

TJ - 225
**Smart Wi-Fi Thermostat
with Nightlight**

User Manual



MANUAL

First things first. Here 's what you ' ll find in the box

- 🔧 Wi-Fi Thermostat
- 🔩 Two screws and anchors
- 🔧 Flathead screwdriver
- 🏷️ Wire labels
- ⚡ Jumper wire



You may also need these tools:



Phillips screwdriver



Level



Pencil



Home Wi-Fi Password

Compatibility Section

For conventional (gas / oil / propane / electric) heat-pump and dual fuel systems.

> 2-Heat & 2-Cool > 1-Heat & 1Cool > Heat Only > Cool Only

> Heat Pump W W/O Emerg. Heating or Aux. Heating

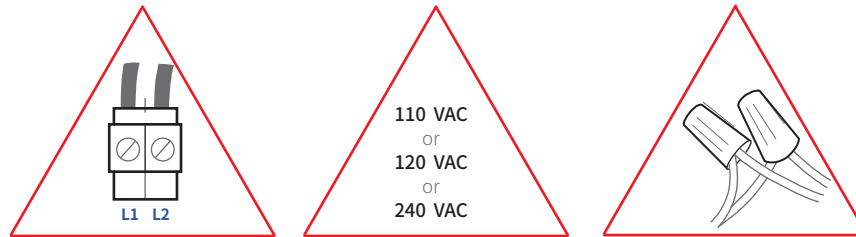
C-Wire required to power the thermostat

Note: If you're uncertain about your wiring, get Professional help please!

Incompatible wiring and voltage

Please check your old thermostat's wall plate have any below indicators?

- **Does not work with electric baseboard heat(110VAC~240VAC)**
- **Does not work with millivolt systems**
- **Does not support S terminals for indoors and outdoors sensors.**



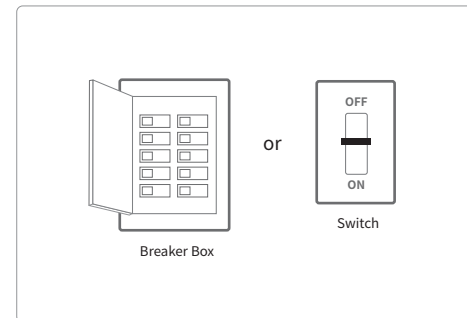
NOTE : If you are unsure, please contact a professional or double check at www.VINECONNECTED.com

Getting Started

This TJ-225 thermostat is designed to work on most 24V-AC low voltage heating and cooling systems such as gas and oil furnaces, heat pumps, and single or dual-stage systems.

Step 1 **Switch off power**

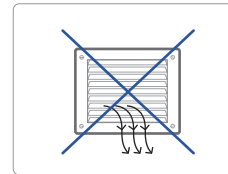
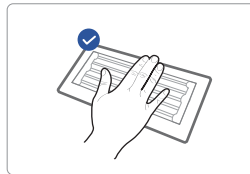
This protects you and avoids blowing a fuse in your equipment. To make sure the power is off, change the temperature with your current thermostat and wait at least five minutes to be sure that your system doesn't turn on.



Step 2 Check that your system is off

Confirm your system is off by turning on your heat (during winter) or your AC (during summer). Wait a few minutes—you should not feel air coming from your vents.

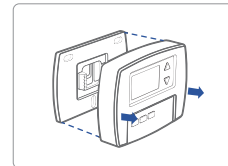
NOTE : If you have a digital thermostat that has a blank display, skip this step.



Step 3 Remove your old thermostat from the wall plate

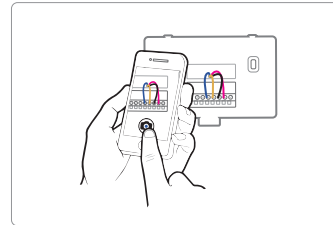
Most thermostats allow you to remove the main unit and provide access to a wall plate which holds the wiring terminals, you can take off the thermostat by grasping and gently pulling. Some thermostats may have screws, buttons, or clasps.

NOTE : Do not remove any wires from your thermostat at this time!



Step 4 Take a picture of the wires

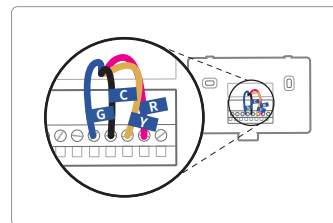
Take a picture of your existing wall plate's wiring and save it for reference. Make sure you can read the wire terminal labels.



Step 5 Label the wires

Use the wire label provided with your new thermostat to label each wire on your old wall plate.

