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vine TJ-919E

Vine Wi-Fi Smart Home Thermostat TJ-919E User Manual

Model: TJ-919E | Brand: Vine

1. Introduction

The Vine Wi-Fi Smart Home Thermostat TJ-919E is a programmable thermostat designed to provide efficient and convenient control over your home's heating and cooling system. Featuring Wi-Fi connectivity, it allows for remote management via a smartphone application and integrates with popular smart home platforms like Amazon Alexa and Google Assistant. This manual provides detailed instructions for installation, operation, and maintenance to ensure optimal performance and user experience.

2. Key Features

- **Remote Control:** Manage your thermostat from anywhere using the Vine Smart App on your phone or laptop.
- **Smart Home Compatibility:** Seamlessly integrates with Amazon Alexa and Google Assistant for voice control.
- **Personalized Settings:** Customize temperature modes and time periods to match your daily schedule and preferences.
- **Easy Installation:** Designed for straightforward installation, often completed within 30 minutes.
- **High-Quality Materials:** Constructed from durable materials with a stylish appearance, compatible with various HVAC systems.
- **Touchscreen Display:** Features a 2.8-inch LCD touchscreen for direct control and programming.

3. Package Contents

Upon opening the package, please verify that all components are present:

- Vine Wi-Fi Smart Home Thermostat TJ-919E Unit
- Base Plate
- Mounting Screws
- Optional Trim Plate (if included)
- User Manual (this document)

4. System Compatibility

The Vine TJ-919E thermostat is compatible with most 24V AC conventional and heat pump systems. A C-wire (common wire) is generally required for proper operation to provide continuous power to the Wi-Fi module and touchscreen. Please consult the compatibility chart below to determine if your HVAC system is supported.

Vine COMPATIBILITY CHART (System Type)	INCOMPATIBILITY (System Type)
Conventional（require a C wire） - Gas/Oil/Propane Furnace - Air Conditioner - Electric Furnace - Boiler/Radiant	**Whole Home with** - Humidifiers / Dehumidifiers
Heat Only（require a C wire） - Gas/Oil/Propane Furnace - Electric Furnace - Boiler/Radiant	Communicating/Proprietary System
Cool Only（require a C wire） - Air Conditioner	Line Voltage / two wire system
Heat Pump with Auxiliary & Emergency Heat（require a C wire）	Millivolt
Heat Pump with Auxiliary & Emergency Heat（require a C wire）	Remote Sensor

Image 4.1: Compatibility chart detailing supported HVAC system types and C-wire requirements.

Compatible Systems (C-wire required):

- Conventional Systems (Gas/Oil/Propane Furnace, Air Conditioner, Electric Furnace, Boiler/Radiant)
- Heat Only Systems (Gas/Oil/Propane Furnace, Electric Furnace, Boiler/Radiant)
- Cool Only Systems (Air Conditioner)
- Heat Pump with Auxiliary & Emergency Heat

Incompatible Systems:

- Whole Home with Humidifiers/Dehumidifiers
- Communicating/Proprietary Systems
- Line Voltage / Two-wire Systems

- Millivolt Systems
- Remote Sensor Systems

5. Installation

Installation of the Vine TJ-919E thermostat is designed to be user-friendly. If you are unsure about any steps, it is recommended to consult a qualified HVAC technician.

