Nest Pro

Nest Learning Thermostat (4th gen) Pro

Information sheet

Nest Pro

Top reasons to buy

Get to know the Nest Learning Thermostat (4th gen) Pro.

Outside, it's the same beautiful thermostat customers love. Inside, it's re-engineered to help your business grow.

Faster install. In the app or on the wall.

The new on-device setup is the fastest yet on a Nest thermostat, so your techs can get onto the next job in no time. They can still use the Google Home app for installation if they prefer.[1] And the seamless new digital handoff helps reduce customer confusion and day-two callbacks.

Easier to service.

With every essential setting on the device now unlocked, it's easy for technicians to adjust, troubleshoot, or re-program after setup or during service calls.

Unlock the full potential of high-end systems.

The Nest Learning Thermostat is now compatible with up to 3 stages of heat and 3 cool for conventional systems, or up to 5H 3C for heat pumps and hybrid heat, including multi-stage aux heat, delivering quieter operation, better dehumidification, and smoother heating transitions in high-end equipment.

1 Google Home app required.

Nest Pro • 4th-gen exclusive

Nest's smartest, most advanced thermostat yet.

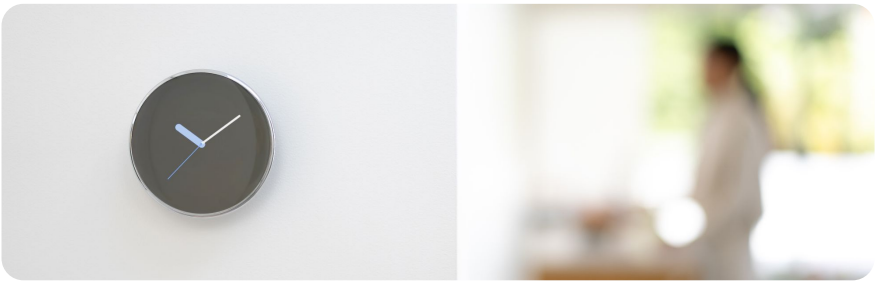
The Nest Learning Thermostat Pro is packed with brilliant energy-saving features customers love.[1]

HVAC System Health Monitor (previously HVAC monitoring)

Looks out for system issues and sends customers an alert with your company's contact info if something doesn't seem right.[2] One-tap contact makes it easy for customers to get in touch, routing high-priority service calls directly to your business.[3]

Natural heating and cooling

Tracks how the outside temperature affects a home's temperature, and pauses the system to save energy.[4]



Smart ventilation

Brings in outdoor air when air quality is healthy and it's most efficient.[5] It can also pause ventilation when something's impacting the air quality.

Smart Schedule

Learns the temperatures customers like and when they like them, but now customers can see and accept schedule tweaks before they happen.[4]

Adaptive Eco

Helps find an energy-saving temperature based on the weather and your customer's home.[4] So they save when they're away, and it's comfortable when they come back.

1 Compared to Nest Learning Thermostat (3rd gen). 2 List of eligible HVAC systems is available at g.co/nest/hvac-monitoring. Alerts can notify users of a potential issue with an eligible HVAC system. They're meant to provide helpful information,not an endorsement, representation, or warranty of any kind about the health of an HVAC system. HVAC System Health Monitor is only available to registered Nest Pros. A person with legal signing authority for the Pro company can register for a ProID at g.co/nestpro. HVAC system alerts will surface the information of a Pro company if the Pro company is enrolled in HVAC System Health Monitor and a Pro ID is entered on the thermostat. 3 Compared to earlier software versions of NestLearning Thermostat (4th gen). 4 Google Home app required. 5 Requires compatible HVAC ventilation system.