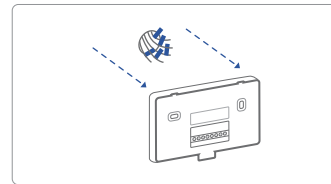
NOTE: If you have an Rc or Rh wire, put the R label on it.



Step 6 **Disconnect the wires and remove the old wall plate**

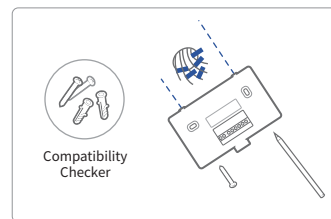
Disconnect the wires from the old thermostat one by one, you may need a screwdriver to release wires from terminals.

NOTE : Wrap the wires around a pen or pencil so they don't fall back into the hole in the wall.











Step 7 **Mount the New Wall Plate**

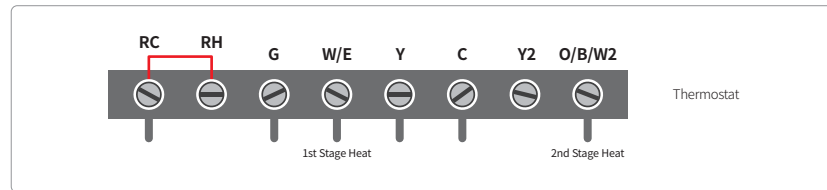
Use the enclosed screws and anchors to mount the new wall plate. In most cases, you can utilize the same mounting position of your old thermostat. Be sure to check the alignment of your wall plate pre and post installation of the thermostat unit.



Look at the thermostat wiring photo you took. The following are wiring diagrams for common systems, please confirm you have a C connected to your old thermostat.

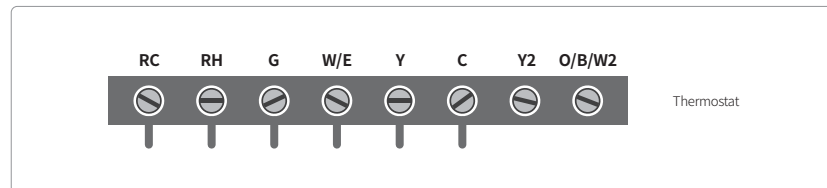
Terminal		Conventional System	Heat Pump System
RC		Power for cooling, 24V	/
RH		Power for heating, 24V	/
C		Common wire, 24V	/
G		Fan	/
Y		1st Stage Cool	1st outdoor Stage Heat
Y2		2nd Stage Cool	2nd outdoor Stage Heat
W/E		1st Stage Heat	1st Stage Auxiliary/Emergency Heat
O/B/W2		2nd Stage Heat	Changeover (reversing valve) connection for heat pump

Single Stage Heat / Two Stage Heat- Furnace / Boiler with C wire

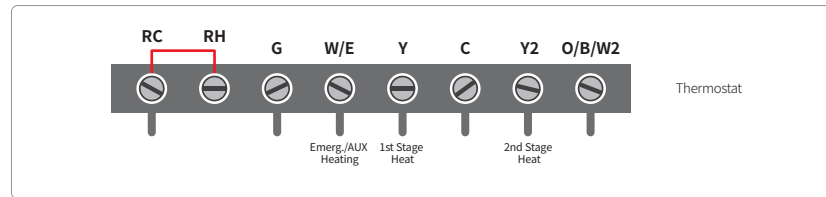


Combined Single Stage Heat and Single Cool Stage with C wire

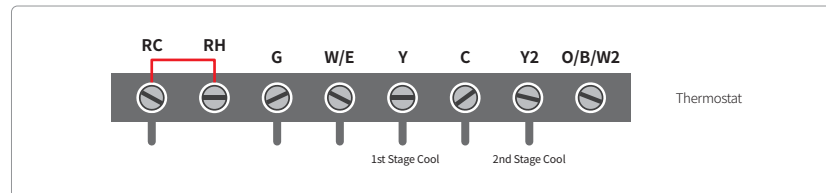
(Remove Pre-installed Jumper)
Cool Furnace and Air Conditioner



