

Nest Learning Thermostat™

Programs itself.
Control from anywhere.™



Meet the Nest Learning Thermostat

The Nest Learning Thermostat doesn't need to be programmed - it remembers the temperature you set and builds a personalized schedule for you. Nest turns itself down when you're away to help save energy and you can change the temperature from anywhere using your smartphone, tablet or laptop.

Here's how it works:



Auto-Schedule™

No more confusing programming. Nest learns the temperatures you like and programs itself.



Remote control

Connect Nest to Wi-Fi to change the temperature from your smartphone, tablet or laptop.



Nest Leaf

The Nest Leaf appears when you turn Nest to a temperature that's energy efficient. It guides you in the right direction.



System Match™

Get the most out of your high-efficiency system. Nest turns on specific features for forced air, heat pump or radiant to help you save energy and stay comfortable.



Advanced Fan Control

Running the fan can save energy and keep air fresh. Now you can schedule your fan to turn on daily or for a few minutes every hour to circulate air through your home.



Auto-Away™

Nest automatically turns itself down when you're away to avoid heating or cooling an empty home.



Energy History

See when heating and cooling were on and what affected your energy use.



Airwave

Nest automatically turns off the AC a few minutes early, but keeps the fan running. Your AC runs less but the air stays cool.



Sunblock

In many homes the thermostat is in direct sunlight, causing it to warm up. Nest automatically adapts to direct sunlight to read and set the right temperature.



Cool to Dry

Nest can use the air conditioner to dehumidify homes in extremely humid climates, helping to prevent mold when you're away.

UNIQUE TO NEST

- Auto-Schedule
- Auto-Away
- Nest Leaf
- Energy History and Report
- Airwave
- Nest Sense
- System Match
- Early-On
- Heat Pump Balance
- True Radiant
- Time-to-Temperature
- Sunblock
- Cool to dry
- Thermostat Lock
- Multiple thermostat coordination
- Nest Web and Mobile App
- Software updates over Wi-Fi
- Stainless steel ring
- Chameleon design
- Press connectors
- Built-in bubble level
- Silent relays

DETAILED SPECS

LCD Display

- 24 bit color
- Ø320 display
- 1.75" diameter

Battery

- Built-in rechargeable lithium-ion battery

Sensors

- Temperature sensors
- Humidity sensor
- Near-field activity sensor
- Far-field activity sensor
- Ambient light sensor

Languages

- English
- French
- Spanish

Wireless

- 802.11b/g/n @ 2.4GHz
- 802.15.4 @ 2.4GHz

Warranty

- 2 year limited warranty

COMPATIBILITY

Nest works with over 95% of 24V heating and cooling systems, including gas, electric, oil, solar, hot water, geothermal, forced air, heat pump and radiant.

- Heating: one, two and three stages (W1, W2, W3)

- Cooling: 1 and 2 stages (Y1, Y2)
- Heat pump: with auxiliary and emergency heat (O/B, AUX, E)
- Fan (G)
- Power (C, Rh, Rc)

- Whole home humidifier or dehumidifier (HUM, DEHUM)*
 - Dual fuel systems (heat pump with furnace)*
- Common wire not required in 99% of installations.

* Professional installation recommended

SIZE

Nest Display

- Mass = 215g / 7.6oz
- Diam = 83.0mm / 3.27 in
- Height = 28.0mm / 1.10 in

Nest Base

- Mass = 37g / 1.3oz
- Diam = 76.5mm / 3.01 in
- Height = 10.7mm / 0.42 in

Assembled

- Mass = 252g / 8.6oz
- Diam = 83.0mm / 3.27 in
- Height = 32mm / 1.26 in

INSIDE THE BOX

- Nest Learning Thermostat
- Installation guide
- Welcome Guide
- Nest screwdriver
- Wall screws
- Optional Trim Kit



ENVIRONMENTAL

Green

- RoHS Compliant
- Mercury Free
- 100% Recyclable Packaging

Operating

- Temperature 0°C to 40°C or 32°F to 104°F
- Humidity: 0%RH to 90%RH

Storage

- Temperature: -20°C to 45°C or -4°F to 113°F
- Humidity: 40%RH to 80%RH

SETUP

Description/Part

English-French – T200477W

Single UPC

854448003051

Case Pack UPC

10854448003058



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nest.com