

## 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