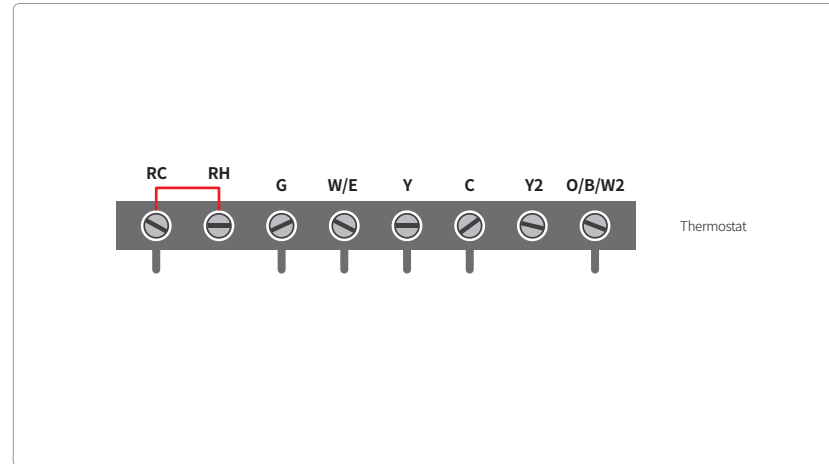
Single Stage / Two Stage Heat Pump with Emergency Heat and Auxiliary Heat with C wire



Single Stage Cool / Two Stage Cool-Air conditioner



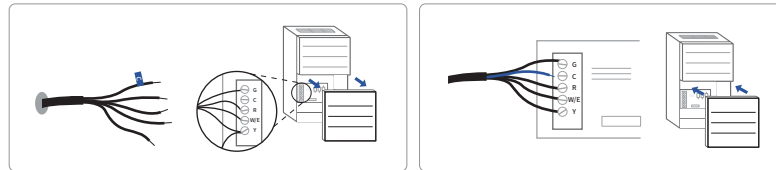
Dual Fuel System-Combined Single Stage Heat Pump and Single Stage Furnace with C wire



If you do not have a C-wire connected to your old thermostat, please check below wiring diagram.

Do you have a spare wire? Yes.

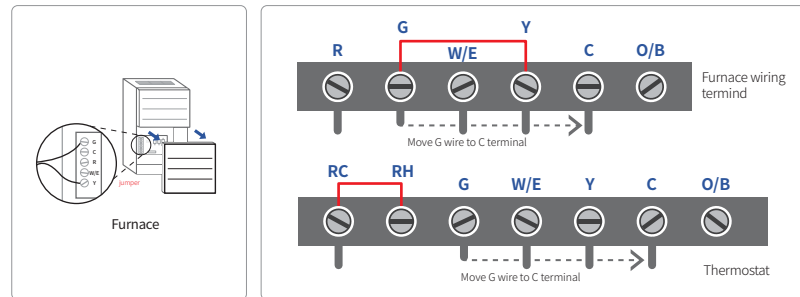
1. Check for spare wire behind your wall plate or old thermostat, if you have a spare wire, connect it to the C terminal on the new wall plate.
2. Remove cover from furnace or heating system, open the heating and cooling system's cover to find the control board. You should see the same terminal labels that are on your thermostat.
3. Find the other end of the unused wire, locate the bundle of wire that are the same as the ones at your thermostat.
4. Connect the unused wire to the C-terminal.
5. Close the cover to the furnace or heating system.



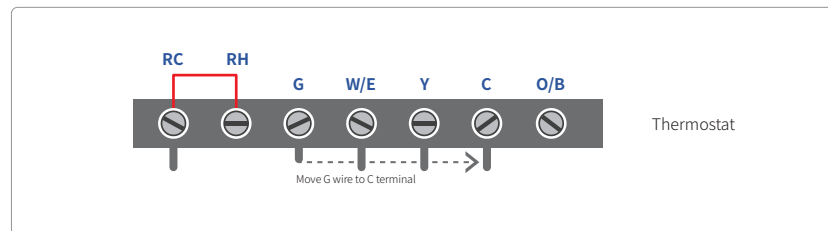
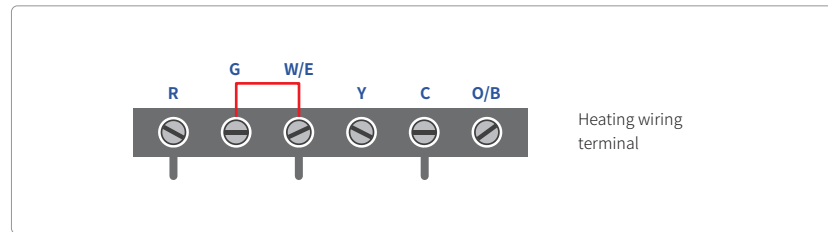
Conventional system without the C wire (also commonly called a 4-wire system)

1. Remove cover from furnace or heating system, open the heating and cooling system's cover to find the control board. You should see the same terminal labels that are on your thermostat, move the G wire to the C terminal, then use the included jumper wire to connect G with Y.
2. At the thermostat, connect C with the G wire;
3. With this configuration the thermostat will have no fan control.

