Emerson ST25

Sensi Lite Smart Thermostat User Manual

Model: ST25

Product Overview

The Sensi Lite Smart Thermostat offers an easy-to-use solution for managing your home's heating and cooling. Designed for simple DIY installation, it provides Wi-Fi connectivity for remote control via a mobile app. This Energy Star certified thermostat prioritizes data privacy and is compatible with most HVAC systems, often without requiring a common wire.



Figure 1: Front view of the Sensi Lite Smart Thermostat, displaying the current temperature and Wi-Fi indicator.

Key Features:

- **Easy DIY Installation:** Built-in level and step-by-step instructions for quick setup.
- **C-Wire Flexibility:** Common wire (C-Wire) not required for most systems, simplifying installation. Required for heat pump and heat/cool only systems.
- **Energy Savings:** ENERGY STAR certified features like flexible scheduling, geofencing, remote access, and usage reports help reduce HVAC energy consumption.
- **Data Privacy:** Sensi ensures personal information and thermostat activity data remain private, not sold to third parties.
- **Remote Control:** Manage comfort from anywhere using the top-rated mobile app for Android and iOS devices.

Setup and Installation

Before beginning installation, ensure you have all necessary tools and components as listed in the box contents. Always turn off power to your HVAC system at the circuit breaker before handling any wiring.

