



Nest Thermostat E



Screen		24-bit color LCD	
		320x320 resolution at 182 pixels per inch (PPI)	
Compatibility		The Nest Thermostat E works with most 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 Learning Thermostat is designed to work even if your home doesn't have a common C wire, but installing a new C wire may be required in rare cases.	
Sensors		Temperature (2 sensors), Indoor humidity, Proximity, Proximity/Occupancy, Ambient light	
Memory		256 MB	
Size & Weight	Display	Mass: 3.7 oz (105 g) Diameter: 3.19 in (8.1cm) Height: 0.97 in (2.47 cm)	
	Base	Mass: 1.2 oz (34 g) Diameter: 2.83 in (7.2 cm) Height: 0.43 in (1.08 cm)	
	Assembled (Display+Base)	Mass: 4.9 oz (139 g) Diameter: 3.19 in (8.1 cm) Height: 1.14 in (2.89 cm)	
	Trim plate size	Width: 5.92 in (150.4 mm) Height: 4.35 in (110.4 mm)	
Battery		Built-in rechargeable lithium-ion battery	
Power Consumption		Less than 1 kWh/month	
Voltage requirement		20-30V AC	
Connectivity requirements		Wi-Fi internet connection Nest app Phone or tablet running iOS or Android	
Wireless		Wi-Fi: 802.11b/g/n 2.4GHz, 802.11 a/n 5GHz Wireless Interconnect: 802.15.4 @ 2.4GHz Bluetooth Low Energy	
Bandwidth		Average bandwidth approximately: 50 MB/week upload and 50MB/week download	
Certification		UL 873, Temperature-Indicating and Regulating Equipment CSA-C22.2 No. 24, Temperature-Indicating and - Regulating	
In the box		Nest Thermostat display	
		Nest Thermostat base	
		Trim plate	
		Mounting screws and wire labels	
		Installation Guide	
	Note: if you need a steel plate to mount an electrical box, you can visit		
	Steel plate size	Width: 3.94 in (100 mm) Length: 3.94 in (100 mm) Height: 0.16 in (4 mm) Weight: 1.76 oz (50 g)	
Operating	Ambient	Temperature: -4° to 113°F (-20° to 45°C) Humidity: Up to 80%RH in packaging Pressure: Up to 15,000 ft altitude	
Green		Contains no hazardous substances RoHS compliant REACH compliant Energy Star Recyclable packaging	