



Smart, yet Simple!

Smart Wi-Fi Thermostat Catalog

Company Profile

GVS Since 1999

Established in 1999, GVS is a high-tech company which has its own professional team for product R&D, manufacturing and sales activities. The company has been devoting itself into smart building technologies since its establishment and providing its clients with product and solution of Smart Building, Smart Security and Smart Healthcare. With its highlighted capability in display and building technology, the company has long been in the first rankings of suppliers for KNX Building Control System, IP/2-Wire Video Intercom System and Smart Wi-Fi Thermostat products. As the FIRST native BOARD MEMBER of KNX CHINA and first-ranking video intercom supplier, GVS will never cease to renovate and will continuously contribute to smart building technologies in the coming decades...

GVS - A company with history



In 1999

GVS was established.



In 2008

GVS became the first Chinese KNX member in China.



In 2011

First KNX Training Center in China was established by GVS.



In 2013

Initiator and Chairman of the drafting team for IEEE1888.4 Green Home & Building Automation.



In 2015

GVS became the FIRST native council member of KNX China.



Vine Since 2015

Vine is the U.S. owned by Vine Connected Corp (a subsidiary of GVS), a California-based technology company that is focused on smart smart home products. The core business of Vine is that of heating and cooling homes and buildings, with particular focus on the daily air environment you live in. All Vine thermostats are manufactured with top quality components from world class suppliers and supported by the latest IoT cloud technology, which doubtlessly brings you extraordinary user-experience.

As of the pivotal role our products play in your home, Vine Connected is committed to creating and maintaining powerful customer relationships with our 24/7/365 service and support platform.

Please join our social media networks, come and be part of our Smart, yet Simple family.



In 2017	In 2018	In 2019	In 2021	In 2022
<p>GVS became a public company by entering NEEQ (the New OTC).</p> 	<p>GVS became the first native company who chaired KNX CHINA.</p> 	<p>GVS entered the smart thermostat market by acquiring Vine Connected Corp.</p> 	<p>GVS survived & thrived with 30% annual net growth in 2020 & 2021 despite COVID-19.</p> 	<p>FIVE-YEAR-PLAN for BSE launched with brand new GVS VI and vision.</p> 

Smart Home Compatible

Vine interacts with your smart home through Amazon Alexa, Google Assistant.



Alexa, Set thermostat to 78 degrees.



Sure setting the thermostat to 78 drgrees.



Alexa,Change thermostat mode to Cool.



Sure,Change thermostat mode to Cool.





iPhone



WORKS WITH amazon alexa



Android



works with the Google Assistant



Hey Google, what' s the thermostat set to?

Heating is set to 70.



Control from anywhere

Connect Vine thermostat to Wi-Fi and you can control it from your mobile, tablet or laptop.

- ✓ Mobile app for smartphones based on iOS and Android operating systems
- ✓ Setting the operating mode (Auto, Heat, Cool) Fan Control(On, Auto, Circulation)
- ✓ Presence detection via geo-fencing for energy-efficient operation
- ✓ Energy Report, Know more, save more.
- ✓ Support nightlight brightness setting from APP (in limited versions)
- ✓ Individual schedule for each day of the week can be programmed via mobile app (max. 8 periods per day)
- ✓ User account management
- ✓ Monitoring of actual and historical temperature
- ✓ Smart Alert
- ✓ Amazon Alexa Compatible
- ✓ Google Home Compatible



Vine thermostat
App



Vine Smart Control
App



Smart Life App



Programmable Smart Wi-Fi Thermostat TJ-550



PRODUCT SPECIFICATION

Dimension	90 H x 90 W x 25 D (mm)
Color	White
Material	Flame-resistant ABS+PC
Screen	2.8" TFT- LCD 240x320 pixels
Touch Panel	Capacitance Key, >20000 touches
Power Source	24V-AC (20V~30V AC)
Temperature Setting Range	45°~99°F (7°~37°C)
Sensitivity	±1°F (±0.5°C)
Sensor	Temperature & Humidity
Operating Temp	14~122°F (-10~50°C)
Operating Humidity	0%~95%
Wi-Fi Connected Range	≤50 Meters in Open Area
Language	English

COMPATIBILITY

- ✓ Conventional (2H/2C)-Gas, Oil, Electric, Boiler
- ✓ Heat Pump (2 stages Heat/Cool + 2 stages Aux/Emerg.)
- ✓ Heat or Cool only Systems (3-Wires)

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



Comfort

Designed for your comfort, the Vine Smart Thermostat consists of a colored 2.8" HD LCD and elegant touch keys, which makes your life smart and comfortable.