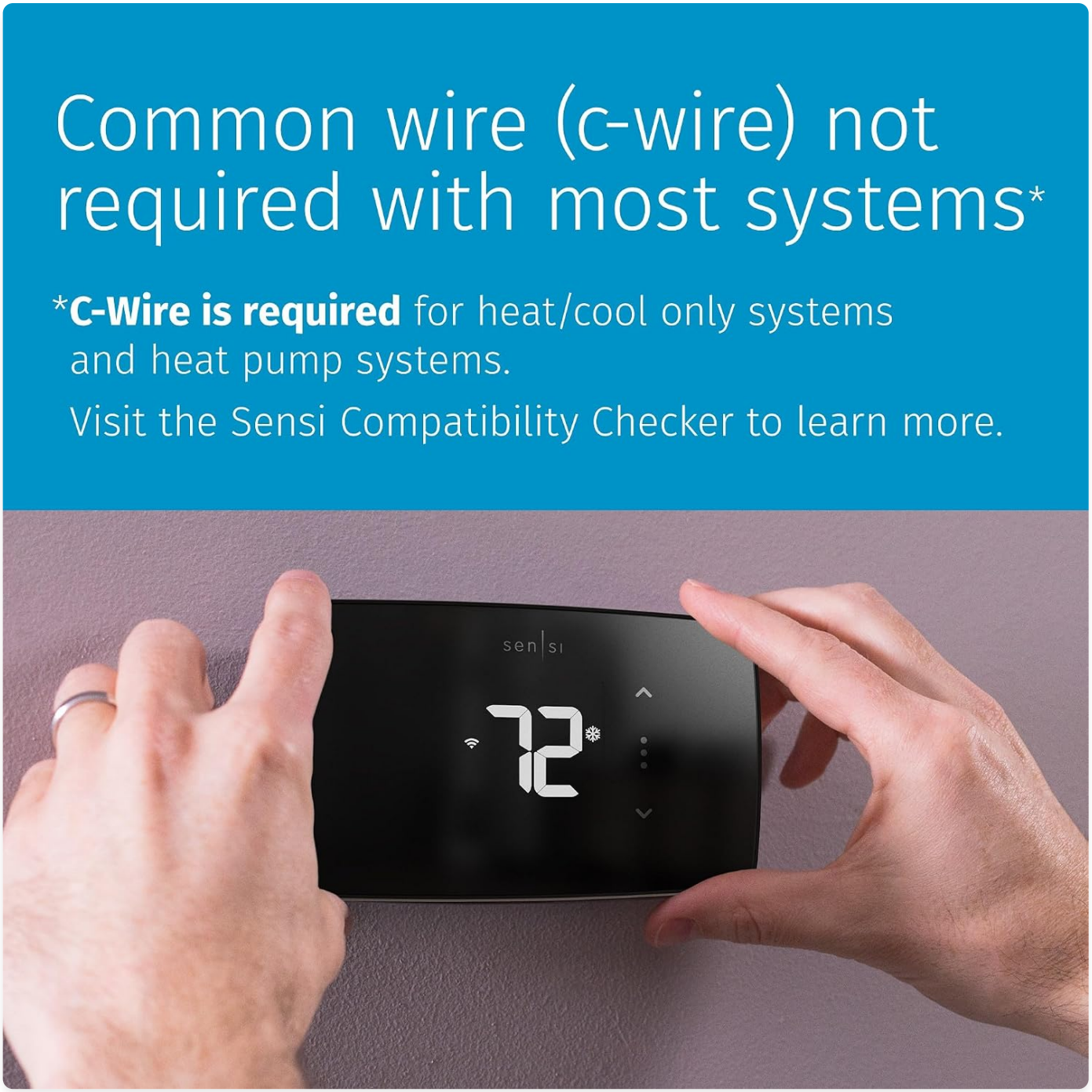


Figure 2: Installation process showing hands attaching the thermostat to the wall plate.

Compatibility:

The Sensi Lite Smart Thermostat is designed to work with most 24 VAC conventional and heat pump systems. It is not compatible with line voltage or millivolt systems.

Verify Compatibility

Conventional systems include boiler, gas furnace, radiant heat, electric heat and air conditioning. Heat pump systems include heat pump, dual fuel, geothermal

Sensi thermostat is not compatible with line voltage systems. A line voltage thermostat will typically have wires larger than 18 gauge and may not have terminal labels. If you're unsure of your system voltage, you or a contractor should measure voltage using a multimeter. Sensi thermostat is rated for 20-30 VAC.

Sensi thermostats are not compatible with millivolt system. A millivolt (mV) system operates on very low power, less than one volt. Sensi is designed for 20-30 VAC systems.

	Sensi Lite smart thermostat	Sensi smart thermostat	Sensi Touch 2 smart thermostat	Sensi Touch smart thermostat
System Type / Stages	Single (1H/1C), Multi-Stage (1H/2C, 2H/1C), Heat Pump (2H/1C)	Single 1H/1C, Multi-Stage 2H/2C, Heat Pump 4H/2C	Single 1H/1C, Multi-Stage 2H/2C, Heat Pump 4H/2C	Single 1H/1C, Multi-Stage 2H/2C, Heat Pump 4H/2C
Terminals*	R, O/B, Y, G, W/E, C	RC, RH, C, W/E, W2/*, Y, Y2/*, O/B/2, G, L	RC, RH, C, Y, Y2/*, W/E, W2/*, G, O/B, ACC+, ACCP	RC, RH, C, W/E, W2/*, Y, Y2/*, O/B/6, G, L
C-Wire	Not required for most systems	Not required for most systems	Required for all systems	Required for all systems

Figure 3: Rear view of the Sensi Lite Thermostat, showing the wiring terminals for installation.

Wiring Diagram:

