

SUBMITTAL SHEET

Job Name		
Engineer		
Google Rep.		
Models		
GA02180-US (Snow, Pro)	QTY	
GA02081-US (Charcoal)	QTY	
GA02083-US (Fog)	QTY	
GA02082-US (Sand)	QTY	

APPLICATION

All Models: It works with conventional systems that have one stage of heating and cooling and a second stage of either heating or cooling. It works with heat pumps that have one stage of heating and cooling and either aux or emergency heat. The Nest Thermostat */OB (star/OB) connector can accept one of these wires: O/B, W2, Y2.

SPECIFICATIONS

Terminal	Application
Y1	Stage 1 Compressor
W1	Stage 1 Heat, Aux Heat, Alt Heat
G	Fan
C	Common
*/OB	Heat Pump Reversing Valve, Stage 2 Cooling, Stage 2 Heating
R	24v Power

Display: 2.4-inch QVGA IPS liquid crystal display (240 x 320 pixels) with digital brightness enhancement film and mirrored glass lens.

Indicators: Thermostat display indicates via text and color when heating/cooling or another accessory or function is running such as emergency heat.

Acceptable Storage Conditions:

- -4 °F to 113 °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 Wi-Fi 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, Savings Finder, fan schedule, geofencing, built in motion sensor.

Increased Equipment Compatibility: Pro settings, emergency heat is supported without dedicated wire.

Intelligent Features: Home/Away Routines, Eco Temps, Savings Finder, Seasonal Savings, Heat Pump Balance, Cool to Dry, demand response eligible via Nest Renew.

Accessories: Trim plate (not included), electrical box adapter (not 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: 2 AAA 1.5V alkaline batteries. Uses less than 1 kWh/month.

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

Power Sharing: The Nest Thermostat has a power 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
- Capacitive touch
- Nest utilizes local weather data over Wi-Fi instead of outdoor temperature sensors

Certifications:

- ENERGY STAR® Certified
- 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)	2.5" (diameter) x .5" (depth) x 0.56oz
Thermostat Display	Thermostat head unit that attaches to baseplate (included)	3.3" (diameter) x 1.07" (depth) x 3.71oz
Trim Plate GA02086 Trim Kit (Charcoal) GA01837 Trim Kit (Snow) GA02087 Trim Kit (Deep Fog) GA02085 Trim Kit (Shell)	Matching trim plate to cover paint and drywall imperfections (not included, available in matching colors)	4.41" x 7.09 x 0.24" x 1.69oz
Electrical Box Adapter	Steel plate for installation on electrical box (Included in trim kit)	2.68" x 3.94" x 0.15" x 1.57oz
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



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