tap C Tap D
		Humidifier Relay	Humidification Mode	On, Off
			Humidification Fan Speed	25, 50, 75, 100%
		Aux Alarm	On/Off	

Level 6	Default	Display only?	Conditions
		Yes	
		Yes	
		Yes	
		Yes	
		Yes	
		Yes	
			Modulating furnace only
			2-stage furnace only
			Modulating and 2-stage furnaces
			Modulating and 2-stage furnaces
			Modulating and 2-stage furnaces, not ULN furnace.
			2-stage furnace only (not mod or ULN)
			2-stage furnace only (not mod or ULN)
			2-stage furnace only (not mod or ULN)

Continued on next page

Menu Outline Overview

Level 1	Level 2	Level 3	Level 4	Level 5	
3. Equipment Setup cont'd	Air Handler or Blower (model # from CT)	Specifications	Model #		
			Serial #		
			Control Software Version		
			Blower Motor Size		
		Heater Kit	Is a heater kit installed?	Yes/No	
					None, 3, 5, 6, 8, 10kW
			Size (kW)		None, 5, 6, 8, 10, 15, 19kW
					None, 5, 6, 8, 10, 15, 20kW
					None, 5, 6, 8, 10, 15, 20, 25kW
			Electric Heat Airflow Trim		0% to 10% in 2% steps
					-10% to 10% in 2% steps
			Heat Airflow ON Delay		
				Heat Airflow OFF Delay	
			Humidifier Relay	Humidifier Enable with Blower None	
		Humidification Fan Speed		25, 50, 75, 100%	
		Aux Alarm	On/Off		
		Coil (model # from CT)	Configuration	Serial #	
				Software Version	

Level 6	Default	Display only?	Conditions
		Yes	
		Yes	
		Yes	
		Yes	
	No		non-DVPEC/DVFEC (used to confirm heater kit installed matching heater kit settings on PCB).
		Yes	non-DVPEC/DVFEC
		No	DV25PEC, DV24FEC
		No	DV37PEC, DV36FEC, DV42FEC
		No	DV59PEC, DV48FEC
		No	DV61PEC, DV60FEC
			DVPEC/DVFEC (EEV) models only
			non-DVPEC/DVFEC CT models (with TXV)
		Yes	
		Yes	
			DVPEC/DVFEC only
			DVPEC/DVFEC only, if humidifier selected above
			non-DVPEC/DVFEC air handlers and blowers.
		Yes	
		Yes	

Continued on next page

Menu Outline Overview

Level 1	Level 2	Level 3	Level 4	Level 5	
3. Equipment Setup cont'd	Media filter	Number of filters	1, 2		
		Remove equipment	Do you want to remove this equipment?	Cancel Continue	
	Add Equipment	indoor air quality sensor			
		24V AC Condenser			
		Humidifier			
		Dehumidifier			
		UV bulb			
		HEPA filter			
		Electronic filter			
	Zone board				
	Indoor air quality sensor	Remove equipment	Do you want to remove this equipment?	Cancel Continue	
	24V AC Condenser	Cool Settings	Cool CFM	18, 24, 30, 36, 42, 48, 60 kBTUs cooling	
			Cool Airflow Trim		-15% to 15% in 3% increments
					-10% to 10% in 2% increments
			Cool Profiles	Profile A Profile B Profile C Profile D	
			Cool Airflow ON Delay		5, 10, 20, 30s
					1, 5, 10, 20, 30s
			Cool Airflow OFF Delay		30, 60, 90, 120s
				0, 30, 60, 90, 120s	
	Remove equipment	Do you want to remove this equipment?	Cancel Continue		

Level 6	Default	Display only?	Conditions
	1		
			If Mod or 2-stage furnace and no AC or HP already. (ULN 1-stage furnace doesn't support.)
			Can only add 1 of each type.
			Modulating furnace only
			2-stage furnace only
			Modulating furnace only
			2-stage furnace only
			Modulating furnace only
			2-stage furnace only

