TJ-225

Smart Wi-Fi Thermostat with Nightlight

User Manual





Electronic manual and installation video

- 1. This user manual only includes installation and simple setup instructions. For the more detailed operating instructions and user guide, scan the QR code.
- 2. Watch installation video by scanning the QR code.







Electronic manual

Installation Video

WE ARE HERE TO HELP, 24/7!

WEBSITE: www.vineconnected.com **EMAIL:** support@vineconnected.com

HOTLINE: 1-800-264-3457(09:00am~05:00pm MON~FRI PST)

Vine App Setup

1. To download the "Vine Smart Control" app, scan the QR code or search "Vine Smart Control" in the Apple App Store or Google Play Store.

iOS/Android

App Download







2. Open the "Vine Smart Control" app. If you already have an account, tap Sign In. To create a new account, tap Sign Up.

Note: You must create your own Vine account to use third-party services and products. These will not work with a guest account. With a Vine account, you can also allow your family and friends to control your smart thermostat.

- 3. Tap + and select your smart thermostat.
- 4. Follow the in-app instructions to set up your smart thermostat.

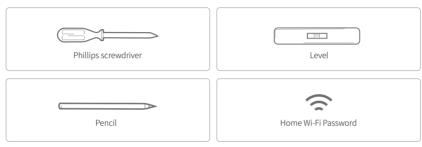
Note: You can change the name and icon at any time by going to the smart thermostat screen and tapping. You can use the Vine app to connect your smart thermostat to Amazon Alexa or Google Assistant.

Vine Thermostat - A Smart Choice for Smart Life!

- ✓ Vine Wi-Fi Thermostat
- Screw sets
- Flathead screwdriver
- Wire labels
- ✓ Jumper wire
- User Manual



You may also need these tools:



Compatibility Section

- ·Conventionnal (2H/2C)
- · Heat Pump (3H/2C) incl. 1-stage Auxiliary heat or Emergency Heat
- · Gas, Oil, Electric
- · Dual Fuel support

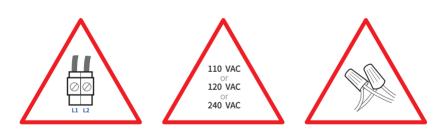
Require C-Wire to power the thermostat (24V-AC)

Note: If you're uncertain about your wiring, get Professional help or contact with 1-800-264-3457

Incompatible wiring and voltage

Please check the wall plate of your old thermostat to see if there's any indication as follows:

- 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 or call 1-800-264-3457

Create an account

When the app is ready, we need to move to next step to create an account, which is important for full functioning and remote access of the thermostat. Create the account with a valid email address and remember well the password as the thermostat will be linked to this email address once registered.



Installation

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.



Switch off power

IMPORTANT as this protects you from blowing a fuse in your equipment. To make sure the power is off, change the temperature with your current thermostat and wait for at least 5 minutes to be sure that the system is OFF.



Breaker Box



or

NA

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 old thermostat in this step.



Step 2

Step 4

Take a picture of the wiring

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

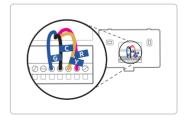


Step 5

Label the wires

Label the old wall plate wires with labels from our new thermostat box.

NOTE: If there's an Rc or Rh wire, attach the R lable to 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.

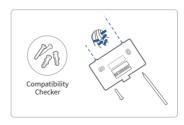
NOTE: Wrap the wires around a pen or pencil so they don't fall back into the hole in the wall.



Step 7

Mount the New Wall Plate

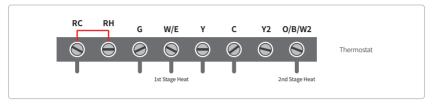
Use the screw set (screw & anchor) to mount the new wall plate. In most cases, the old mounting position can be used; if not, apply the new set. Be sure to check the alignment of the new wall plate before and after the wall plate installation.



Use the picture you took before as reference to wire, the following chart is a wiring diagram for common systems, please make sure that a C-wire exists in your old thermostat system.