Saving

By using our Vine Smart Thermostat, an average 23% budget will be saved from your energy bill. Start a green life and save money with Vine now.



Smart Home Compatible

Vine interacts with your smart home through Amazon Alexa, Google Assistant.



Control

Multiple control ways are possible by our Vine Smart Thermostat, define your room temperature from the touch-key, mobile Apps and tablet apps.



Satisfaction

Explore our site for an extensive library of videos, manuals, diagrams, Q&A, or simply drop us a line to get to know more about us. We have also experienced technicians who will help you locally.

tuya

Tuya APP Remote Control.

Programmable Smart Wi-Fi Thermostat TJ-560



PRODUCT SPECIFICATION

Dimension	90 H x 90 W x 25 D (mm)
Color	White
Material	Flame-resistant ABS+PC
Screen	4.0" TFT- LCD 480x480 pixels
Touch Panel	TP Capacitance>20000 touches
Power Source	24V-AC (20V~30V AC)
Temperature Setting Range	45°~99°F (7°~37°C)
Sensitivity	±1°F (±0.5°C)
Sensor	Temperature & Humidity
Operating Temp	14~122°F (-10~50°C)
Operating Humidity	0%~95%
Wi-Fi Connected Range	≤50 Meters in Open Area
Language	English

COMPATIBILITY

- ✓ Conventional (2H/2C)-Gas, Oil, Electric, Boiler
- ✓ Heat Pump (2 stages Heat/Cool + 2 stages Aux/Emerg.)
- ✓ Heat or Cool only Systems

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



w/o coverplate

w/ coverplate



Touch Control

4.0"IPS LCD touch panel for amazing user experience.



Multiple Ways to Control

Vine helps to control your HVAC from not only the thermostat itself but also from mobile/tablet apps, voice assistant.



Energy-saving

With features such as "geographic fencing function", "7-day rational programming" and "Energy Report" etc., Vine saves up to 20% your HVAC bill.



Smart Home Compatible

Vine interacts with your smart home through Amazon Alexa, Google Assistant.



7-Day Scheduling

Make it simple by creating you week schedule with Vine.



Smart, yet Simple

DIY for installation within 30 minutes to make your life smart.



Tuya APP Remote Control.

Programmable Smart Wi-Fi Thermostat TJ-225B



PRODUCT SPECIFICATION

Dimension	85 H x 123 W x 26 D (mm)
Color	White
Material	Flame-resistant ABS+PC
Screen	2.8" TFT- LCD 240x320 pixels
Touch Panel	Capacitance Key, >20000 touches
Nightlight	Programmable White LED (3200K~3500K)
Power Source	24V-AC (20V~30V AC), 5V-DC
Temperature Setting Range	45°~99°F (7°~37°C)
Sensitivity	±1°F (±0.5°C)
Sensor	Temperature
Operating Temp.	14~122°F (-10~50°C)
Operating Humidity	Humidity: 0%~95%
Wi-Fi Connected Range	≤50 Meters in Open Area
Language	English

COMPATIBILITY

- ✓ Conventional (2H/2C)-Gas, Oil, Electric, Boiler
- ✓ Heat Pump (2 stages Heat/Cool + 1 stage Aux./Emerg.)
- ✓ Heat or Cool only Systems (3-Wires)

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



Easy installation, quick setting and easy operation

Most customers can finish the installation within 30 minutes and be familiar with the operation within 20 minutes, and it's easy-maintain cause there is no battery require, so no need to change the battery by month.



Modern and tradition integrated style with high-level strong harmless materials

Such as comfortable touch button, elegant programmable LED night lights and harmless materials. All these features provide you a long time enjoyment.



Remote control from various types equipment

Vine light App with User-Friendly interface provide comfortable service. And also it's compatible with Alexa and other smart devices.



Comfortable touch button, elegant programmable LED night lights and harmless materials. All these features provide you a long time enjoyment.

You can trust it all the time, even there is high-level signal interference, it will function without disconnection, and also there is a Wi-Fi auto connection function, that means no need to worry about the Wi-Fi connection.



Compatible with most homes in N.America

Works with most HVAC equipment, such as 24-VAC system (common for US and Canada), compatibility chart (24V-AC system) standard 2-Heat 2-Cool system, heat pump system(W/E--Emerg. Heat or Aux. Heat), heat or cool only system.



Energy efficiency helps you save money and protect the earth

Consistent money-saving for your family. Vine thermostat helps you save over 20% cost on HVAC expense (Data get from the Vine Cloud) through energy-efficiency mode ,7-day rational programming, remote access and so on.