Continued on next page

Menu Outline Overview

Level 1	Level 2	Level 3	Level 4	Level 5
3. Equipment Setup cont'd	Humidifier	Connection	Aux1	
			Aux2	
		Control	On with heat On with heat and hum	
		number of pads	1, 2	
	Remove equipment	Do you want to remove this equipment?	Cancel Continue	
	Dehumidifier	Connection	Aux1	
			Aux2	
		Control	On with cool On with cool and dehum On with dehum On with no cool and dehum	
		Fan speed	0% 25% 50% 75% 100%	
	Remove equipment	Do you want to remove this equipment?	Cancel Continue	
	UV Bulb	Number of bulbs	1, 2	
		Remove equipment	Do you want to remove this equipment?	Cancel Continue
	HEPA filter	Number of filters	1, 2	
		Remove equipment	Do you want to remove this equipment?	Cancel Continue
	Electronic filter	Number of filters	1, 2	
		Remove equipment	Do you want to remove this equipment?	Cancel Continue

Level 6	Default	Display only?	Conditions
			If humidifier added
	On with heat and hum call		
			If dehumidifier added.
	On with dehum		
	100%		
			If UV bulbs added.
	0		
			If HEPA filter added.
	0		
			If Electronic filter added.
	1		

Continued on next page

Menu Outline Overview

Level 1	Level 2	Level 3	Level 4	Level 5	
3. Equipment Setup cont'd	Zone Board	Type	EWC Zone Board		
		Zone 1 Additional Zone	(radio button)		
		heater kit installed	(checkbox)		
		Remove equipment	Do you want to remove this equipment?	Cancel Continue	
4. System Optimization	System Test	Run test (explanation of test)			
	Charge Mode	Run test Stop (explanation of test)			
	Optional Tests	Cooling	Run test Stop (explanation of test)		
		Fan	Run test Stop		
		Heat Pump Heat	Run test Stop (explanation of test)		
		Gas Heat	Run test Stop (explanation of test)		
		Electric Heat	Run test Stop (explanation of test)		
		Pump Down	Run test Stop (explanation of test)		
	Error History	(date and time of error) (code - equipment) (error description)			
		Clear error history?	Cancel/Continue	Yes/No	

Level 6	Default	Display only?	Conditions
			If zone board added
	Zone 1		
	No		Appears when "Additional Zone" selected to tell thermostat is heater kit
			Only in inverter AC and HP for first release.
			If capable of cooling, and only inverter AC/HP in first release.
			If system capabilities include cooling
			If system capabilities include heat pump heat.
			If system capabilities include gas heat
			If system capabilities include electric heat
			Inverter only, but not <i>Fit</i> AC/HP.
		Yes	

Continued on next page

Menu Outline Overview

Level 1	Level 2	Level 3	Level 4	Level 5	
4. System Optimization cont'd	Calibration	Temperature calibration	-7°F to 7°F in 1°F steps		
		Humidity calibration	-15% to 15% in 1% steps		
	Status	air conditioner (or) heat pump		operation mode	
				current critical error	
				current minor error	
				requested heat demand	
				requested cool demand	
				requested indoor CFM	
				requested indoor fan demand	
				requested dehum demand	
				compressor runtime	
				compressor reduction mode	
				outdoor fan RPM	
				outdoor fan tap	
				outdoor air temp	
				outdoor coil temp	
	liquid temperatures				
	discharge temperature				
	outdoor defrost sensor temp				
	suction temperature				
	suction pressure				

Level 6	Default	Display only?	Conditions
	0°		
	0%		
		Yes	all equipment
		Yes	if critical error
		Yes	if minor error
		Yes	Only HP models.
		Yes	all equipment
		Yes	all equipment
		Yes	inverter always shows "0%", may only display for 2-stage where is valid.
		Yes	all equipment
		Yes	inverter only
		Yes	inverter only
		Yes	inverter only
		Yes	inverter only
		Yes	all equipment
		Yes	Not DX18 or DX16 models
		Yes	inverter only
		Yes	inverter only
		Yes	inverter HP only
		Yes	inverter only
		Yes	inverter only