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	Nest Learning Thermostat (4th gen)	Nest Thermostat
Compatibility	Up to: 3H/3C conventional, 5H/3C heat pump/hybrid heating system	Up to: 2H/1C or 1H/2C conventional, 1H/1C heat pump/hybrid heat
App used	Google Home app	Google Home app
Setup options	Pro setup on the device or in the Google Home app, no Wi-Fi required	Pro setup in the Google Home app, no Wi-Fi required
Nest Temperature Sensor compatibility	1st gen and 2nd gen	Not compatible
Humidifier and dehumidifier[1]	Hum only Dehum only Hum/Dehum	Not compatible
Ventilation[1]	HRV ERV Supply or exhaust only	Not supported
Fan control	Up to 3 speeds	Single speed
Emergency heat	Dedicated wire supported in star terminal, but not required (can activate W2/aux or W1 and/or W2 terminal in dual-fuel application)	Dedicated wire not supported, but not required (activates W terminal)
Advanced settings	Compressor lockout Minimum compressor on time Minimum heat on time Heat temp difference Cool temp difference Filter reminder run times	Compressor lockout Auxiliary heat lockout
Extended warranty	5-year pro warranty (vs. 2 in retail)	3-year pro warranty (vs. 1 in retail)
Energy-saving features[2]	Smart Schedule Home/Away Routines Adaptive Eco Adaptive Comfort Natural heating and cooling Smart Ventilation[3] Seasonal Savings Heat Pump Balance Humidity Helper[4] Energy Shift[5]	Savings Finder Home/Away Routines Eco Temps - - - Seasonal Savings Heat Pump Balance Cool to Dry Energy Shift[5]
Design	Available in multiple colors High-res color display Dynamic Farsight	Available in multiple colors Mirrored display

1 Requires compatible HVAC ventilation system and Google Home app. 2 Google Home app required for most energy saving features. 3 Smart Ventilation requires compatible HVAC ventilation system. 4 Humidity Helper requires air conditioner, heat pump, or central humidifier or dehumidifier. 5 Adjustments are primarily designed to shift the timing of electricity usage from your heating and cooling, but these shifts typically result in net energy savings.

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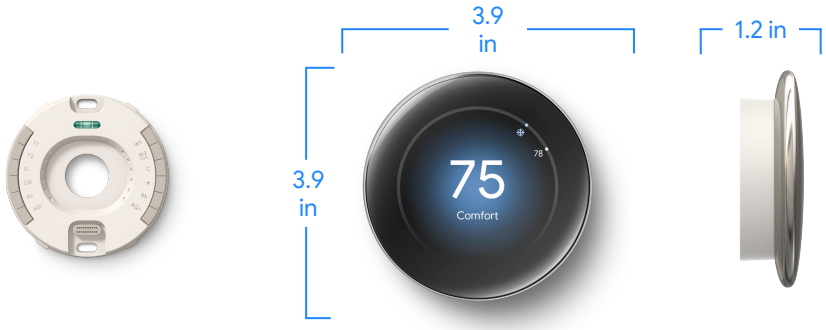
Tech specs

Nest Learning Thermostat Pro



Color
Polished Silver

Display
- 2.7 in (68 mm) diameter
- Circular liquid crystal display (600 x 600 pixels)

Sensors
- Soli Sensor for motion sense
- Humidity
- Ambient light
- Temperature

Size and weight

Display
- Diameter: 3.9 in (98 mm)
- Height: 1.1 in (29 mm)
- Weight: 5.7 oz (161.8 g)

Assembled
- Diameter: 3.9 in (98 mm)
- Height: 1.2 in (30 mm)
- Weight: 6.9 oz (195 g)

Wireless
- Wi-Fi 802.11n (2.4 GHz / 5 GHz)
- Bluetooth Low Energy (BLE)

Languages
- English
- French
- Spanish

Power
- Less than 1 kWh/month
- **Voltage** 20-30VAC
- **Startup current** 4VA
- **Standby current** 2VA

The Nest Learning Thermostat has a Power and System test that will let you know if more power is needed. If so, you can install a C wire or Nest Power Connector to ensure that the thermostat always has enough power.

Battery
Built-in, rechargeable lithium-ion battery

Voice control
- Installation and setup require the Google Home app.
- Control the Nest Learning Thermostat with Google Home and other Matter-enabled apps and voice assistants.