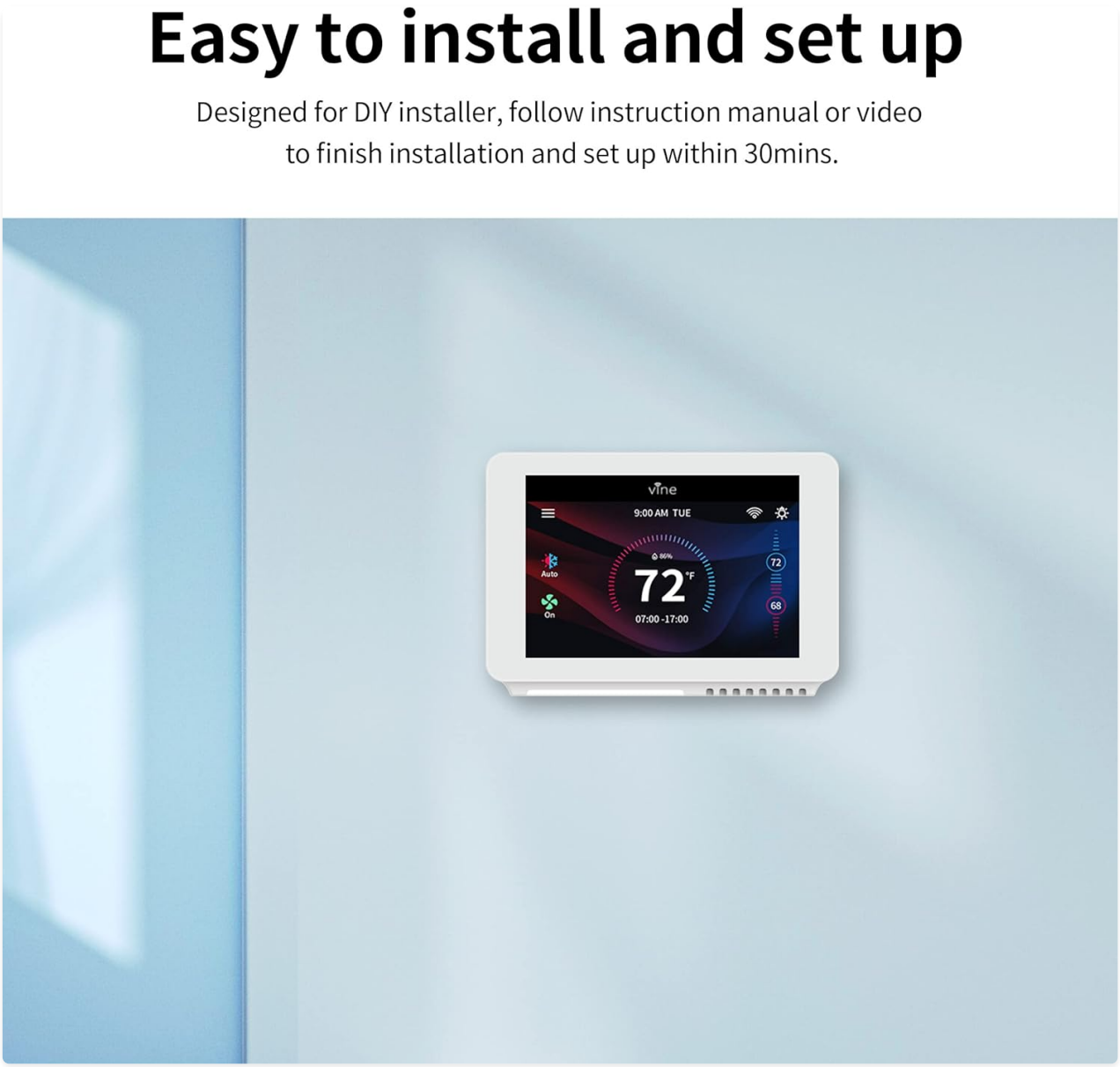


Image 5.1: The Vine thermostat mounted on a wall, illustrating its sleek design and ease of installation.

Installation Steps:

1. **Power Off:** Before beginning, turn off the power to your heating and cooling system at the circuit breaker.
2. **Remove Old Thermostat:** Carefully remove your old thermostat's cover and disconnect the wires. Note the wire labels (R, C, Y, W, G, etc.) and take a picture for reference.
3. **Mount Base Plate:** Use the provided mounting screws to secure the Vine thermostat's base plate to the wall. Ensure it is level.
4. **Wire Connection:** Connect the wires from your HVAC system to the corresponding terminals on the Vine base plate. Pay close attention to the C-wire connection, as it is crucial for continuous power.
5. **Mount Thermostat:** Gently push the Vine thermostat unit onto the base plate until it clicks securely into place.
6. **Power On:** Restore power to your HVAC system at the circuit breaker.

