

E is for exclusive.



Helping customers save energy has never been easier with the Nest Thermostat E. It can turn itself down when they leave home. They can control it from anywhere with the Nest app.¹ And it's now available to professional installers only.

How does it work?

Easy to use

No more programming. Customers can choose between a basic schedule right out of the box or Auto-Schedule, which learns the temperatures they like and programs itself.

Easy to save energy

It can use sensors and a phone's location to check if customers have left the house. Then it can set itself to an Eco temperature to save energy.

Easy to control

Connect it to Wi-Fi to change the temperature from a phone, tablet, or laptop.¹ Or use a simple voice command with Google Assistant.²

HVAC monitoring

Looks after customers' heating and cooling systems and sends an alert if something doesn't seem right.³

Remote temperature sensing

Works with the Nest Temperature Sensor to help customers keep their homes even more comfortable from room to room.⁴

Frosted display

Blends into the background and fits into any home.

Energy History

Easy to see when heating and cooling were on and what affected energy use.

[Learn more at g.co/nestpro](https://www.google.com/nestpro)

Features

- Auto-Schedule
- Basic Schedule
- HVAC monitoring
- Energy History
- Home Report
- Nest Leaf
- Nest app
- Airwave
- System Match
 - Early-On
 - Heat Pump Balance
 - True Radiant
- Time-to-Temperature
- Weather aware
- Advanced Fan Control
- Sunblock
- Cool to Dry
- Thermostat lock
- Software updates over Wi-Fi
- Safety Temperature Alert
- Furnace Heads-Up
- Filter Reminder
- System Test

Specs

Color

- White

Display

- 24-bit color LCD
- 320 x 320 resolution at 182 pixels per inch
- 1.76 in (4.5 cm) diameter

Sensors

- Temperature
- Humidity
- Motion
- Ambient light
- Magnetic (for thermostat ring position)

Memory

- 256 MB

Size and weight

- Mass: 4.9 oz (139 g)*
- Diameter: 3.19 in (8.1 cm)
- Height: 1.14 in (2.89 cm)

*Weights may vary slightly

Connectivity requirements

- Wi-Fi internet connection
- Phone or tablet running iOS or Android
- Nest app

Languages

- English (US, UK)
- Dutch
- French (Canada, France)
- German
- Italian
- Spanish (Americas, Spain)

Wireless

- 802.11 a/b/g/n (2.4GHz/5GHz) Wi-Fi
- 802.15.4 (2.4GHz)
- Bluetooth Low Energy

Battery

- Built-in rechargeable lithium-ion battery

Power consumption

- Less than 1 kWh per month

Voltage requirement

- 20-30V AC

Warranty

- 1-year limited warranty. Enter your Nest Pro ID during setup for an extra 2 years, for a total of 3. For help, visit g.co/nest/support. Our support team is also available by phone at 855-VIP-NEST.

In the box

- Nest Thermostat E
- Optional trim plate
- Mounting screws and labels

Compatibility

- The Nest Thermostat E works with 85% of 24V heating and cooling systems, including gas, electric, forced air, heat pump, radiant, oil, hot water, solar, and geothermal.
- Heating and cooling: 1 stage of heating (W1) and cooling (Y1) and a second stage of either heating (W2) or cooling (Y2).
- Heat pump: with auxiliary and emergency heat (O/B, AUX)
- Fan (G)
- Power (C, RH, or RC)
- The Nest Thermostat E is designed to work even in homes without a common C wire, but installation of a new C wire may be required in rare cases.
- Compatible with the Nest Temperature Sensor (sold separately).

Bandwidth requirements

- Average bandwidth approximately 50MB/week upload and 50MB/week download

Certifications

- UL 873, Temperature-Indicating and -Regulating Equipment
- CSA-C22.2 No. 24, Temperature-Indicating and -Regulating Equipment
- ENERGY STAR®