Continued on next page

Menu Outline Overview

Level 1	Level 2	Level 3	Level 4	Level 5
4. System Optimization cont'd	Status cont'd	air handler	operation mode	
			current critical error	
			current minor error	
			current heat demand	
			requested heat demand	
			current indoor CFM	
			current indoor fan demand	
			requested indoor fan demand	
			requested hum demand	
			requested dehum demand	
			refrigerant type	
			calculated superheat	
			calculated subcool	
			fan runtime	
			liquid temperature	
suction temperature				
pressure sensor				

Level 6	Default	Display only?	Conditions
		Yes	
		Yes	
		Yes	
		Yes	
		Yes	
		Yes	
		Yes	
		Yes	
		Yes	
		Yes	
		Yes	DVPEC/DVFEC only
		Yes	DVPEC/DVFEC only (may be disabled)
		Yes	DVPEC/DVFEC only (may be disabled)
		Yes	DVPEC/DVFEC only
		Yes	DVPEC/DVFEC only
		Yes	DVPEC/DVFEC only
		Yes	DVPEC/DVFEC only

Continued on next page

Menu Outline Overview

Level 1	Level 2	Level 3	Level 4	Level 5
4. System Optimization cont'd	Status cont'd	furnace	operation mode	
			current critical error	
			current minor error	
			current heat demand	
			requested heat demand	
			current cool demand	
			requested cool demand	
			current indoor CFM	
			current indoor fan demand	
			requested indoor fan demand	
			requested hum demand	
		requested dehum demand		
		EEV	current critical error	
			current minor error	
5. Preferences	cool/heat	min/max setpoints	50°F to 90°F in 1°F increments	
		deadband / overcool	Temperature setpoint dead band: (2°F to 9°F in 1°F increments)	
			Overcooling allowed to dehumidify: (0, 1, 2, or 3°F)	
		boost mode	on/off	
			outdoor activation temperature	Always ON, 70F, 75F, 80F, 85F, 90F, 95F, 100F, 105F

Level 6	Default	Display only?	Conditions
		Yes	
		Yes	
		Yes	
		Yes	
		Yes	
		Yes	
		Yes	
		Yes	
		Yes	
		Yes	
		Yes	
		Yes	
		Yes	
		Yes	
		Yes	
	50°F min, 90°F max		
	4°F		If system capabilities include heating and cooling
	0°F		If system capabilities include cooling
			16-18 and newer 20 SEER inverter only
			16-18 and newer 20 SEER inverter only

Continued on next page

Menu Outline Overview

Level 1	Level 2	Level 3	Level 4	Level 5
5. Preferences cont'd	house settings	quiet mode	use quiet mode	(check box)
			quiet hours	from: (time) to: (time) (time selection in 15 min. increments)
			Sound suppression level	Level 1 Level 2 Level 3 (quietest)
			Capacity priority	On/Off
		house size	500 to 10,000 sf in 100 sqft increments	
		vertical rise	Same level Outdoor lower Indoor lower	
		dealer information	name	(text entry)
	phone		(text entry)	
	email		(text entry)	
	website		(text entry)	
	message		(text entry)	
	reminders	media filter	off, 1, 2, 3, 4, 6, or 12 months	
		HEPA filter	off, 1, 2, 3, 4, 6, or 12 months	
		Electronic filter	off, 1, 2, 3, 4, 6, or 12 months	
		UV bulbs	off, 6, 12, 18, or 24 months	
		dehumidification filter	off, 1, 3, 6, or 12 months	
		humidifier pad	off, 3, 6, or 12 months	
		service reminder	off, 3, 6, or 12 months	

Level 6	Default	Display only?	Conditions
	disabled		<i>Fit AC/HP only</i>
	10pm to 7am		<i>Fit AC/HP only</i>
	Level 2		<i>Fit AC/HP only</i>
	On		<i>Fit AC/HP only</i>
			Inverter AC/HP
	off		if media filter
	off		if HEPA filter
	off		if Electronic filter
	off		
	off		
	off		
	off		

Important Notes

NOTE: 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.

