

User Manual

GSM Emergency Alarm System

Model:WL2001

Date:2010-09-15

Profile

For a better understanding of this product, please read this user manual thoroughly before using it.

. General information:

1. Adopt GSM communicator, no distance limit to alarm.
2. Support GSM/CDMA mobile phone.
3. Can per-set 5 phone numbers of user/ police/ monitoring center (no longer than 16 character each number). If an alarm occurs, numbers will be dialed in order.
4. Remotly arm, disarm, panic alarm
5. Control the system by a mobile phone anywhere, anytime.
7. For weak GSM signal area an external antenna can be used.
10. Easy to be installed and operated.
11. No need for fixed telephone line, only GSM Network is present,so is very suitable for cottage, house, shop, garage, etc.

. Installation guide:

1. Insert SIM card in main panel

Open the back cover. And insert the SIM card.

Attention! Metal contacts of the SIM must be down. Check it to be inserted correctly. Before insert SIM card in the host, using a mobile phone to do the following steps:

- Set PIN code request to off
- Delete all stored phone numbers
- Store for phone numbers (up to 5 numbers), which will be dialed out in sequence when alarming.

2. Coding wireless sensors (Registering wireless sensors with alarm host)

Add a new sensor (remote controller/wireless door sensor, wireless PIR detectors) to the system:

- Plug on 12V supply at alarm system

STATUS light will change from orange to green (reaching the web).Press "reset" button for 2 second(the LED turn green to red).

During this time make sensors to work (press any button on remote controller, make PIR and gap sensors (move the two parts of door sensor) to work). They will be recognized and coded in the system.

After 20s system is ready to work when the Status light turns green.

Test all sensors and repeat above procedure for any sensor, if is necessary.

Maximum number of wireless sensors that can be coded by system is 10 pcs.

But you can register countless wireless sensors by changing sensors' ID.

3. How to distinguish 4 LEDs on the main panel?

ALARM: It shows the working status of siren. If siren is triggered, this LED will be on.

MONITOR: When it is on, it means the system is in the status of listening-in.

STATUS: It shows the signal status. At the first beginning, it is red which shows the system is searching for GSM network and then it will turn green when it finds GSM network. At this moment, the GSM alarm system is ready to work.

POWER: This LED will be on when the system is switched on.

.Advanced Instructions

1. Resetting the system

NOTICE! After reset the system all coded information and messages will be lost.

System will be loaded with basic factory settings. The passwords will be back to

the original default-1234. You must code/register all wireless sensors again after reset.

Reset procedure:

- System must be disarmed.
- Press reset button and keep it pressed.
- Plug off 12V supply from alarm system.

- Plug on 12V supply at alarm system again, alarm LED will have a brief flash.
- Release reset button and let system LED to become green.

Now system is reset and back to factory settings.(the passwords is 1234)

2. Setting telephone numbers

Delete all the telephone numbers in the SIM card, and put the 1~5 groups telephone No. Each group cannot over 16 digitals.

3. Program the system functions

Call the alarm system. After one ring the host answer and a beep will be heard.

You have to input a PIN code and # at the end for security purpose. Default PIN is 1234.

At first log in, please dial 1234#.

NOTICE! This PIN code is for alarm system NOT for SIM card.

System responds with sound "beep" (digital voices are available for some areas) and then you can input the following commands:

5# : set SMS function on (default)

5* : set SMS function off

6# - set with phone function on when alarming

6* - set without phone function when alarming

8#abcd#: set new PIN. E.g.: 8#8686# --set new PIN code as 8686.

Note: It is wise to change PIN code at first login in alarm system.

9* : Monitoring the spot voice.

9# : stop monitoring

0# : arm the system

0* : disarm the system

4. Using the system

Arm:

When you press, "🔒", the signal LED of control unit will be turned green with flashing. It shows it is in arming status, at this moment, it will alarm and dial out if you remove the door sensor, switch the PIR sensor, go across from the front of camera and so on. The LED will turn to red, which shows it is in alarming status.

Disarm

When you press, "🔓", the signal LED will be turned green and does not flash. At this moment, it won't alarm and dial out.

Emergency help

When you press "📞", the signal LED will be red with flashing, which means it is in alarming status .

