

ecobee for Pro

Smart Thermostat PREMIUM

Saving energy is just the beginning.

5-year warranty with professional installation and seamless integration into smart home systems. Advancements in comfort, home health, and security needs.



Why pros love us.

Simple

Comes with everything needed for a quick and easy installation, including screws and drywall plugs, backplate, PEK, wiring diagrams and a quick start guide.

Reliable

Doesn't need charging, or other power sources. Included Power Extender Kit for hardwired installations without a C wire.

Built-in air quality monitor

Built-in air quality monitor that measures VOC/eCO₂, alerts homeowner when air quality is poor, and provides simple steps on how to improve it.

Included SmartSensor

SmartSensor adjusts the temperature in rooms with hot or cold spots to keep homeowner comfortable anywhere in the home.

Seamless integrations

Works with the most popular smart home systems and is the only smart thermostat that doubles as a security hub to monitor unexpected activity.*

works with

ecobee | SmartBuildings

Why homeowners love us.

Automatic savings

Automatically helps homeowners save up to 26%** on heating and cooling costs, while keeping them comfortable with included room sensor.

Healthier home

Built-in air quality monitor that alerts you when air quality is poor and can send reminders when it's time to change the furnace's air filter.

Premium look and ease-of-use

Redesigned with premium materials and advanced engineering. Thicker glass, intuitive usability, a larger screen, new metal body, and our most advanced sensors ever.

Multi-talented monitoring

Built-in smoke alarm detection*, presence detection to alert of issues when homeowner is not home, and freeze detection to notify of sudden temperature drops.

Made for the planet

Helps lower homeowners' carbon footprint by automatically conserving energy. Designed with quality materials to last for over 10 years.

*ecobee Smart Security subscription required

**Compared to a hold of 72°F/22°C.

Support Hours

Available 8am-11pm (Mon-Fri) and 9am-9pm (Sat-Sun). 1.866.518.6740 | support@ecobee.com | ecobee.com/contractors

Compatibility

Works with most 24 VAC HVAC equipment:
Gas, oil, electric, dual fuel, forced air
Conventional (2H/2C)
Heat Pumps (4H/2C) 2 stage heat pump +
2 stage AUX / 2 stage cool
Boilers
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)

Wire terminals

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

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

Power consumption

4 VA

Bandwidth

15MB/Mo*

*Depending on Alexa usage

Works with other ecobee products

Seamless connects to:
ecobee Smart Security (subscription
required)
SmartSensors
SmartSensors for doors and windows
SmartCamera with voice control

Powering method

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

Display

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

Thermostat sensors

Temperature
Humidity
Proximity
Occupancy
Air Quality (VOC & eCO2)

Sustainability

Energy Star Certified
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*
*Apple home hub required

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 to 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
Wiring diagrams
Screws & drywall Plugs
Power extender kit
Trim plate/adaptor plate
Quick start guide

Warranty (Pro install only)

Industry-leading 5-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)

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