

## Smart Thermostat PREMIUM

### Air Quality Monitoring

Built in air quality monitor alerts you when air quality is poor and provides simple steps on how to improve it.

### Automatic savings through eco+

Automatically finds additional savings and provides enhanced comfort and schedule suggestions unique to your home.



### Siri and Alexa Built-in







A built-in smart speaker and microphone let you control your home with the power of your voice with your choice of Siri\* and Alexa Built-in.

### SmartSensor included

SmartSensor adjusts the temperature in the rooms that matter most to reduce hot or cold spots to keep you comfortable anywhere in your home. (\$50 USD value)

\*Apple home hub required to enabled Siri on Smart Thermostat Premium

## Saving energy is just the beginning.

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**Save energy, automatically**  
 Save up to 26%\* per year on heating and cooling costs with the ENERGY STAR® certified ecobee Smart Thermostat Premium.
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**Beautifully designed**  
 Completely redesigned inside and out with our biggest breakthroughs yet for a device you'll be proud to display.
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**Reduced energy use**  
 Smart Home and Away detects your presence and automatically adjusts temperature levels, so you're comfortable at home and saving energy when you're out.
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**Seamless control**  
 Use the ecobee app to control your thermostat from anywhere or integrate with your preferred system including Amazon Alexa, Google Assistant, Apple HomeKit, SmartThings, and IFTT.
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**Utility rebates**  
 Purchase may be eligible for a utility rebate. Check [ecobee.com/rebates](http://ecobee.com/rebates).
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**Smart Security hub**  
 Works as a Smart Security hub to monitor and alert you to activity in your home, including smoke alarm detection and possible break-ins (ecobee Smart Security subscription required).

\*Compared to a hold of 72°F/22°C.

## Compatibility

Works with most 24VAC HVAC equipment, including conventional furnaces and air conditioners (2H/2C), heat pumps (2H/2C + 2 stage AUX heat), boilers, and PTACs or fan coil units with up to 3 fan speeds.

One 1-wire accessory or one 2-wire accessory support for humidifiers, dehumidifiers, and ventilators (HRV/ERV).

To check compatibility visit:  
[ecobee.com/compatibility](http://ecobee.com/compatibility)

## Wire terminals

RC	Y1	W1	ACC+
RH	Y2	W2	ACC-
G	C	O/B	PEK+

## HVAC accessory support

One 1-wire acc. or one 2-wire accessory. Control an accessory HVAC device like a humidifier, dehumidifier, or ventilation device.

## Powering method

Hardwired. Power Extender Kit enables you to reliably power your thermostat if a C-wire is not available.

## Power consumption

2W idle  
2.7W peak

## Bandwidth

15MB/Mo\*

\*Depending on Alexa usage

## Connectivity and security

Dual-band Wi-Fi: 802.11 b/g/n @ 2.4GHz, 802.11 a/n/ac @ 5GHz  
Bluetooth 5.0, A2DP, LE  
WPA, WPA2, WPA3 encryption methods  
DHCP (dynamic) or static IP addressing  
168-bit SSL encryption  
915MHz radio

### Works with other ecobee products

Our Smart Thermostat Premium seamlessly connects to ecobee Smart Security (subscription required), alongside our SmartSensors, SmartCamera with voice control, and SmartSensors for doors and windows.

## Display

4" full-color touch screen LCD  
540 x 540 pixel display

## Thermostat sensors

Temperature  
Humidity  
Proximity  
Occupancy  
Air Quality (VOC & eCO2)

## Design

Full-screen design with 50% larger usable display screen than our previous thermostats.  
Improved screen resolution (540x540).  
New menu for easier navigation.  
New indicator to quickly identify when system is heating or cooling.  
A clean, seamless glass display front.  
Die cast metal backing - zinc alloy.

## Sustainability

Fully recyclable or compostable packaging  
Tapioca insert packaging  
Mercury-free  
Arsenic-free  
PVC-free  
RoHS compliant

## Features

Radar occupancy & proximity sensing  
Air quality monitor  
Multi-speed fan support  
Control through iOS & Android apps and Apple Watch  
Alexa Built-In  
Siri Enabled

## Voice and audio

Built-in microphones  
Built-in Speaker  
Far-field voice recognition

## Temperature range

Desired: 45°F to 92°F (7°C to 33°C)  
Display: 40°F to 100°F (5°C to 37°C)  
Sensitivity: +/- 1°F (+/- 0.5°C)  
Operating: 14°F - 122°F (-10°C to 50°C)

## Humidity range

Display: 20% to 90% RH  
Sensitivity: +/- 5% RH  
Operating: 5% to 95% RH (non-condensing)

## Storage

Temperature: -31°F to 113°F (-35°C to 45°C)  
Humidity: 5% to 95% RH (non-condensing)

## What's in the box

ecobee Smart Thermostat Premium  
ecobee SmartSensor with detachable stand or wall mount  
Backplate  
Wire labels  
Screws & drywall plugs  
Power extender kit  
Trim plate  
Quick start guide

## Warranty

Guaranteed reliability and easy install with everything you need included in the box. Industry leading 3-year warranty.

### Product dimensions

Smart Thermostat  
Length: 103.89 mm (4.09 in)  
Width: 103.89 mm (4.09 in)  
Depth: 25.9 mm (1.02 in)

Trim Plate  
Length: 143.5 mm (5.65 in)  
Width: 159.9 mm (6.29 in)  
Depth: 7.71 mm (0.3 in)

Power Extender Kit  
Length: 62 mm (2.44 in)  
Width: 62 mm (2.44 in)  
Depth: 23 mm (0.90 in)

SmartSensor  
Length: 40 mm (1.58 in)  
With stand: 50 mm (1.58 in)  
Width: 40 mm (1.6 in)  
Depth: 26.4 mm (1.03 in)

[ecobee.com/smart-thermostats](http://ecobee.com/smart-thermostats)