Programmable Smart Wi-Fi Thermostat TJ-610E



PRODUCT SPECIFICATION

Dimension	98Hx110Wx23D(mm)
Color	White
Material	Flame-resistant ABS+PC
Screen	3.5" TFT- LCD 320x480 pixels
Touch Panel	TP Capacitance TP> 20,000 touches
Nightlight	Programmable White LED (3200K~3500K)
Power Source	24V-AC (20V~30V AC), 5V-DC
Temperature Setting Range	45°~99°F (7°~37°C)
Sensitivity	±1°F (±0.5°C)
Sensor	Temperature & Humidity
Operating Temp.	14~122°F (-10~50°C)
Operating Humidity	Humidity: 0%~95%
Wi-Fi Connected Range	≤50 Meters in Open Area
Language	English

COMPATIBILITY

- ✓ Conventional (2H/2C)-Gas, Oil, Electric, Boiler
- ✓ Heat Pump (2 stages Heat/Cool + 1 stage Aux./Emerg.)
- ✓ Heat or Cool only Systems (3-Wires)

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



World Class Technologies

Bright color 3.5" Touch Screen
Adjustable Screen Brightness
Serves as a Hub to other IoT
Backup Settings to the Cloud
Classic Dial Adjustment



Multiple Detailed Design

Wi-Fi Auto Reconnect
Auto Date/Time Setting
International Date Format
Data Encryption Security
Activity Tracking and Reporting



Multiple Platform Control

Android and iOS App
Phone and tablet
Website control after registration
touchable screen control
slide button control



Multiple-function design

Programmable and 4 Levels of
Nightlight Brightness
Physical and Cloud Thermostat Lock
Auto and Manual Updates
Interactive Alerts and Messages
No Batteries Required

Programmable Smart Wi-Fi Thermostat TJ-919E



PRODUCT SPECIFICATION

Dimension	85 H x 123 W x 26 D (mm)
Color	White
Material	Flame-resistant ABS+AC
Screen	4.3" TFT- LCD 800x480 pixels
Touch Panel	TP Capacitance TP> 20,000 touches
Nightlight	Programmable White LED (3200K~3500K)
Power Source	24V-AC (20V~30V AC), 5V-DC
Temperature Setting Range	45°~99°F (7°~37°C)
Sensitivity	±1°F (±0.5°C)
Sensor	Temperature & Humidity
Operating Temp.	14~122°F (-10~50°C)
Operating Humidity	0%~95% non-condensing max.
Wi-Fi Connected Range	≤50 Meters in Open Area
Language	English

COMPATIBILITY

- ✓ Conventional (2H/2C)-Gas, Oil, Electric, Boiler
- ✓ Heat Pump (2 stages Heat/Cool + 1 stage Aux./Emerg.)
- ✓ Heat or Cool only Systems (3-Wires)

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



Comfort

Designed for your comfort, the Vine Smart Thermostat features a brightcolor 4.3" LCD touch screen, programmable nightlight, and easy to navigate menu. Each day of the week offers different setpoints, ensuring optimal comfort around your daily schedule.



Saving

Reduce your energy consumption, save money, and enjoy the perfect room temperature at all times with help from intelligent skills, average consumers save approximately 23% annually of their energy bill.



Control

The Vine Smart Wi-Fi thermostat gives you easily control temperature and settings. Whether you are using the touch-screen display, or the convenience of smart phone, tablet, computer, the Vine gives you full control, whenever and wherever you are.



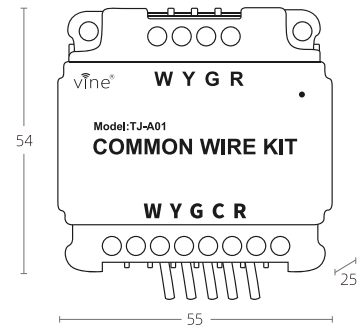
Satisfaction

Visit our website to explore an extensive library of videos, manuals, illustrated wiring diagrams, Q&A and documentation, or chat with us live online. We are also building a network of experienced technicians who can offer you that special help when needed.

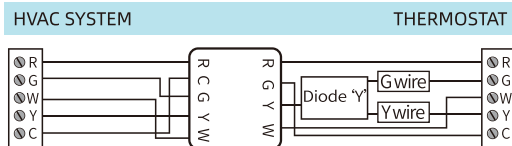
Thermostat Common Wire Kit TJ-A01



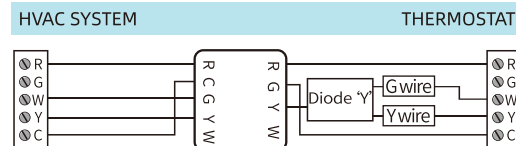
Most thermostats have enhanced features such as Wi-Fi and LED color screen that requires extra power supply, the thermostats normally gets this power from a common wire "c-wire", while if you do not have a c-wire at your thermostat or in your furnace, a common wire kit will allow you to reconfigure your existing wires instead of setting up a new wire throughout your home.