Room comfort sensor compatibility
Works with the Nest Temperature Sensor (2nd gen) and Nest Temperature Sensor (1st gen) (both sold separately)

Certifications
ENERGY STAR® certified thermostat

Multi-zone control
- Control up to 20 thermostats per home.

In the box
- Thermostat display
- Base
- Optional trim kit
- Mounting screws and labels
- Installation guide
- Welcome guide

Compatibility
- The Nest Learning Thermostat works with more 24V heating and cooling systems than any Nest thermostat, including gas, electric, forced air, heat pump (including multi-stage aux heat), radiant, oil, hot water, solar, and geothermal.
- Heating: 1, 2, and 3 stages (W1, W2, W3)
- Cooling: 1 and 2 stages (Y1, Y2, Y3)
- Heat pump: with auxiliary and emergency heat (O/B, AUX, E)
- Humidifier or dehumidifier (hum, dehum)
- Fan (G)
- Power (C, RH, RC) compatible with dual transformer systems
- Ventilation: ERV, HRV, supply only and exhaust (AQ+, AQ-)

Warranty
2-year limited warranty

Nest Pro install
5-year limited warranty

Nest Pro FAQs

Frequently asked questions

How does it compare to the Nest Learning Thermostat (3rd gen)?

The **Nest Learning Thermostat (4th gen)** helps you streamline installs with **fast, easy setup** on the device or in the Google Home app. No matter which one your technicians choose, they'll have full access to advanced settings during setup and beyond for **easier servicing**. The thermostat also builds on the previous generation with upgraded features, including **Smart Schedule**, to give customers more control and help reduce callbacks.[1] It has even smarter ways to save energy, with **Adaptive Eco**, **smart ventilation**, and **natural heating and cooling**.[1,2] And the backplate has 12 terminals and is compatible with more equipment, including ventilation systems like HRVs and ERVs.

How is this thermostat "built with pros in mind"?

The product team incorporated years of feedback from professionals to design a beautiful new thermostat that delights consumers and meets the unique needs of HVAC pros. And with the one-tap contact and even more alerts on **HVAC System Health Monitor**, it's designed to drive leads, routing high-priority service calls right to your business.[3,4]

How do you install and set up the Nest Learning Thermostat Pro?

The Nest Learning Thermostat (4th gen) Pro is simple to install, and now your techs can choose to set it up right on the device or in the app. No Wi-Fi is required, and they never have to touch a customer's phone. Technicians only have to enter their Nest Pro ID once in the Google Home app and their phone will automatically add it on future installs of the Nest Learning Thermostat (4th gen). The thermostat also comes with a trim plate to help cover imperfections on the wall.

Does it work with any temperature sensor?

It's compatible with the Nest Temperature Sensor (2nd gen) and Nest Temperature Sensor (1st gen), both sold separately. The **Nest Temperature Sensor (2nd gen)** has improved features in the Google Home app.[5] Now, customers can select multiple sensors for their home to create a comfortable average across rooms – including the thermostat's sensor and any Nest Temperature Sensors in the home. Plus, the improved scheduling features let users target a sensor for one-hour increments, compared to the previous four-hour blocks.[1]

1 Google Home app required. 2 Requires compatible HVAC ventilation system. 3 List of eligible HVAC systems is available at g.co/nest/hvac-monitoring. Alerts can notify users of a potential issue with an eligible HVAC system. They're meant to provide helpful information, not an endorsement, representation, or warranty of any kind about the health of an HVAC system. HVAC System Health Monitor is only available to registered Nest Pros. A person with legal signing authority for the Pro company can register for a Pro ID at g.co/nestpro. HVAC system alerts will surface the information of a Pro company if the Pro company is enrolled in HVAC System Health Monitor and a Pro ID is entered on the thermostat. 4 Compared to earlier software versions of Nest Learning Thermostat (4th gen). 5 Remote control and mobile notifications require working internet and Wi-Fi.