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# 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.

**Check in live with an ecobee Smart Doorbell Camera**
Never miss a visitor or be surprised by who's at the door, and check in live from your Smart Thermostat Premium. Also, hear your doorbell chime through your speaker-enabled ecobee devices so you'll never miss the door.




**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

ENERGY STAR

# Saving energy is just the beginning.

**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.

*Compared to a hold of 72°F/22°C.

**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.

**Utility rebates**
Purchase may be eligible for a utility rebate. Check ecobee.com/rebates.

**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).

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# Smart Thermostat **PREMIUM**

**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**

**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

**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**

Works with Apple Home | alexa built-in | Spotify | Works with SmartThings | works with Hey Google

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