Terminal	Conventional System	Heat Pump System
RC	Power for cooling, 24V	Power for cooling, 24V
RH	Power for heating, 24V	Power for heating, 24V
С	Common wire, 24V	Common wire, 24V
G	Fan	Fan
Υ	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

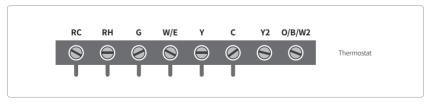
Single Stage Heat / Two Stage Heat- Furnace / Boiler with C-wire



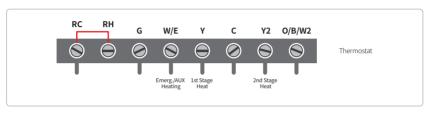
Combined Single Stage Heat and Single Cool Stage with C-wire

(Remove Pre-installed Jumper)

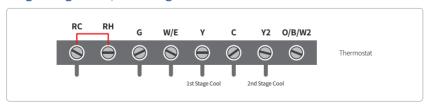
Cool Furnace and Air Conditioner



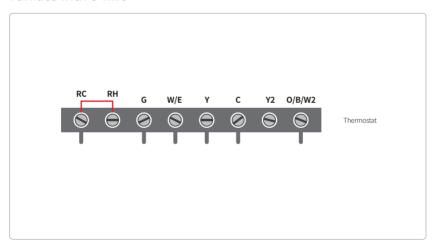
Single Stage / Two Stage Heat Pump with Emergency Heat and Auxiliary Heat with C-wire



Single Stage Cool / Two Stage Cool-Air conditioner



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

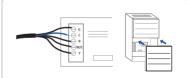


If C-wire does not exist in your system, check the instruction below:

Do you have a spare wire? Yes.

- 1. Check for the spare wire behind your wall plate or old thermostat, if there's one, connect it to the C-terminal of the new wall plate.
- Remove the cover of the furnace or heating system, open the cover of the heating/cooling system to find the control board where you should find the same terminal labels as of the thermostat.
- 3 . Find the other end of the spare wire, locate the bundle of wire with the same labels as that of your thermostat end.
- 4. Connect the spare wire to the C-terminal.
- 5. Close the cover of the furnace or heating system.



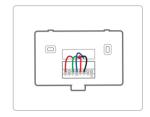


Step 8

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 wires are connected well, place excess part of the wires back to the wall.



Step 9

Install the thermostat to the wall plate

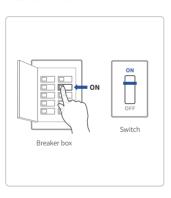
First aim the two clips in upper part of the thermostat to the top of the wall plate, then gently push and fit the wiring pole to the terminals on the wall plate.



Step 10

Power on and Enjoy

Turn on the switch that controls your heating and cooling system, the thermostat will be powered on and prompt you to start the setup. If you have any trouble installing the device or app, check the below information for help, or simply visit our websites for installation videos.



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TJ-225 Wi-Fi Thermostat with Nightlight

Initial Setup



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.

Equipment Type Select your home's heating equipment type from the options available:

Gas/Oil/Furnace, Electric, Heat Pump, Dual Fuel or no Heating. Select according to your heating system.



Below is a list of possible examples which may help you to select correctly:

NOTE: If you are unsure of which option to select, contact 1-800-264-3457

If you have a furnace or boiler:

- 1. Select Gas/Oil/Furnace.
- 2. Touch OK button to continue.
- 3. Tap "Next" at the bottom of the screen to continue.



If you have a heat pump:

- 1. Select Heat Pump and touch OK to next step.
- 2. Specify what the heat Pump runs when the O/B Reversing Valve is engaged: On Cool runs cooling when O/B engages, Or On Heat runs he runs heating when O/B engages.
- 3. Tap OK to continue.



If you have a Dual fuel system:

- 1. Select Dual Fuel and tap OK.
- 2. Then follow the on-screen instructions to configure the fossil fuel heating appliance settings,
- 3. Click Next at the button of the screen to continue to configure the heat pump heating appliance settings.





2 Date & Time

ON DEVICE: Follow the screen instruction to set date and time of thermostat; once the device is registered or linked to a user account, the date and time on the device will be updated automatically to the current time with the user account.



3 Schedule

Select the schedule you would like to run in your thermostat. Only 2 schedules (Home & Vacation) will be available during offline operation. However, there are 4 schedules when a Wi-Fi connection is established.



Wi-Fi Setup

A reliable Wi-Fi connection is required in order to access smart features such as remote access, weather forecast and more. Please follow on-screen instructions to complete the Wi-Fi setup.

ADD DEVICE

a. After signing into your account, click the plus(+)in the top right-hand corner to add new device, click the device you like to add, if your thermostat model is TJ-225, please tap TJ-225 button to add it. if it is TJ-225B please tap TJ-225B button.



- b. Return to your thermostat to select the "Set by your phone" to start Wi-Fi setup.
- c. Return to your app, and follow the on-screen instructions to connect the TJ-225 Thermostat to your Home's Wi-Fi network, tap "Connected to Wi-Fi" to go on.Then enter your home Wi-Fi password.







