



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 2H/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 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 (will activate W1 and/or W2/aux without dedicated wire)	Dedicated wire not supported, but not required (activates W terminal)
Advanced settings	Cycle times Adaptive control Heat/cool staging Aux/alt heat activation Humidity control	Cycle times Adaptive control Heat/cool staging Aux/alt heat activation Humidity control
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 Energy Shift ⁵
Design	Available in multiple colors High-res color display Dynamic Farsight	Available in multiple colors Mirrored display

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