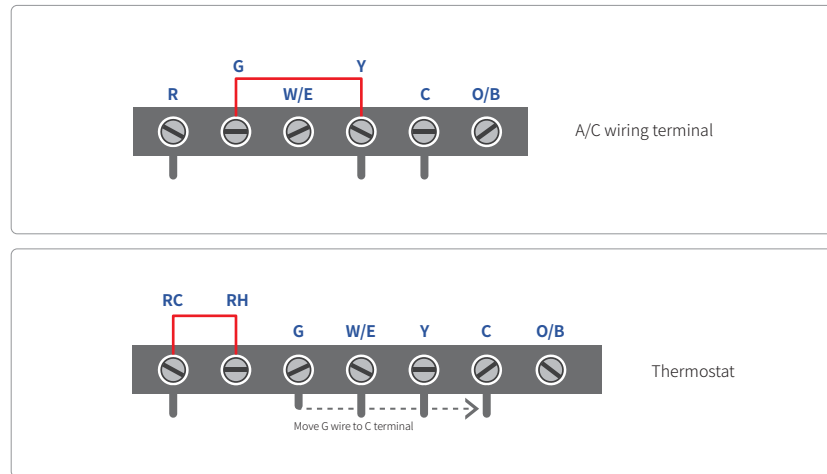
NOTE: You may need to unscrew the cover. The control board may be at the top or bottom.



Heat only 3-Wire system

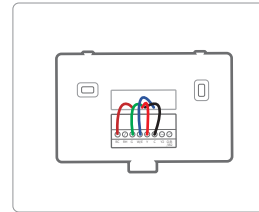


Cool only 3-Wire system



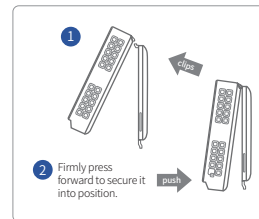
Step 8 **Connect the wires to the new wall plate**

Refer to the above wiring diagram, insert all wires vertically from the open socket into the proper terminal. Ensure each wire is inserted into the matching terminal (refer to the photo taken previously if needed). Pull wires gently to ensure wires are securely fastened. When all wire connections have been completed, place any excess wire back inside the wall.



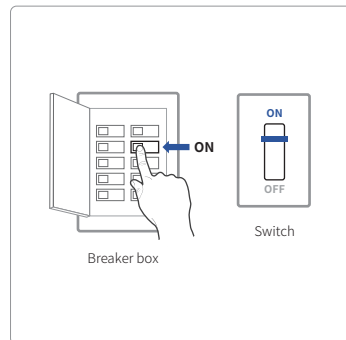
Step 9 **Attach Thermostat to the Wall**

First align the two clips on the back of the TJ-225 into the corresponding slots on the top of the wall plate.



Step 10 **Power on and Enjoy**

Turn on the switch that controls your heating and cooling system, the thermostat will power on and prompt you to start the setup. If you are having trouble, please refer to our help guide.



We are here to help.

WEBSITE: www.VINECONNECTED.com (online)

EMAIL: info@VINECONNECTED.com

Initial Setup

Step 1 Download the App

Congratulations! You are now ready to use the thermostat. Now set up your App to enjoy exciting smart features.

There are three ways to download the Vine App for your smart device :

- 1 . Search Vine Smart Control in the App Store or Google Play Store, then download;
- 2 . Use your smart device to scan the QR code on the left for an automatic download;
- 3 . Go to www.vineconnected.com, click App from the menu to download.

IOS / Android
App Download



Step 2 Create a User Account

After installing the App onto your smart phone or touch pad, create a user account. The user account can also be created through the home page on our website.



Step 3

Device Initial Setup

For a quick and easy way to begin using your new smart thermostat, the device will automatically direct you to the Initialization Setup process once it's turned on for the first time.

- 1 Heat Type**
Select your home's heating type from the options available:
- Heat Pump, Gas/Oil, Electric, Dual Fuel, or No Heating, select your Heat Type according to the heating appliance located in your home.



SETUP

If you have a heat pump installed :

- 1 . Select the heat pump menu.
- 2 . Specify what the heat pump runs when the O/B Reversing Valve is engaged: On Cool runs cooling when O/B engages (most cases), or On Heat runs heating when O/B engages.
- 3 . Touch OK to next step.

