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ecobee EB-SMARTSi-01

ecobee Smart Si Thermostat Instruction Manual

MODEL: EB-SMARTSi-01

Brand: ecobee

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1. Introduction

The ecobee Smart Si Thermostat is a Wi-Fi enabled, energy-saving solution designed to provide comprehensive control over your home's heating and air conditioning systems. It features a high-resolution, full-color display for easy readability, showing indoor temperature, live outdoor weather, and forecasting. With its intuitive user interface, you can easily set personalized programs and manage your home's climate from anywhere using a computer, smartphone, or tablet.

2. Setup

2.1 Physical Installation

The ecobee Smart Si Thermostat is designed to replace your existing thermostat. Before installation, ensure your HVAC system has the necessary wiring, including a common (C) wire, for proper power and functionality. Always turn off power to your HVAC system at the breaker before beginning installation. Carefully remove your old thermostat and connect the ecobee Smart Si using the provided instructions. Professional HVAC installation is recommended if you are unsure about wiring or have a complex system.



Image: Rear view of the ecobee Smart Si Thermostat, highlighting the wiring terminals for electrical connections during installation.

2.2 Wi-Fi and Remote Management Setup

Broadband internet access is required to enable Wi-Fi, weather updates, and mobile control features. After physical installation, power on the thermostat and follow the on-screen prompts to connect it to your home Wi-Fi network. Once connected, you can access the free, secure ecobee web portal or download the ecobee mobile app (available for iPhone, iPad, iPod Touch, and Android devices) to manage your thermostat remotely from any location with an internet connection.



Image: The ecobee Smart Si Thermostat displayed with a laptop and smartphone, illustrating its remote management capabilities via the web portal and mobile application.

3. Operation

3.1 On-Device Controls

The Smart Si Thermostat features a full-color display and intuitive push-button controls for direct interaction. Use the directional buttons (up, down, left, right) and the 'OK' button to navigate through menus and adjust settings. The 'Menu' button provides access to various functions, while the 'Back' button allows you to return to the previous screen or the main display.

- **Weather Forecast:** View current outdoor weather conditions and future forecasts directly on the thermostat screen.
- **System:** Select your desired operating mode: Heat, Cool, Auto (switches between heating and cooling as needed), or Off.
- **Fan:** Control the fan operation, choosing between automatic (runs only when heating/cooling) or continuous operation.
- **Weekly Schedule:** Create and manage personalized heating and cooling schedules for each day of the week. The thermostat also supports 365-day scheduling for advanced planning.
- **Vacation:** Set specific temperature ranges for extended periods when you are away from home to save energy.
- **Settings:** Access advanced preferences, Wi-Fi configuration, display options, and installation settings.
- **Reminders and Alerts:** View system notifications, maintenance reminders, and alerts related to temperature or

humidity limits.

- **About:** Display device information such as copyright, software version, Wi-Fi status, serial number, and the thermostat's assigned name.

3.2 Remote Control via Mobile App and Web Portal

Once your ecobee Smart Si Thermostat is connected to Wi-Fi, you can control it remotely using the ecobee mobile app or the web portal. These platforms offer a comprehensive interface to:

- Adjust temperature settings from anywhere.
- Create, modify, and manage detailed heating and cooling schedules.
- Monitor indoor and outdoor temperatures and humidity levels.
- Receive alerts and notifications about your system's performance or maintenance needs.
- Access historical data and energy usage reports to optimize savings.

The mobile app and web portal provide the flexibility to manage your home's climate efficiently, even when you are not physically present.

4. Maintenance

The ecobee Smart Si Thermostat can communicate through email alerts when maintenance is needed or if something is not operating correctly. Regularly check the "Reminders and Alerts" section in the thermostat's menu or the mobile app for notifications regarding:

- System Service
- Furnace Filter replacement
- UV Lamp maintenance
- Low and High Temperature Limits
- Auxiliary Heat Runtime Alerts
- Auxiliary Outdoor Temperature Alerts
- Low and High Humidity Alerts

Addressing these alerts promptly ensures optimal performance and longevity of your HVAC system.

5. Troubleshooting

- **Wi-Fi Connection Issues:** If the thermostat fails to connect to Wi-Fi or hangs during scanning, try performing a soft reset of the device. A small pinhole reset button is typically located on the bottom left of the device. Pressing this button will reboot the thermostat and may resolve connectivity problems.
- **Heating System Malfunctions (e.g., Rebooting):** If the thermostat reboots repeatedly when calling for heat, especially in certain system configurations (e.g., RVs), it might indicate a voltage drop issue. This may require a power booster or professional HVAC technician to diagnose and resolve the underlying wiring or power supply problem.
- **Inaccurate Humidity Readings:** If the humidity sensor consistently displays an incorrect reading, the unit may require replacement. Contact customer support for assistance.

6. Specifications

Feature	Detail
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Brand	ecobee
Model Name	Ecobee Thermostat
Controller Type	Push Button
Color	White
Specific Uses For Product	Heat Pump
Temperature Control Type	Digital
Connectivity Technology	Wi-Fi
Included Components	1 Ecobee Product
Power Source	Battery Powered (4 AA batteries required)
Voltage	24 Volts
Shape	Rectangular
Display Type	Color LCD
Control Method	App, Button Control
Mounting Type	Wall Mount
Backlight	Yes
Item Weight	10.8 ounces
Product Dimensions	5.5 x 3.25 x 1 inches
Item Model Number	EB-SMARTSi-01
Date First Available	June 27, 2012

7. Warranty & Support

7.1 Warranty Information

The ecobee Smart Si Thermostat comes with a manufacturer's warranty. For specific details regarding the warranty period and coverage, please refer to the documentation included with your product or visit the official ecobee support website.

7.2 Customer Support

For further assistance, technical support, or to access additional resources, please visit the ecobee website or utilize the mobile application's support features. The web portal and mobile app provide comprehensive control and information, including access to FAQs and contact options for customer service.