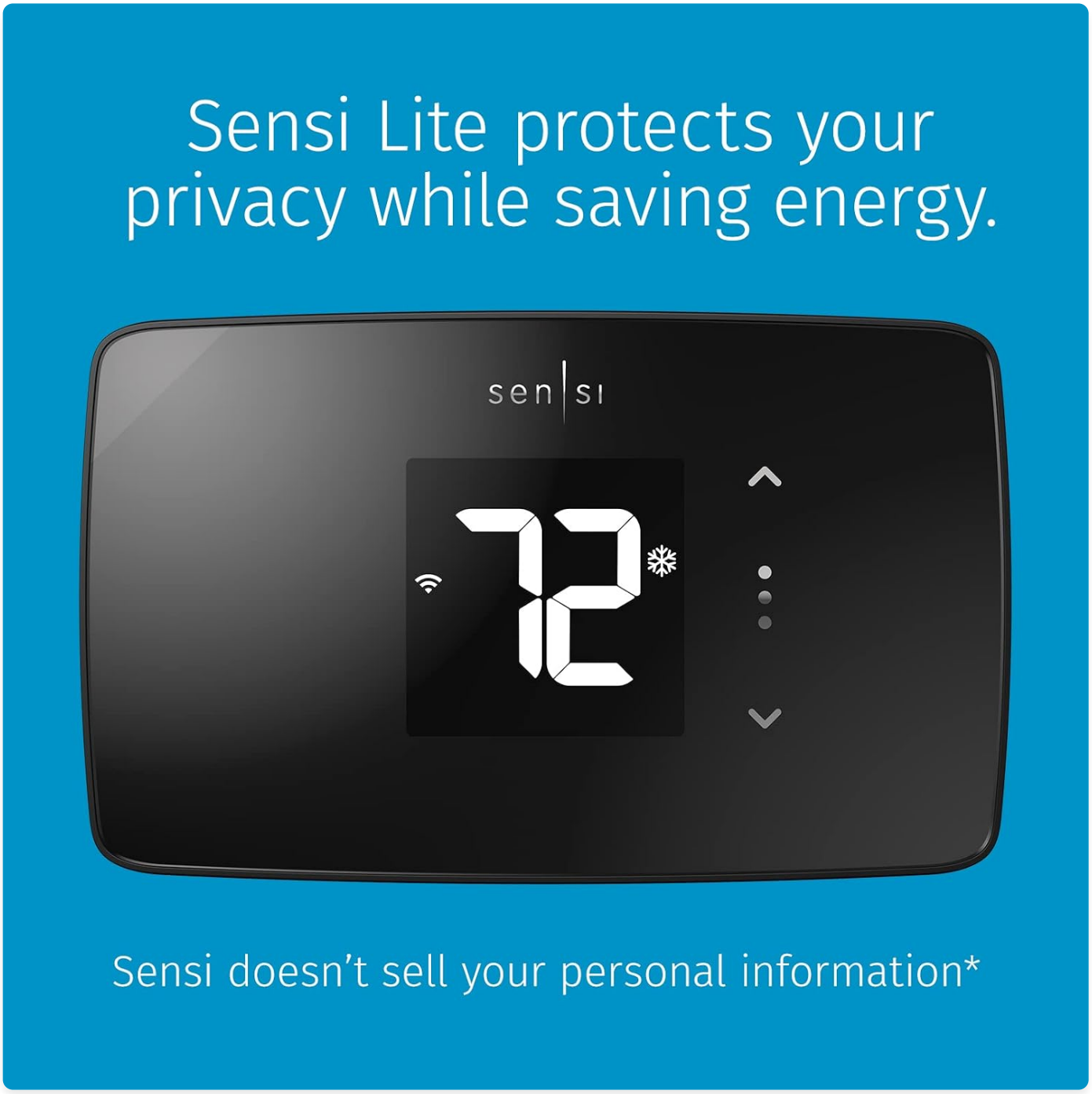


Figure 4: Compatibility chart for Sensi thermostats, detailing system types and required terminals.

Official Installation Video:

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Video 1: Official Sensi Lite Home Installation Guide. This video provides a step-by-step walkthrough of the installation process, including wiring and mounting.

Operating Instructions

The Sensi Lite Smart Thermostat can be controlled directly from the unit or remotely via the Sensi mobile app. The intuitive interface allows for easy temperature adjustments and mode changes.