NOTE: If you skip this step, you will be required to have the Wi-Fi connection by steps: Menu->Wi-Fi>Connected ->Set by Phone and follow the instruction on screen to finish the Wi-Fi connection step.



Add Device to your Account

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



The Temporary Verification Code (TVC) is a 4-digit code randomly generated each time you enter this screen, it expires after 180 seconds (3 minutes). Tap the Temporary Verification Code to generate a new one if it expires.

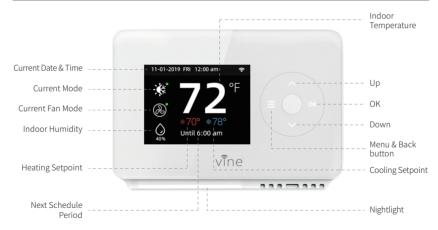
Tap the Temporary Verification Code to generate a new one if the previous code expires.



User Manual

How to use your TJ-225 Thermostat

Main Screen



Mode Setup

The HVAC system settings depends on the type of system you use, common options are shown below:



Turn on cooling when the current temperature rises above the setpoint.



Turn on cooling when the current temperature drops below the setpoint.



Activate the heating or cooling system as required to keep your home within the configured range of setpoint.



Use only 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.



Turn the system off. When the system is off, only the current temperature will be displayed on the Home screen.

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

Emergency Heat (Em Heat) mode is only available if you have selected Heat Pump as your Heat Type and enabled the Emergency Heat function in the setup menu.



Fan Setup

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



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



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



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 " \land " and " \checkmark " 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 "\" 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 "\". 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 be required to reconfigure the settings if your Wi-Fi network settings change.

1. Wi-Fi Connect

Use the up and down arrow to Connect, Reconnect or Disconnect from your home's Wi-Fi Network.

2. Connect

Follow the instruction to connect the Wi-Fi with your phone.
On Thermostat:
Select Main Menu > Wi-Fi > Connect
Connectnect



Advanced Setting:

To access the Equipment Setup, click on a setting and use the scroll wheel to modify the default value by following steps: Menu- Setting- Advanced setting.

Terminal	Default	Max	Min	Description
Deadband	1°F	2° F	0.5° F	A temperature range between the current temperature and the heating setpoint, where heating or cooling is not engaged.
Fan Delay	60s	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.

User Manual

How to use App to control your TJ-225 Wi-Fi Thermstat

Main Screen



Programming your Schedule Adjusting Schedule

- To add a new Schedule, click the plus (+)
 in the top right-hand corner, name your
 schedule and click OK.
- To modify an existing Schedule, select a Schedule from the list it will change to programming screen.
- 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 $\ensuremath{\overline{\mathbf{w}}}$ to delete the period.



Copy a Schedule



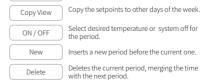
To copy the entire schedule from one day to another day (for example, if all your week days follow the same schedule):

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

List View

3. Select Copy

Icon Reference



View the program in List View.

Advanced Features

Except from the afore-mentioned basic settings, Vine Smart Wi-Fi Thermostat also provide possibility to connect to the Alexa and Google Assistant, hence control your room temperature through a simple voice comes true. Follow our instructions below to get connected with Alexa/Google.

How to connect to Alexa?

- 1 . Download and register the thermostat as instructed in page 1 $^{\sim}$ 39.
- 2. Download Amazon Alexa app and set up your Alexa-enabled device.
- 3. Tap "Menu" button on the upper left corner of Alexa app main screen.
- 4. IMPORTANT step link Skill.
 - 1 Tap "Skills" in Alexa app menu.
 - 2 Type and search "Vine Control", then choose and tap "enable" to enable the skill.
 - 3 Enter ... Control account to Alexa Skill.

Now you can control your thermostat over Amazon Alexa.



5. Common commands

Common commands for Alexa to control Vine Thermostat:

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 and register the thermostat as instructed in page 1 \sim 39.
- ${\bf 2}$. Download Google Home app and set up your Google-enabled device.
- 3. Tap "+" button in the middle of the Google Home app screen.
- 4. IMPORTANT step link Action.

- Tap the sidebar menu on the upper left corner of the main page of Google Home, select "Home Control".
- 2 Tap the "+" button on the lower right corner and search for "Vine Control"
- Top open "Vine Control" and select country, then enter app account/password and tap "Link Now" to link your Vine account to Google.
- 4 Enter ... Control account to Alexa Skill.

Now you can control your thermostat over Google Home.

Control your smart device with Google Home
 Common commands for Google Home to control Vine Thermostat:

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"

NOTE: Google Home currently supports only English Commands.



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3. WARRANTY TERMS;

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