If you have a furnace or boiler installed :

- 1 . Select the heating menu.
- 2 . Configure the heater type.
- 3 . Touch OK to next step.

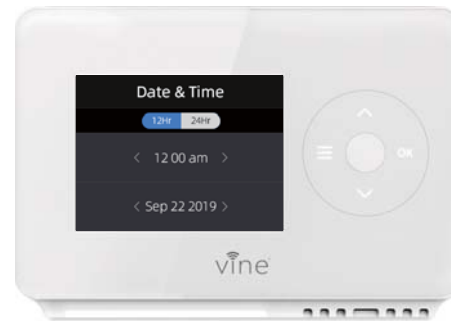
2 Schedule

Select the schedule you would like to run in your thermostat.



3 Date & Time

Follow the screen instruction to set date and time of Thermostat.



3 Wi-Fi Setup

Click the plus (+) in the top right-hand corner to add a new device. On the next screen, click the device you would like to add, in this case the TJ-225.

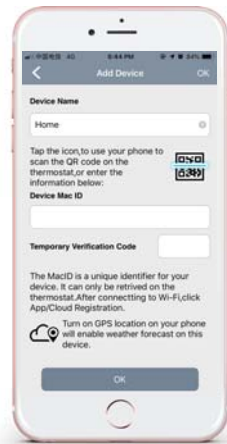


Return to your thermostat and click Ok to initiate the Initial Setup. Return to your app, and follow the on-screen instructions to connect the TJ-225 Thermostat to your home's Wi-Fi network.



Step 4 Add Device to your Account

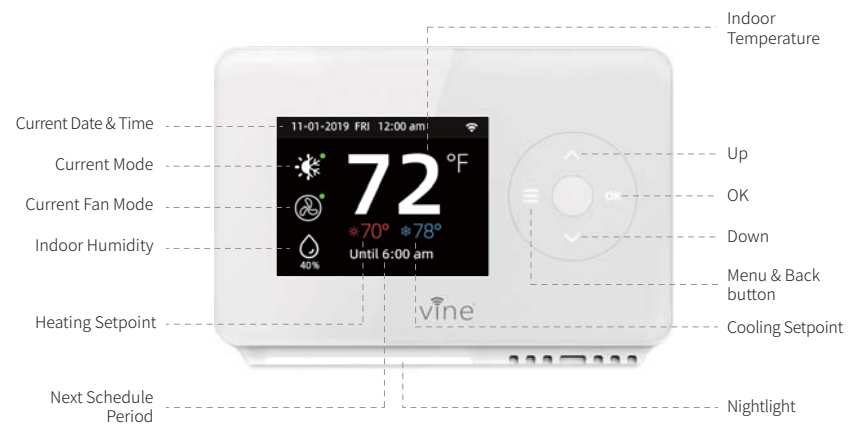
Return to your App, you will be asked to enter the MAC-ID and the Temporary Verification Code.



NOTE : Where is the QR code? After thermostat connect to Wi-Fi, you can find the QR code by Menu-> About-> QR code








Main Screen



Mode Setup

The HVAC System settings depend on the type of system you have. Depending on your system, one or more the following options are shown:

- | | | | |
|---|---|---|--|
|  <p>Cool</p> | Turn on the air conditioner when the current temperature rises above the setpoint. |  <p>Heat</p> | Turn on the heat when the current temperature drops below the setpoint. |
|  <p>Auto</p> | Activate the heating or cooling system as required to keep your home within the configured range of setpoint. |  <p>EM. Heat</p> | Only use the Emergency Heat or backup heat source to maintain the heat setpoint. This option only appears if Emergency heat is configured in the Equipment menu. |
|  <p>Off</p> | Turn the system off. When the system is off, only the current temperature will be displayed on the Home screen. | | |


On Thermostat :


Select Main Menu > System, use the “ ^ ” and “ v ” to change the system mode of your thermostat between : Cool, Heat, Auto, Emergency Heat or Off.




Fan Setup

The Fan menu displays the current furnace fan setting. Depending on your system, one or more of the following options are shown:

 On
Force fan to run continuously, regardless of the scheduled programming.

 Auto
Enable fan when the system is actively heating or cooling your home, or to satisfy the Minimum Fan Runtime setting.

 Circulation
The Fan will turn on and off one a user programmed schedule (Circulation schedule can only be programmed from the App).

On Thermostat :

Select Main Menu > Fan, tap the “^” and “v” to change the fan mode of your thermostat between: On, Auto or Circulation.