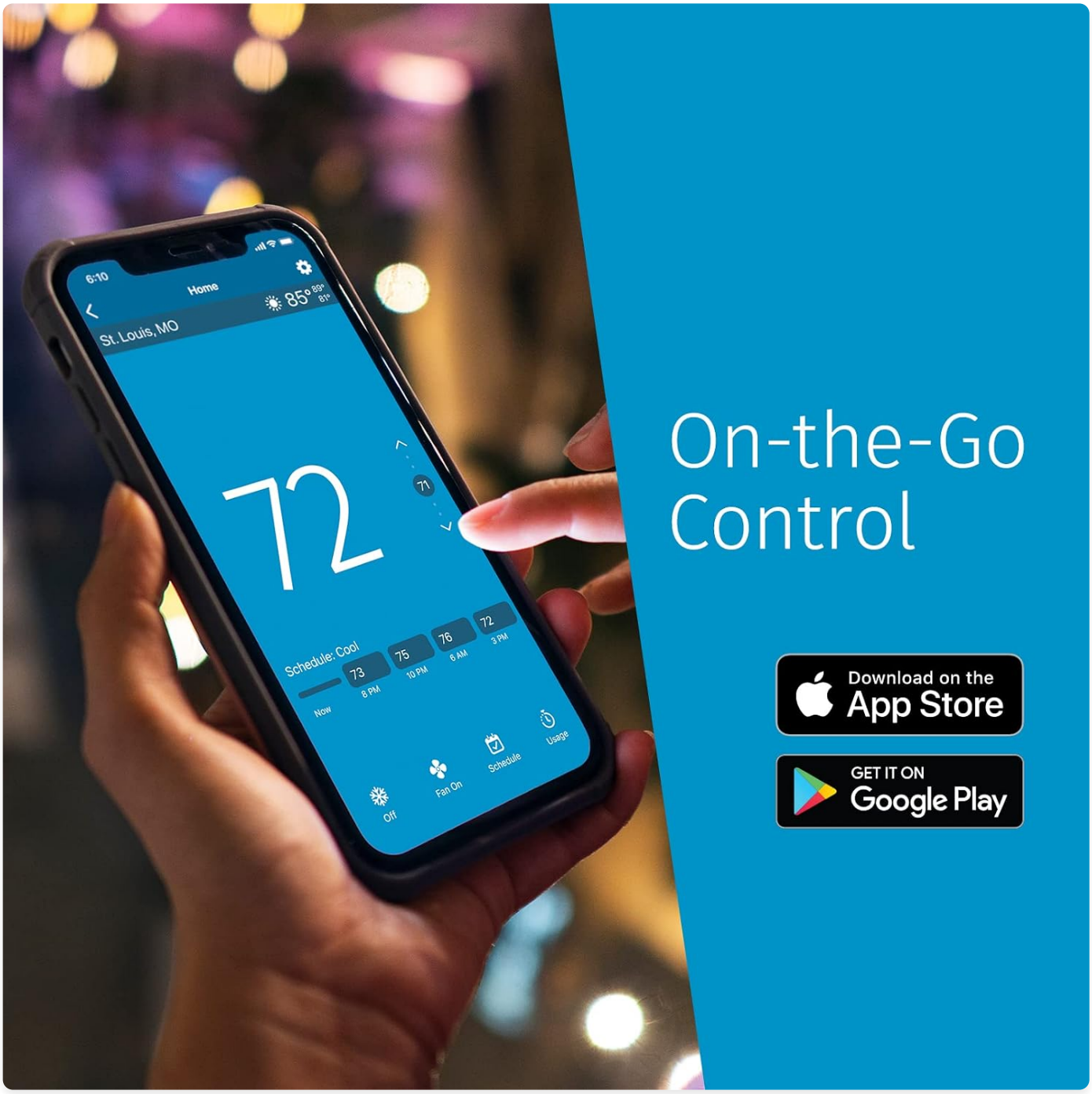


Figure 5: On-the-Go Control: A user adjusting the thermostat settings via the Sensi mobile app.

Temperature Adjustment:

Use the up and down arrows on the thermostat or within the app to set your desired temperature. The display will show the current set temperature.

Mode Selection:

Toggle between Heat, Cool, Auto, and Off modes using the menu options on the thermostat or in the app. Auto mode automatically switches between heating and cooling to maintain your set temperature range.

Scheduling:

Create custom schedules to optimize energy usage. The app allows for programmed schedules and geofencing, which adjusts the temperature based on your proximity to home.