6. Initial Setup & Wi-Fi Connection

After installation and powering on, the thermostat will guide you through the initial setup process on its touchscreen display.

Image 6.1: The Vine thermostat alongside a smartphone running the Vine app, demonstrating remote control capabilities.

Wi-Fi Connection Steps:

1. **Download the Vine App:** Search for "Vine Smart" or "Tuya Smart" in your smartphone's app store (available for iOS and Android).
2. **Create Account:** Open the app and follow the prompts to create a new user account.
3. **Add Device:** In the app, select to add a new device. Follow the on-screen instructions to put your thermostat into pairing mode (usually indicated by a blinking Wi-Fi icon).
4. **Connect to Wi-Fi:** Select your home Wi-Fi network (2.4GHz only) and enter the password. The app will then connect your thermostat to the network.
5. **Complete Setup:** Once connected, you can name your thermostat and complete any remaining setup steps within the app.

7. Basic Operation

The Vine TJ-919E features an intuitive touchscreen interface for direct control.

Image 7.1: The main display of the Vine thermostat, showing current temperature, set points, and operational status.

Image 7.2: The thermostat in a home setting, emphasizing its ease of use and integration into daily life.

Adjusting Temperature:

On the main screen, touch the up or down arrows to increase or decrease the desired temperature set point.

Changing Modes:

Tap the 'Mode' icon (often represented by a snowflake for cool or flame for heat) to cycle through available modes: Heat, Cool, Auto, and Off. In 'Auto' mode, the thermostat will automatically switch between heating and cooling to maintain your set temperature range.

Fan Control:

Tap the 'Fan' icon to select fan operation: Auto (fan runs only when heating/cooling) or On (fan runs continuously).

8. Programming Schedules

The Vine TJ-919E supports 7-day programming with up to 8 periods per day, allowing for detailed customization of your heating and cooling schedule.

Setting Schedules:

Schedules can be set directly on the thermostat's touchscreen or more conveniently through the Vine Smart App. Refer to the app's interface for detailed instructions on creating and modifying schedules, including setting specific temperatures for different times of day and days of the week.

9. Smart Home Integration

Enhance your control and convenience by integrating your Vine thermostat with smart home ecosystems.

Image 9.1: Visual representation of the Vine thermostat's compatibility with Amazon Alexa, Google Assistant, and the Tuya App.

Image 9.2: A smartphone screen showing the Vine app interface, demonstrating the ability to control the thermostat remotely.

Amazon Alexa & Google Assistant:

To enable voice control, link your Vine Smart account within the Alexa or Google Home app. Once linked, you can use voice commands such as "Alexa, set the thermostat to 72 degrees" or "Hey Google, turn on the heat."

Vine Smart App Remote Control:

The Vine Smart App allows you to adjust settings, view current temperatures, and manage schedules from anywhere with an internet connection. This includes changing modes, fan settings, and monitoring energy usage.

10. Maintenance

Regular maintenance helps ensure the longevity and optimal performance of your thermostat.

- **Cleaning:** Gently wipe the touchscreen and exterior with a soft, damp cloth. Avoid abrasive cleaners or solvents.
- **Power Source:** The thermostat is primarily powered by your HVAC system via the C-wire (24V AC). If the unit experiences power interruptions, ensure the C-wire connection is secure and your HVAC system's power is stable.
- **Software Updates:** Keep the Vine Smart App updated to the latest version to access new features and performance improvements. The thermostat's firmware may also receive updates automatically via Wi-Fi.