Adjusting the Temperature :

You can override the scheduled temperature by tapping the “^” and “v” to change the blue number represents the cool setpoint; the red number represents the heat setpoint. When the thermostat is in Auto mode, you must first select either your heating or cooling setpoint depending on which setpoint you would like to modify.

NOTE : You can override the current program by tapping the Arrow to adjust the temperature. It will be temporary setting, meaning that the override expires when the next scheduled program begins.



Schedule :

Tap the “^” and “v”. to change the active schedule or select No schedule.

NOTE : There are only two default programs available for selection, please follow instructions on App to create new programs.



Wi-Fi Settings

Your Thermostat supports 2.4G Wi-Fi 802.11 b/g/n. Wi-Fi is normally configured during initial setup. You may, however, be required to reconfigure the settings if your Wi-Fi network settings change.

1. **Wi-Fi Connect**
Select Enabled to use Wi-Fi.
2. **Network**
Follow the instruction to connect the Wi-Fi with your phone.
On Thermostat:
Select Main Menu > Wi-Fi.



Advanced Setting:

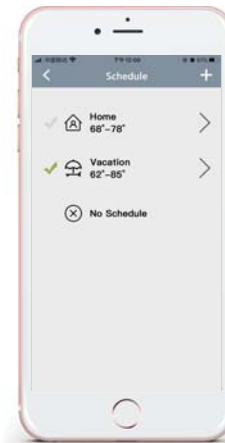
Terminal	Default	Max	Min	Description
Deadband	1° F	9° F	0.6° F	A temperature range between the current temperature and the heating setpoint, where heating or cooling is not engaged.
Fan Delay	40s	120s	30s	The time fan continues after mode turn off.
Min Run time	180s	300s	60s	The min. time system on after engaging.
Cycle time	180s	300s	60s	Waiting time between heating and cooling.
Runtime	/	/	/	View system runtime, Heating, Cooling, Air Filter.
Sensor Calibration	0° F	10° F	-10° F	Ability to adjust temperature readings to improve sensor accuracy as the thermostat nears the end of its lifecycle after years of use.

Main Screen



Programming your Schedule Adjusting Schedule

1. To add a new Schedule, click the plus (+) in the top right-hand corner, name your schedule and click OK.
2. To modify an existing Schedule, select a Schedule from the list it will change to programming screen.
3. If you want to delete an Existing Schedule, select the schedule and swipe left, select Delete.




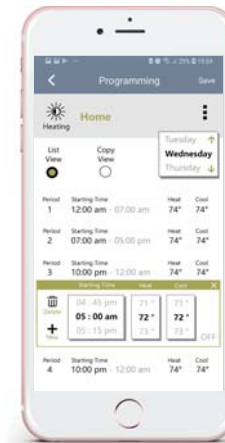
Setting a period

1. Touch the day of the week you want to adjust.
2. Select an existing period activity to edit.
3. You can also create a new activity by touching +.
4. Select Start time, Heat setpoint and Cool setpoint.
Swipe to select the new time value.
5. Touch Save

Note: You can only select time values that are at least 15 min after the previous activity to 15 min before the next scheduled activity

Delete an Existing Period

1. Tap the period you want to delete, click  to delete the period.



Copy a Schedule



To copy the entire schedule from one day to another day (for example, if all your week days follow the same schedule) :

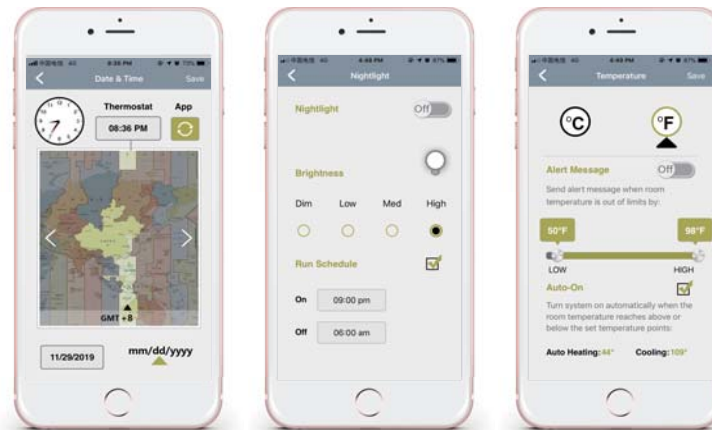
1. Click Copy View
2. Select the days that will use the copied schedule (you can select more than one).
3. Select Copy

Icon Reference

List View	View the program in List View.
Copy View	Copy the setpoints to other days of the week.
ON / OFF	Select desired temperature or system off for the period.
New	Inserts a new period before the current one.
Delete	Deletes the current period, merging the time with the next period.