REMARQUE: Cet équipement a été testé et déclaré conforme aux limites imposées aux appareils numériques de classe B, conformément à la section 15 du règlement de la FCC. Ces limites sont conçues pour fournir une protection raisonnable contre les interférences nuisibles dans une installation résidentielle. Cet équipement génère, utilise et peut émettre des fréquences radio et, s'il n'est pas installé et utilisé conformément aux instructions, il peut causer des interférences nuisibles aux radiocommunications. Cependant, rien ne garantit que des interférences ne se produiront pas dans une installation particulière. Si cet équipement provoque des interférences nuisant à la réception de la radio ou de la télévision, ce qui peut être déterminé en éteignant et en rallumant l'équipement, l'utilisateur est invité à tenter de corriger les interférences en appliquant l'une ou plusieurs des mesures suivantes:

- » Réorienter ou déplacer l'antenne de réception.
- » Augmenter la distance entre l'équipement et le récepteur.
- » Connecter l'équipement à une prise d'un circuit différent de celui auquel le récepteur est connecté.
- » Consulter le concessionnaire ou un technicien expérimenté en radio/ télévision pour obtenir de l'aide.

Quick Reference Card Details

Dealers

Install the thermostat

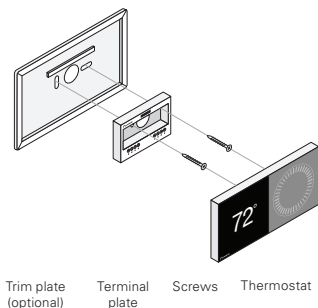
If you need to cover holes in the wall, place the trim plate against the wall first.

Then use the included screws to secure the terminal plate to the wall (sandwiching the trim plate if you're using it).

After connecting the wires, place the top of the thermostat against the terminal plate and press down until it snaps into place.

Get help at:

www.daikinone.com/smart_thermostats/oneplus/Pros



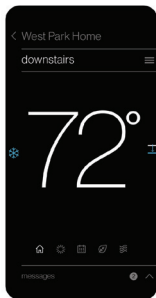
Scanning the bar code on the bottom left corner will link you to a website related to the title of the card.

Homeowners

Install the app to control your smart thermostat from virtually anywhere.



Available on the App Store and Google Play.

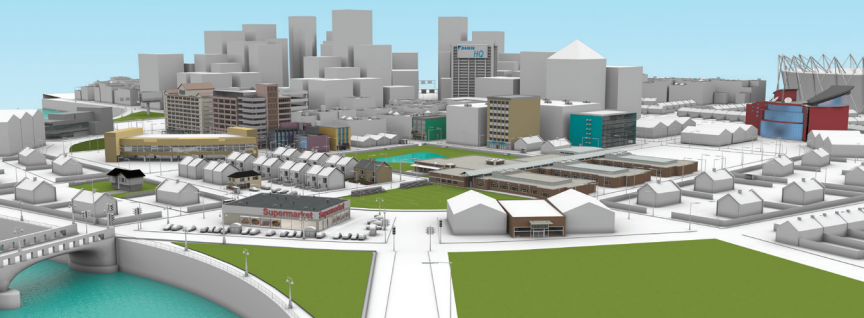


Scanning the bar code on the bottom left corner will link you to a website related to the title of the card.



About Daikin:

Daikin Industries, Ltd. (DIL) is a global Fortune 1000 company which celebrated its 95th anniversary in May 2019. The company is recognized as one of the largest HVAC (Heating, Ventilation, Air Conditioning) manufacturers in the world. DIL is primarily engaged in developing indoor comfort products and refrigeration systems for residential, commercial and industrial applications. Its consistent success is derived, in part, from a focus on innovative, energy-efficient and premium quality indoor climate and comfort management solutions.



www.daikincity.com

For more information:

Sales and Technical Support: 1-855-DAIKIN1

www.daikincomfort.com or daikinac.com



Our continuing commitment to quality products may mean a change in specifications without notice.

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