

Model: RTU5023

Name: GSM 3G Environment Alarm

Inquiry Onsite Environment with a FREE Call from Your Mobile Phone!

Interval Report Onsite Environment to Your Mobile Phone by SMS!

Remote Reset, Remote Reboot, Automatic Reboot Periodicity!

High-Low Temperature Humidity Voltage with SMS Alert!



The GSM 3G SMS Environment Alarm is special for remotely monitoring onsite temperature, humidity, power status through wireless GSM Network. When the temperature, humidity, power voltage exceed high threshold or low threshold value, will send SMS alert to upto 10 preset mobile phone immediately.

Just dial from Authorized User number, the GSM 3G Environment Alarm will reject at the first "Ring", no communication cost, and then return the current temperature, humidity, power status or voltage. Moreover, it can report onsite environment interval or daily.

The GSM 3G Environment Alarm can be used for solar power monitoring, DC power voltage monitoring, temperature monitoring, humidity monitoring, Class Room, Public Room, Waiting Room, Hospital, Stations, Fresh Food Warehouse, Office, Meeting Room, Laboratory, Library and anywhere that need monitoring temperature or control temperature in expected range.

Mainly Features of the GSM Environment Alarm:

1. Can be operated from anywhere, no distance limitation;
2. No call charges for inquiry. the GSM Environment Alarm rejects the call from authorized number then return onsite temperature, humidity, and power voltage on the first 'ring';
3. Multiple applications. (temperature, humidity, power status, solar panel, dc voltage);
4. Up to 10 authorized phone numbers, 5 can be used to receive call or SMS, and 5 can be used to call and SMS while alarm occurrence;
5. One Temperature & Humidity sensor input, measures temperatures from -40-80°C, 0.5°C accuracy, Relative Humidity from 0-99RH%, accuracy is 3%;
6. External AC Power status monitoring, AC On/OFF will send SMS to authorized phone numbers;
7. Inbuilt MCU monitoring the DC input Voltage value, measure range is 9-24VDC, no need additional sensor to save cost;
8. Timer Report—Can setup every x hours automatically send its status/Value to the authorized numbers;
9. Support remotely read historic data via SMS;
10. Rechargeable Backup Battery inside can last 8 hours;
11. Secure - Using caller ID and password for identification, unknown callers are ignored;
12. Programmable by SMS Commands or APPs with password protection;
13. Based on GSM Network, applied to many applications.
14. Remote Reset via SMS, Remote Reboot via SMS, Automatic Reboot Periodicity.

Specifications of the GSM Environment Alarm:

Parameter item	Reference scope
DC Power supply	9~24VDC, recommend 12VDC1A
Power consumption	12V input Max. 50mA/Average 30mA
Frequency range	2G :850/900/1800/1900Mhz 3G :W :900/2100Mhz C :850/1900Mhz T :850/2100Mhz

SIM Card	Supporting 3V SIM Card
Antenna	50 Ω SMA Antenna interface
Temperature range	-40-+80 °C
Humidity range	Relative humidity 0~90% (condensation free)
Temp&Humidity Sensor	Temperature&Humidity Sensor, Model :AM2301 ,Temperatures from -40-80°C (0.5°C accuracy) ,Relative Humidity from 0-99RH%, accuracy is 3%.
Backup Battery	900mAH, last 8hours
Exterior dimension	W130mm*D74mm*H27mm
Net Weight	300 g

Standard Package list of the GSM Environment Alarm:

GSM/3G Environment Alarm X 1

GSM/3G Antenna X 1

Backup Battery X 1 (Inbuilt)

AC/DC adaptor(12V1A) X1

User Manual X 1

Note: The package does not include any SIM card.

Optional:

AM2301 Temperature &Humidity Sensor, cable length 1m;

AM2305 Temperature &Humidity Sensor, cable length 5m;

AM2320 Temperature &Humidity Sensor, cable length 20m;