Device Settings

Follow the on-screen instructions to view and modify the thermostat settings for Nightlight, Brightness and run schedule, date & time, temperature units, safety functions regarding your thermostat.



Advanced Features

VINE provide Smart Home Skill for integrating your TJ-225 with Alexa and Google Assistant voice controls. Please follow the below instruction to enjoy your smart home journey.

How to connect to Alexa?

1. Download the Vine Smart Control, create an account, and register your app to the TJ-225 thermostat.
2. Download the Amazon Alexa app and set up your Alexa-enabled device.
3. In the Amazon Alexa app, click on the Menu button in the top left corner.
4. Key step - link Skill
 - 1 Tap on "Skills" in the Alexa app menu.
 - 2 Then search for "Vine Control". Tap "Enable" to enable the Skill.
 - 3 Enter the Vine Control APP account and password, then tap "Link Now" to link your Vine Control account to enable the Skill.

Now you can begin your smart home journey.

5. Common commands

Now you can control your thermostat with Echo, the supported commands include:

Alexa, turn (Device Name) on.

Alexa, turn (Device Name) off.

Alexa, Change (Device Name) Mode to Cool/Heat/Auto.

Alexa, Increase (Device Name) by ___ degrees.

Alexa, Decrease (Device Name) by ___ degrees.

Alexa, Set (Device Name) to ___ degrees.

Alexa, what is the (Device Name) set to?

Alexa, what is the temperature of the (Device Name)?



How to connect to Google Assistant?

1. Download the Vine Control app, create an account, and register your app to the TJ-225 thermostat. You must have a registered Vine Control account to set up and use your thermostat with Google Assistant.
2. Download the Google Home app and set up your Google-enabled device.
3. In the Google Home app, click on the add button in the middle of the screen
4. Key step - link Action
 - ① On the main page of the Google Home app, tap the sidebar menu in the top left corner and select “Home Control”.
 - ② Then tap the plus sign in the lower right corner and search for “Vine Control”.
 - ③ Find Vine Control on the list and open it, select the country where your Vine Control app account is located, enter your app account and password, and tap “Link Now”.
 - ④ Enter the Vine Control app account and password, then tap “Link Now” to link your Vine Control account. Choose the room where your device is located, and then the skill will appear on the Home Control Devices list.

Now you can begin your smart home journey.

5. Control your smart device with Google Home

Now you can control your thermostat with Google Home, the supported commands include (Google Home currently only supports English commands) :

Hey Google, what' s the ___ temperature?

Hey Google, make it warmer (or cooler)

Ok Google, set the temperature to ___ degrees

Ok Google, raise (or lower) the temperature ___ degrees

“Ok Google, what is the current temperature in the Bedroom?”

“Hey Google, what' s the Living Room set to?”

“Ok Google, what' s the temperature of my thermostat?”

“Ok Google, turn on heat mode in the Bedroom”

“Hey Google, change to automatic mode in the Living Room”

“Ok Google, turn on cool mode in the Bedroom”



Limited Warranty	TJ-225 Smart Wi-Fi Thermostat with Nightlight
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Limited Warranty

THIS DOCUMENT CONSISTS OF IMPORTANT LIMITED WARRANTY INFORMATION REGARDING YOUR CLAIMS AND ACCOUNTABILITY, AS WELL AS RESTRICTIONS AND EXCLUSIONS THAT MAY APPLY TO YOU.

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VINE CONNECTED, Pleasanton, California USA, warrants to the owner of the enclosed product that the product contained in this box will be free from defects in materials and workmanship for a period of two years from the date of delivery following the original retail purchase. If the Product fails to conform to this Limited Warranty during the Warranty Period, VINE CONNECTED will, at its sole discretion, either (a) repair or replace any defective Product or component; or (b) accept the return of the Product and refund the money actually paid by the original purchaser for the Product. Repair or replacement may be made with a new or refurbished product or components, at VINE CONNECTED' s sole discretion. If the Product or a component incorporated within it is no longer available, VINE CONNECTED may, at its sole discretion, replace the Product with a similar product of similar function. This is your sole and exclusive remedy for breach of this Limited Warranty. Any Product that has either been repaired or replaced under this Limited Warranty will be covered by the terms of this Limited Warranty for the longer of (a) ninety days from the date of delivery of the repaired Product or replacement Product, or (b) the remaining Warranty Period. This Limited Warranty is transferable from the original purchaser to subsequent owners, but the Warranty Period will not be extended in duration or expanded in coverage for any such transfer.