11. Troubleshooting

If you encounter issues with your Vine TJ-919E thermostat, refer to the following common solutions:

- **No Power/Blank Screen:** Ensure the power to your HVAC system is on at the circuit breaker. Verify the C-wire connection at both the thermostat and the furnace/air handler.
- **Wi-Fi Disconnection:** Check your home Wi-Fi router to ensure it is functioning correctly. Confirm the thermostat is within range of your 2.4GHz Wi-Fi network. Try restarting your router and then re-pairing the thermostat via the Vine Smart App.
- **Incorrect Temperature Readings:** Ensure the thermostat is not exposed to direct sunlight, drafts, or heat sources that could affect its internal sensor.
- **HVAC System Not Responding:** Verify that the thermostat is set to the correct mode (Heat/Cool) and that the temperature set point is appropriate. Check wiring connections.
- **App Connectivity Issues:** Ensure your smartphone has an active internet connection. Log out and back into the Vine Smart App, or reinstall the app if problems persist.

For further assistance, consult the support section within the Vine Smart App or visit the manufacturer's website.

12. Specifications

Feature	Specification
Brand	Vine
Model Name	TJ-919E
Product Dimensions	3.34"D x 4.85"W x 1"H
Controller Type	Amazon Alexa, Android, Google Assistant, iOS
Special Feature	Fan Control, Low Voltage, Programmable
Color	White
Specific Uses For Product	Air Conditioner, Furnace, Heat Pump
Temperature Control Type	Heating, Cooling
Connectivity Technology	Wi-Fi
Included Components	Base plate, mounting screws, and possibly a trim plate
Power Source	24 Volts (AC)
Item Weight	10.4 ounces (0.65 Pounds)
Material	Plastic
Display Type	LCD
Screen Size	2.8 Inches
Control Method	App, Remote, Touch
Mounting Type	Wall Mount
Backlight	Yes
UPC	789605977954

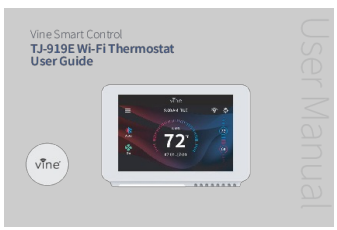
13. Warranty and Support

For warranty information and technical support, please refer to the Vine Smart App's support section or visit the official Vine website. Keep your purchase receipt as proof of purchase for any warranty claims.

Related Documents - TJ-919E

	TJ-560 Wi-Fi Thermostat User Manual - Smart Home Control Comprehensive user manual for the Vine TJ-560 Wi-Fi Thermostat. Learn about installation, setup, app integration with Alexa and Google Assistant, and troubleshooting for your smart home.
	TJ-550 Wi-Fi Thermostat User Manual User manual for the TJ-550 Wi-Fi Thermostat, detailing installation, setup, features, and warranty information. Learn how to connect to Wi-Fi, use the Vine app, and integrate with voice assistants like Alexa and Google Assistant.
	Vine TJ-550 Wi-Fi Thermostat User Manual and Installation Guide This user manual provides comprehensive instructions for installing, setting up, and using the Vine TJ-550 Wi-Fi Thermostat. Learn about its features, compatibility, app integration, and voice assistant connectivity.
	Vine TJ-919T Smart Wi-Fi Programmable Thermostat User Manual User manual for the Vine TJ-919T Smart Wi-Fi Programmable Thermostat. Includes installation guides, app setup, compatibility information, advanced features, and warranty details for optimal home comfort and energy efficiency.
	Vine TJ-225 Smart Wi-Fi Thermostat User Manual User manual for the Vine TJ-225 Smart Wi-Fi Thermostat with Nightlight, detailing installation, setup, app control, smart features, and warranty information.
	TJ-225 Smart Wi-Fi Thermostat with Nightlight Installation Guide Comprehensive installation guide for the TJ-225 Smart Wi-Fi Thermostat with Nightlight by Vine. Learn how to safely install and wire your new thermostat for various heating and cooling systems.

Documents - vine – TJ-919E



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