

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.
- 
Beautifully designed
 Completely redesigned inside and out with our biggest breakthroughs yet for a device you'll be proud to display.
- 
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.
- 
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.
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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.

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

To check compatibility visit:
ecobee.com/compatibility

Wire terminals

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

HVAC accessory support

Two 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
WEP 64, WEP 128, WPA, and WPA2 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: 5% to 95% RH (non-condensing)

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: 23.88 mm (0.94 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