2. TOTAL SATISFACTION RETURN POLICY

If you are the original purchaser of the Product and you are not satisfied with this Product for any reason, you may return it in its original condition within thirty days of the original purchase and receive a full refund.

3. WARRANTY TERMS;

HOW TO RECEIVE SERVICE IF YOU WANT TO CLAIM UNDER THIS LIMITED WARRANTY

Before making a claim under this Limited Warranty, the owner of the Product must (a) notify VINE CONNECTED of the intention to claim by visiting vineconnected.com/support during the Warranty Period and providing a description of the alleged failure, and (b) comply with VINE CONNECTED' return shipping instructions. VINE CONNECTED will have no warranty obligations with respect to a returned Product if it determines, in its reasonable discretion after examination of the returned Product, that the Product is an Ineligible Product (defined below). VINE CONNECTED will bear all costs of return shipping to owner and will reimburse any shipping costs incurred by the owner, except with respect to any Ineligible Product, for which owner will bear all shipping costs.

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7. LIMITATION OF LIABILITY

THE VINE CONNECTED ONLINE SERVICES ("SERVICES") PROVIDE YOU INFORMATION ("PRODUCT INFORMATION") REGARDING YOUR VINE PRODUCTS OR OTHER PERIPHERALS CONNECTED TO YOUR PRODUCTS ("PRODUCT PERIPHERALS"). THE TYPE OF PRODUCT PERIPHERALS THAT MAY BE CONNECTED TO YOUR PRODUCT MAY CHANGE FROM TIME TO TIME. WITHOUT LIMITING THE GENERALITY OF THE DISCLAIMERS ABOVE, ALL PRODUCT INFORMATION IS PROVIDED FOR YOUR CONVENIENCE, "AS IS", AND "AS AVAILABLE". VINE CONNECTED DOES NOT REPRESENT, WARRANT, OR GUARANTEE THAT PRODUCT INFORMATION WILL BE AVAILABLE, ACCURATE, OR RELIABLE OR THAT PRODUCT INFORMATION OR USE OF THE SERVICES OR PRODUCT WILL PROVIDE SAFETY IN YOUR HOME. YOU USE ALL PRODUCT INFORMATION, THE SERVICES, AND THE PRODUCT AT YOUR OWN DISCRETION AND RISK. YOU WILL BE SOLELY RESPONSIBLE FOR (AND VINE CONNECTED DISCLAIMS) ANY AND ALL LOSS, LIABILITY, OR DAMAGES, INCLUDING TO YOUR WIRING, FIXTURES, ELECTRICITY,

HOME, PRODUCT, PRODUCT PERIPHERALS, COMPUTER, MOBILE DEVICE, AND ALL OTHER ITEMS AND PETS IN YOUR HOME, RESULTING FROM YOUR USE OF THE PRODUCT INFORMATION, SERVICES, OR PRODUCT. PRODUCT INFORMATION PROVIDED BY THE SERVICES IS NOT INTENDED AS A SUBSTITUTE FOR DIRECT MEANS OF OBTAINING THE INFORMATION. FOR EXAMPLE, A NOTIFICATION PROVIDED THROUGH THE SERVICE IS NOT INTENDED AS A SUBSTITUTE FOR AUDIBLE AND VISIBLE INDICATIONS IN THE HOME AND ON THE PRODUCT, NOR FOR A THIRD-PARTY MONITORING SERVICE THAT MONITORS ALARM STATE.

8. YOUR RIGHTS AND THIS LIMITED WARRANTY

This Limited Warranty gives you specific legal rights. You may also have other legal rights that vary by state, province, or jurisdiction. Likewise, some of the limitations in this Limited Warranty may not apply in certain states, provinces or jurisdictions. The terms of this Limited Warranty will apply to the extent permitted by applicable law. For a full description of your legal rights you should refer to the laws applicable in your jurisdiction and you may wish to contact a relevant consumer advisory service. Please visit our website for the complete disclosure of this statement



www.vineconnected.com

IC Caution:

- English:

This device complies with Industry Canada licence-exempt RSS standard(s).

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.

- French:

Le présent appareil est conforme aux CNR d' Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

(1) l'appareil ne doit pas produire de brouillage, et

(2) l' utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

FCC WARNING

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

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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.

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum 20cm distance between the radiator your body: Use only the supplied antenna.