. Standard components and optional available components

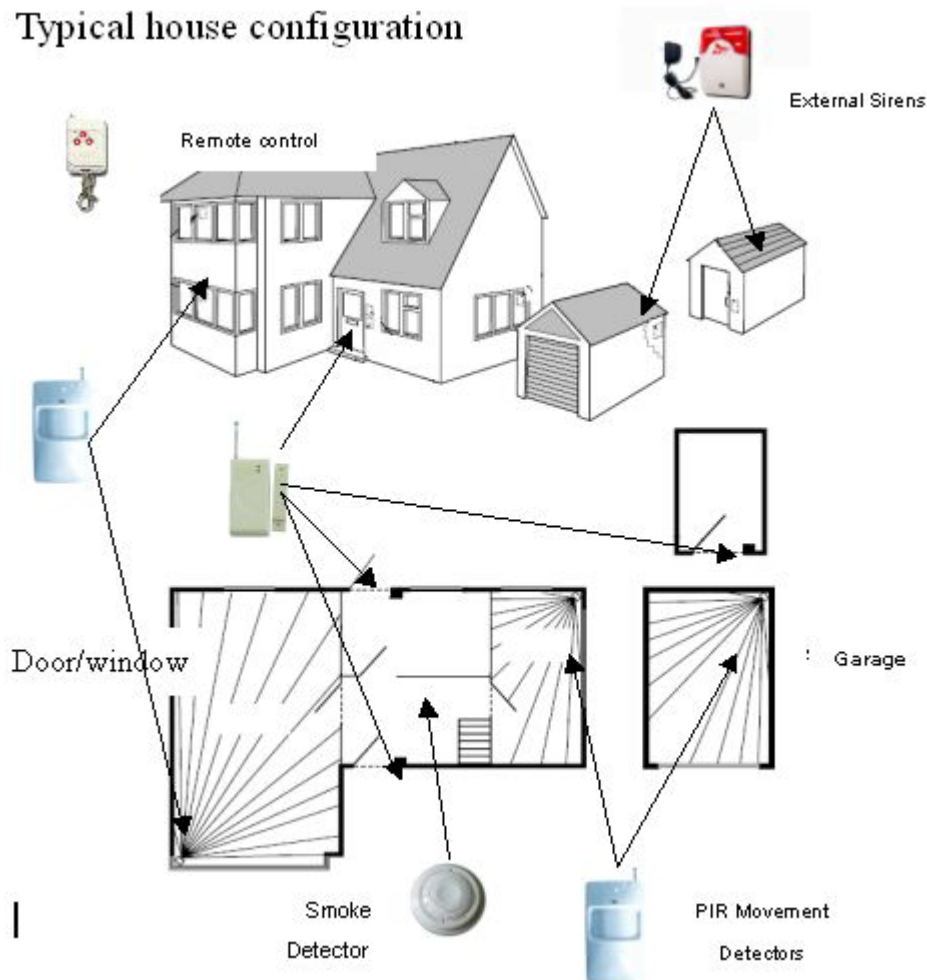
1. Basic Kit contains:

- Alarm system (alarm host) – 1 pc.
- Power supply with back-up – 1pc.
- Users' Manual- 1pc

The following sensors can be optional:

Optional sensors/detectors are packed separately. It includes remote controllers, wireless PIR, wireless gap sensor, wireless gas detector, wireless smoke detector, panic button, baluster, etc. you may buy according your specific requirements.

Typical house configuration



Technical Parameters

Main panel

Static current:20mA

Power:9V-12V DC

Working temperature:-10 ~ +40

GSM:900/1800MHz band

Receiving code: ASK

Frequency: 433MHZ

wireless distance: 100 M

wireless detectors:16

wire detectors:3

Remote Control

Power Supply : DC=12V~8.4 (Inside A23 DC=12V dry battery)

Static Current : 11=0

Emission Current : $12 \leq 15$ mA

Emission Frequency : $f=315 \pm 0.2$ MHz

Emission Speed : $T \leq 1$ second

Emission Distance : Without obstruct 80m

Working Environment: Temperature -10 ~ +40

Humidity $\leq 90\%$

Symptoms	Causes	Remedies
Cannot alarm by phone	<ol style="list-style-type: none"> 1. Hasn't armed 2. Less than 30 seconds after arming. 3. Set wrong phone num 4. The two parts of door>window sensor is installed too far from each other. 5. Haven't activated PIR. 6. Hasn't checked code 	<ol style="list-style-type: none"> 1. Make arming 2. Operate after 30 seconds 3. Set the num again according to the manual 4. Adjust the installation place of the door sensor 5. Activate the PIR 6. Check code again
Remote controlling distance is too short and the light indicator is not on strong enough	<ol style="list-style-type: none"> 1. The battery of remote controller 2. Low battery 	<ol style="list-style-type: none"> 1. Clean the rust 2. Change battery
Light indicator of door sensor and PIR is always on.	Low battery	Change battery
Dial alarm num slowly	The main panel has stored others num	Set it again according to the operation manual
The main panel cannot receive accessories signals	Hasn't checked code	<ol style="list-style-type: none"> 1. Check the code again

Notice :

- Don't install the system beside the strongly disturbing equipments like motor, computer etc.
- Should be installed in a concealed place.
- Should be plug firmly and ensure well dissipation
- Only designed for indoor