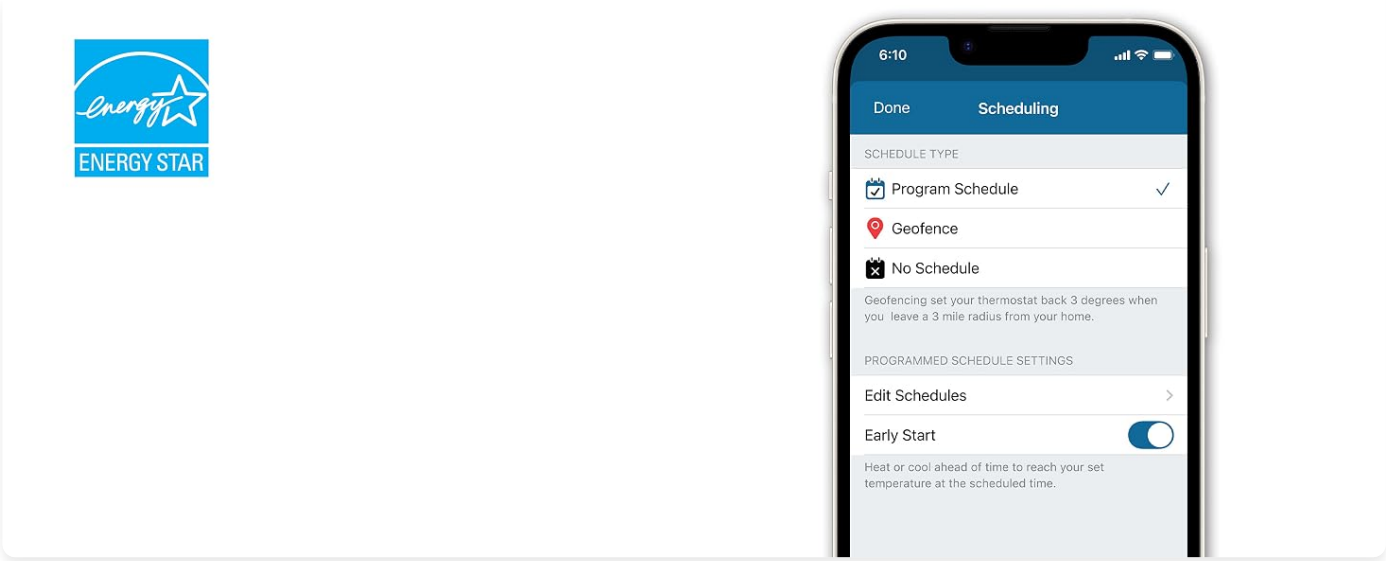


Figure 6: Sensi app interface for setting up programmed schedules and geofencing.

Maintenance

Regular maintenance ensures optimal performance and longevity of your Sensi Lite Smart Thermostat and HVAC system.

Air Filter Reminders:

The thermostat can be set to remind you when it's time to change your air filter. This helps maintain air quality and system efficiency.

Battery Replacement:

The Sensi Lite uses 2 AAA batteries (included). Replace them when the low battery indicator appears on the display.

Troubleshooting

If you encounter issues with your Sensi Lite Smart Thermostat, refer to the following common troubleshooting tips:

- **No Power/Blank Screen:** Check the circuit breaker for your HVAC system. Ensure batteries are correctly installed and charged.
- **Wi-Fi Disconnection:** Verify your home Wi-Fi network is active and the thermostat is within range. Reconnect via the Sensi app's setup process.
- **Incorrect Temperature Readings:** Ensure the thermostat is not exposed to direct sunlight or drafts.
- **System Not Responding:** Confirm the correct wiring connections. Power cycle your HVAC system and the thermostat.

Specifications

Feature	Detail
Brand	Emerson
Model Name	Sensi Lite (ST25)
Product Dimensions	0.88"D x 5.07"W x 3.13"H

Power Source	Battery or C-wire (24 Volts)
Connectivity	Wi-Fi
Controller Type	Hand Control, Google Assistant, SmartThings, Amazon Alexa
Special Features	Filter Indicator, Low Voltage, Daylight Savings Time Ready, Auto Changeover, Programmable
Item Weight	4.8 ounces
Color	Black

Warranty and Support

The Sensi Lite Smart Thermostat comes with a **3-year warranty**.
For additional support, please refer to the official documentation:

- Installation Manual (PDF)
- User Guide (PDF)

You can also visit the Emerson Sensi Store on Amazon for more product information and support resources.

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Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question