

EMS Series

Temperature SMS gateway

GSM based temperature monitoring and alert system



General Description

Simtelic's Temperature SMS Gateway allows you to remotely monitor and automatic alert generation of temperature via SMS or mobile application of an indoor facility. This is the perfect solution for commercial and industrial locations where, there is an active GSM reception. Simtelic's Temperature SMS Gateway is specifically designed to respond to the increasing market need for global technology that accommodates multiple application segments and remote wireless temperature sensing solutions.

Highlights

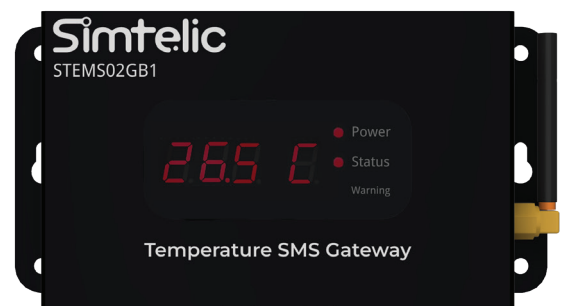
- Plug & Sense, no hassle set-up.
- 2 Physical sensors with industrial grade connections.
- No PC required for operation.
- Local status LEDs with power and GSM status indicators.
- AC power supply.
- Device reset with physical button or Secret key.
- In-Built temperature display (configurable to display in Celsius and Fahrenheit).

Features

- Automatic temperature alert generation via SMS.
- Temperature can be monitored instantly via SMS or mobile application.
- Temperature threshold limits can be configured by the admin user.
- Up to 10 users.
- Inbuilt Temperature display.
- Convenient installation.

Applications

- Commercial Facilities monitoring
- Server room temperature monitoring
- Data Center Monitoring
- Storage facility monitoring
- Manufacturing facility monitoring



Main Gateway device



Temperature sensing element (two quantity)



sensor connector with 1m cable

Product Specifications – STEMS02GB1

Technical Specifications of the Temperature sensors

Number of sensors	2 sensors
RTD Temperature Range	-55°C to +125°C (-67F to +257F)
Accuracy @ 10°C to +85°C:	±0.5°C
Usable temperature range	-10 to 60°C (-14°F to +140°F)
Length of a sensor cable	1m
Connector of sensors	3 pin aviation connectors
Type of sensor	Digital Temperature sensor
Sensor housing	Stainless steel

Wireless Communication

Mode of communication	Quad-band GSM
Support bands	Quad-band 850/900/1800/1900MHz
Antenna	2.4GHz GSM Antenna
Protocols	Short Messaging Service (SMS)
Connection	Micro Sim card

Electronics

Controller	Microcontroller
Communication	On board GSM module
Display	4-digit 7 segment display
LED indicators	Power, GSM status and Warning

Functional Specifications

Emergency temperature alert	Available up to 10 registered numbers
Number of temperature threshold limits	2 levels can be configured

Mechanical

Enclosure	Powder coated steel
Display screen	Partially tinted clear acrylic
Colour	RAL 9005 (Matte black)
Form factor	Wall mount
Size of the gateway device(WxHxD)	200mm x 100mm x 45 mm (7.87 in x 3.94 in x 1.77 in)
Size of a sensor (Length x Diameter)	50 mm x 6 mm (1.97 in x 0.24 in)
Weight	750 g (1.65 lb)
Airflow/cooling	Fanless

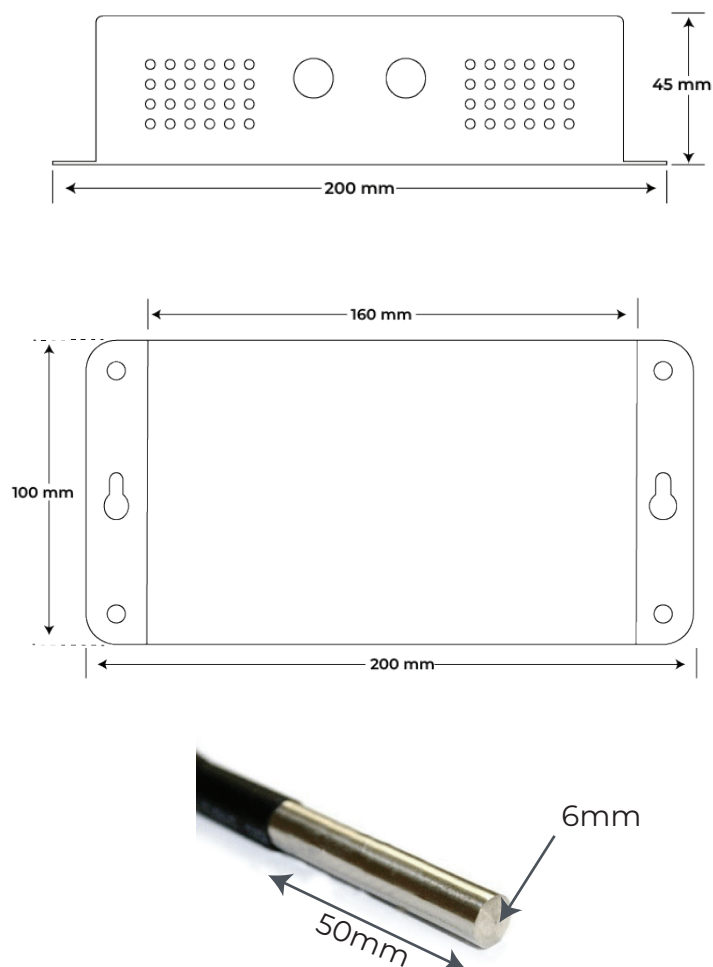
Power

Power supply	DC
Rated DC voltage range	12V – Male barrel connection
Back up battery	N/A
Average power consumption	5W

Environmental

Operating Temperature of the device	40°C ~ 85°C
Nonoperational temperature	-40°C to 70°C (-40°C to 158°F)
Operating humidity	95% RH non-condensing

Product Dimensions



In the package

- SMS gateway
- 2 Temperature sensors
- GSM antenna
- 12V DC power supply
- User guide
- Installation guide

Warranty

Simtelic EMS family devices are covered by a 12-month hardware warranty.

Legal Disclaimer

Product features, functionality and specifications may change or be discontinued without notice. Nothing in this document shall be deemed to create a warranty of any kind, either express or implied, statutory or otherwise, including but not limited to, any implied warranties of merchantability, fitness for a particular purpose, non-infringement of third-party rights or availability with respect to any products and services.

About Simtelic

Simtelic is committed to driving positive change by developing and delivering innovative, affordable, and user-centric technology solutions that not only enhance lives but also set new benchmarks for quality and uniqueness across various industries.

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