

SECURITY ALARM SYSTEM: ST- GSM

GSM SECURITY ALARM SYSTEM

EASY TO INSTALL, SAFE TO USE AND SIMPLE TO MANAGE.



1. Product Overview

Intelligent wireless GSM security alarm host designed for residential and commercial security applications. The system supports wireless and wired alarm zones, GSM voice/SMS notification, remote control via mobile phone, remote controllers, customized voice messages and relay control.

2. Key Features

- GSM-based remote alarm notification by SMS and telephone call.
- Wireless and wired detector support.
- Remote arming, home arming and disarming.
- SOS / emergency alarm function.
- Customized voice alarm message.
- Built-in rechargeable backup battery.
- Alarm event recording / query function.
- Scheduled arming and disarming.
- Support for PIR, magnetic door, smoke, gas and emergency detectors

3. Specifications

ITEM	ST-GSM/G3
Product Type	Wireless GSM Security Alarm System
GSM Band	Quad Band: 850 / 900 / 1800 / 1900 MHz
Power Supply	DC 12V / 1000mA
Standby Current	< 100mA
Alarm Current	< 500mA
Wireless Frequency	315MHz / 433MHz (depending on version)
Backup Battery	Built-in rechargeable lithium battery
Alarm Siren	Up to 110 dB
Wireless Zones	Up to 99
Wired Zones	2–4, depending on model
Telephone Numbers	Up to 6 groups
Remote Controls	Up to 90
Voice Message	6-second customized voice recording
Alarm Notification	SMS and voice call notification
Remote Operation	Mobile phone and remote-control operation
Relay Output	Available on applicable models; NO/COM relay output

4. Wired Interfaces – G3 Wiring Diagram

Specification	Description
L1	Wired arming area 1
L2	Wired arming area 2
GND	Negative power terminal
12V	12V power output for external wired detectors
COM	Relay common terminal
NO	Relay normally-open terminal
Relay Output	Single-channel normally-open relay output for controlling electrical appliances, external horn or light according to programmed linkage
SIM	SIM card socket for GSM communication
DC Power	12V DC power input socket

5. Installation Notes

Specification	Description
Host Location	Install the host in a central location relative to wireless detectors where practical.
Interference	Keep the host away from large metal objects, strong RF interference sources and concrete/steel barriers as far as practical.
SIM Installation	Insert the SIM card according to the manual before system operation.
PIR Installation	Recommended mounting height is approximately 2.2 m; corner mounting is preferred.