

SUBMITTAL SHEET

Job Name		
Engineer		
Google Rep.		
Models		
GA05560-US (Silver Pro)	QTY	
GA05551-US (Silver)	QTY	
GA05169-US (Obsidian)	QTY	
GA05171-US (Gold)	QTY	

APPLICATION

All Models: It can control: 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); Fan (G, G2, G3); Power (C, RH, RC); Humidifier and dehumidifier (HUM, DEHUM); Ventilation (VENT). The Nest Learning Thermostat * (star) connector can accept one of these wires: W3, E, HUM, or DEHUM. The AQ+ and AQ- connectors can accept 1-wire or 2-wire VENT, HUM, or DEHUM.

SPECIFICATIONS

Terminal	Application
Y1	Stage 1 Cooling
Y2	Stage 2 cooling, 2nd Speed Fan
W1	Stage 1 Heat
W2/Aux	Stage 2 heat, Aux Heat
G	Fan
C	Common
O/B	Heat Pump Reversing Valve
* (Multifunctional Terminal)	HUM, DEHUM, Stage 3 Heat, Emergency Heat, multi speed fan
RC	24v for Cooling
RH	24v for Heating
AQ+	HUM, DEHUM, Ventilation
AQ-	Second wire for application in AQ+ terminal

Display: 68 mm (2.68 in) diameter circular liquid crystal display 600x600 pixels, 224 PPI

Indicators: Thermostat display indicates via text and color when Heating/Cooling or another accessory or function is running such as ventilation

Acceptable Storage Conditions:

- -4 degrees F to 113 degrees F
- Up to 95% humidity
- Up to 15,000 ft altitude

Temperature Ranges: Max Cooling 90 °F, Min heating 50 °F,

PRODUCT FEATURES

Pro Setup: Pro Setup on Google Home App does not require Wifi or Customer device. Automated Pro ID, Pro Contact Information on device and in Google Home App, Power Test

Smart Monitoring: HVAC System Health Monitor alerts customers to potential issues related to their HVAC Equipment

Scheduling: 7-day programmable, Smart Schedule, Fan Schedule, Geofencing, Built in Motion Sensor, Adaptive Eco

Increased Equipment Compatibility: Pro Settings, Ventilation control, Emergency Heat is supported without dedicated wire, Two Wire Ventilation and Humidifier via AQ+ and AQ-

Intelligent Features: Smart Ventilation, Natural Heating and Cooling, Adaptive Comfort, Cool to Dry, Humidity Helper, True Radiant, Heat Pump Balance, Remote temperature sensor averaging and scheduling, Demand Response Eligible via Nest Renew

Accessories: Nest Temperature Sensor Gen 2 (Included), Trim Plate (included), Electrical Box Adapter (included), Mounting Screws (Included), Nest Power Connector (not included)

Wi-Fi Communication: Provides Remote Access through Smartphone or Tablet when connected to Wi-Fi and registered to the Google Home app. Wi-Fi 802.11 b/g/n, 2.4 GHz and 5GHz Secure: AES-128, SSL/TLS, WEP, WPA/WPA2

Power: Built in rechargeable lithium-ion battery. Uses less than 1 kWh/month.

- Voltage 20-30VAC
- Startup/Max current 4VA,
- Standby current 2VA.

Battery Voltage: 3.6V or higher required for Wi-Fi connection and updates. 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.

Built in Sensors:

- Temperature
- Humidity
- Soli sensor (Motion Sense)
- Ambient light
- Nest utilizes local weather data over Wi-Fi instead of outdoor temperature sensors

Certifications:

- ENERGY STAR® Certified.
- ASHRAE 62.2
- US FCC compliance
- Canada ISED RF Compliance
- UL marking
- California CEC Backup Battery Charger System Efficiency
- California CEC Title 24 JA5 Criteria for Occupant Controlled Smart Thermostats



Dimensions and Accessories

Product	Description	Physical Dimensions (L x W x H x Weight)
Baseplate	Wiring plate to connect HVAC wires (included)	2.75" (diameter) x .5" (depth) x 1.2oz
Trim Plate	Matching trim plate to cover paint and drywall imperfections (included)	6.6" x 5.4" x 0.2" x 2.3oz
Electrical Box Adapter	Steel plate for installation on electrical box (included)	3.875" x 3.875" x 0.125"
Thermostat Display	Thermostat head unit that attaches to baseplate (included)	3.9" (diameter) x 1.1" (depth) x 5.7oz
Nest Temperature Sensor Gen 2 SKU- GA05552-US (single) SKU- GA05177-US (3pk)	Remote Temperature Sensor. Prioritize the temperature of one room, or set an average temperature across rooms like bedrooms (requires Google Home App) Max of 6 sensors per thermostat. (one sensor included)	2.18" (diameter) x 0.85" (depth) x 1.3oz
Nest Power Connector SKU- GA02493-US (US/CA)	The C wire substitute for Nest Thermostats, works on two wire heat only systems. (not included)	2.1" x 0.57" x 2.89"

What's in the box

