



Nest Pro

Nest Learning Thermostat (4th gen)

Information sheet





Nest Pro

Top reasons to buy

Meet the Nest Learning Thermostat (4th gen).

Designed with HVAC professionals in mind, it's Nest's smartest, most advanced thermostat yet.

Easier, faster installation.

Your technicians can set up everything in their own account with Pro setup in the Google Home app. No Wi-Fi is required, and they don't need to use a customer's phone.

With automated Pro ID, your technician only has to enter your Nest Pro ID once, and their phone will automatically add it on future installs.



More compatible. And customizable.

It's compatible with complex HVAC systems up to 4H 2C, including heat pump, ventilation, and central humidifiers and dehumidifiers, so it works in almost any home.

Technicians can now choose between intelligent and advanced settings to ensure that the thermostat is optimized for the system they're installing.

Comfort control, simplified.

Comes with a Nest Temperature Sensor (2nd gen) to help customers manage hot and cold spots in their homes.

Customers can also buy more sensors (up to six per thermostat) and average temperatures across them.

Upgraded features. Happier customers.

The next-gen Nest Learning Thermostat offers the seamless experience customers love, with improved learning features to help reduce callbacks.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, so they can get in touch when they need you most.^{2,3}

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 Pro assistance is only available in eligible areas. NestPros are independent third-party contractors who provide HVAC installation, maintenance, and repair services. ⁴ Google Home app required. ⁵ Requires compatible HVAC ventilation system.



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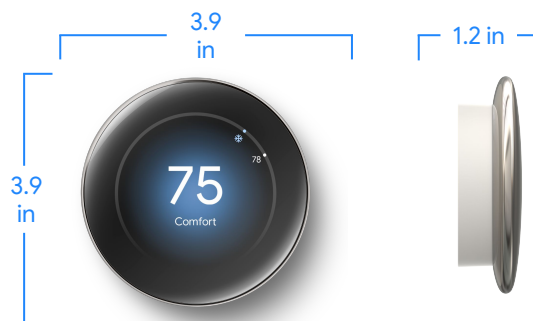


Nest Thermostat

Compatibility	Up to: 3H/2C conventional 4H/2C heat pump/hybrid heat	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 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 (one sensor included in box)	Not compatible
Humidifier and dehumidifier¹	Hum only Dehum only Hum/Dehum	Not compatible
Ventilation¹	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 features²	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 -
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.

Nest Learning Thermostat (4th gen)



Colors

Polished Silver
Polished Obsidian
Polished Gold

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) (included in the box) and Nest Temperature Sensor (1st gen) (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
- Nest Temperature Sensor (2nd gen)
- 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, radiant, oil, hot water, solar and geothermal.
- Heating: 1, 2, and 3 stages (W1, W2, W3)
- Cooling: 1 and 2 stages (Y1, Y2)
- 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



Frequently asked questions

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

The Nest Learning Thermostat (4th gen) builds on the previous generation with upgraded scheduling 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 The backplate has 12 terminals and is compatible with more equipment, including ventilation systems like HRVs and ERVs. The new thermostat has a 60% bigger display and shows what the system and thermostat are doing, like when it's “learning” from a setpoint change. And with improved software and hardware, it's more power efficient.

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. With more customizable controls, technicians can now choose between intelligent and advanced settings to ensure that the thermostat is optimized for your equipment, including high-efficiency heat pumps and variable speed systems.²

How do you install and set up the Nest Learning Thermostat (4th gen)?

The Nest Learning Thermostat (4th gen) is simple to install and comes with a trim plate to help cover imperfections on the wall. With Pro setup in the Google Home app, technicians can set up and configure everything in their own account, with access to even more advanced settings. No Wi-Fi is required, and they never have to touch a customer's phone.³ Technicians only have to enter their Nest Pro ID once, and their phone will automatically add it on future installs.

Is there anything new with the next-gen temperature sensor?

The **Nest Temperature Sensor (2nd gen)** has improved features in the **Google Home app**.⁴ 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.