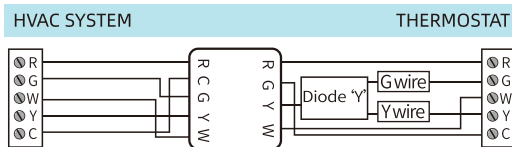
Typical C-wire Connection Diagram



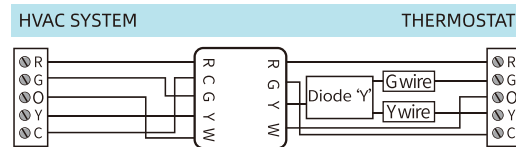
4 existing wires with Common Wire Kit to accommodate thermostat that requires 5 wires.



3 existing wires with Common Wire Kit to accommodate thermostat has heating and cooling, not fan control.



3 existing wires with Common Wire Kit to add cooling to a system that already has heating.



4 existing wires with Common Wire Kit to accommodate a single stage heat pump.

- ✓ Easy installation process - refer to our videos and installation guide for step-by-step instructions.
- ✓ Great for installations with a broken "common" wire or retrofits.
- ✓ Convenient as no extra new wiring needed.
- ✓ Allows 5-wire thermostats to use only 4 wires or work as 6-wire one.
- ✓ DOES NOT work with 2-wire system.

Compatible HVAC System:

Vine Thermostat works with most 24V systems including gas, electric, oil, air conditioner, heat pump, and dual fuel. If you're not sure about the compatibility, check your HVAC system on below points:






- ✓ You have 2 to 9 (or more) wires.
- ✓ Those wires are low gauge (rather thin compared to other electrical wiring).
- ✓ Your wires are multicolored (red, white, green, orange, blue, black).
- ✓ You have a furnace somewhere in your house - basement, garage, bathroom, etc.
- ✓ You have central air conditioning, boiler, heat pump.
- ✓ You have heating vents on the floors along the perimeters of your rooms.
- ✓ Your thermostat settings affect multiple rooms (ie: you don't have a thermostat in every room of your house).

Go ahead replace your thermostat with a smart one if your current HVAC system falls into any above situation.



Typical Compatible HVAC System

Product Selection Table

Thermostat					
Mode	TJ-550	TJ-560	TJ-225B	TJ-610E	TJ-919E
Display size	2.8"	4.0"	2.8"	3.5"	4.3"
Touch screen	/	√	/	√	√
Color display	√	√	√	√	√
Dimensions WxHxD(mm)	90*90*25	90*90*25	123*85*26	110*98*23	123*85*26
Power Source	24V-AC (20V~30V AC) 12V-36V DC	24V-AC (20V~30V AC) 12V-36V DC	24V-AC (20V~30V AC) 12V-36V DC/USB 5V	24V-AC (20V~30V AC) 12V-36V DC/USB 5V	24V-AC (20V~30V AC) 12V-36V DC/USB 5V
Wi-Fi Connectivity	2.4GHz	2.4GHz	2.4GHz	2.4GHz	2.4GHz
Nightlight	/	/	√	√	√
Keyboard Lockout	√	√	√	√	√
Compatible with Alexa&Google Assitant	√	√	√	√	√
Require a C wire	√	√	√	√	√
Sensitivity	±1°F (±0.5°C)	±1°F (±0.5°C)	±1°F (±0.5°C)	±1°F (±0.5°C)	±1°F (±0.5°C)
Operating Temp	14~122°F (-10~50°C)	14~122°F (-10~50°C)	14~122°F (-10~50°C)	14~122°F (-10~50°C)	14~122°F (-10~50°C)
Stages	2	2	2	2	2
Dual fuel	√	√	√	√	√

V1.0

www.vineconnected.com 

☎ : 1-800264-3457 (09:00am~05:00pm PST Monica~Fri)
✉ : info@vineconnected.com

Vine Connected Corp.

📍 : 2596 Nicholson St., San Leandro, CA 94577, USA

Parent Company: Guangzhou Video-Star Intelligent Corp., Ltd

📍 : F3 / Building #5, No. 9, 4th Lanyu St, Huangpu District, Guangzhou, 510730, P.R. China

☎ : +86 20 82088388
✉ : info@gvssmart.com