

# Smart Z-Wave Plus Thermostat

2GIG-STZ-1



## Manage Your Comfort at Home or Across the Globe

Heating and cooling account for 48% of the energy use in a typical U.S. home, making it the largest energy expense for most households. When set properly for current weather conditions, smart thermostats are estimated to save homeowners an above average 5% to 15% (and sometimes more) off of those energy costs (*energy.gov*).

The new 2GIG Thermostat is one of the easiest smart thermostats to install and is controllable by all Z-Wave hubs, including all 2GIG security systems. When integrated with the apps that control your Z-Wave hub, you can adjust your home's HVAC settings from any smartphone or tablet, whether you are sitting in your living room or in a hotel room across the globe.

### Operating Requirements

- Replace the existing thermostat by connecting the wires to the corresponding inputs
- 4 AA batteries or connection to the 24 VAC "C" wire from the HVAC System

Using the battery-powered version, low-voltage integrators can connect the thermostat to 95% of HVAC systems without the help of an electrician or HVAC contractor. Its flexible design also allows for the thermostat to be powered by the HVAC systems 24VAC "C" wire, if desired.

### Compatibility

- Works with all Z-Wave Hubs, including 2GIG GC2e, GC3e, and GC3 security panels.

# 2GIG SMART Z-WAVE PLUS THERMOSTAT SPECIFICATIONS & TECHNOLOGY

## Thermostat Features

Display	Fixed Format Display with white backlight
Display Options	Heating and Cooling Setpoint, or Clock, humidity display option
System Mode	Off, Heat, Cool, Auto, E-Heat
Fan Mode Display and Control	Auto and On
On-Screen Setup of	HVAC Type, Fan Type, Changeover type for HP systems, humidification support, F/C mode and sensor calibration

## Thermostat Specifications

Power	Battery or 24V AC powered: Compatible with the vast majority of Central HVAC systems
Z-Wave Frequency	908.42 MHz, 916 MHz
System Compatibility	Central HVAC systems or separate heating/cooling systems with separate RH/RC transformers (split)
Standard Gas/Electric HVAC	3 stage heating, 2 stage cooling
Heat Pump HVAC	3 stage heating, 2 stage cooling
Fan System	Selectable for gas or electric heat systems
Heat Pump Change Over Valve (Reversing Valve)	Selectable for change over with heat or change with cool (O or B output)
Emergency Heat	In Heat Pump mode, Emergency Heat mode is selectable from the thermostat
HVAC System Protection	Compressor short cycle protection delay of 5 minutes (adjustable)
Temperature Setpoint Range	Heat Set Point: 32 – 90 °F (0 – 32 °C) Cool Set Point: 61 – 122 °F (16 – 50 °C) Setting resolution: 1°F (0.5°C)
Relative Humidity	5-95% Non-Condensing

## Package Contents

- 2GIG-STZ-1
- 4 AA Batteries
- Mounting Hardware
- Installation Manual and Quick Start Guide

Specification and availability subject to change without notice

## Power Requirements

Input	4 AA Batteries or 24V AC “C” Wire from HVAC system
Note	24V operation requires both 24VAC (R) and 24VAC common (C) wires from the HVAC System. <b>DO NOT used batteries when using 24V power.</b>

## Wiring Requirements

Standard HVAC Connections	C, RC, RH, W1, W2/O, Y1, Y2, G, W3, HUM+, HUM-, 18 AWG
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## Enclosure

Material and Certification	ABS Plastic
Color	White
Dimensions	5.75 x 4.5 x 1 in (14.6 x 11.4 x 2.5 cm)
Weight	1 lb (4.5 kg)

## Compliance

United States	FCC
Canada	Industry Canada
Z-Wave Plus V2	

