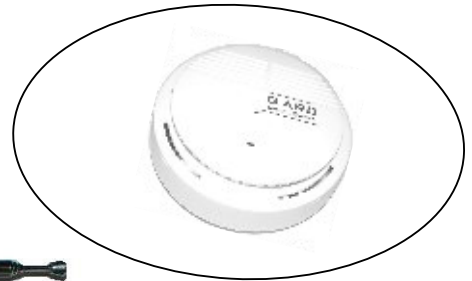
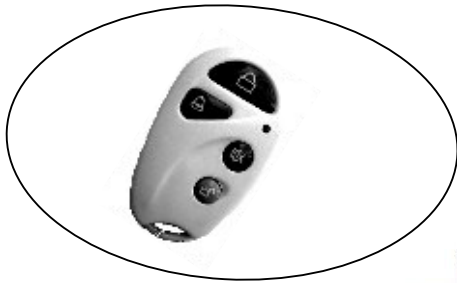


G'ARD

Security System

Model L-1000

Wireless Security Alarm System



USER'S MANUAL REV 2.0

USER'S MANUAL

Model: L-1000

Introduction:

G'ARD Wireless Security System adopts microcomputer control technology, and is very easy to set up and operate. It is widely used in homes, shops, offices, and many other places. It uses a phone system to send out an alarm message and it is highly reliable. This system is capable of 6 Zones and will automatically contact the preset numbers in an event of break-in.

Functions:

1) Automatic dialer:

In an event of break-in, the host will dial the preset telephone numbers automatically informing of any break-in. The host will stop dialing if any of the 6 number answered and the '#' key press.

2) Back-up power supply

The host is equipped with a UPS power adapter to prevent any electrical failure.

3) Listen-in (in-spot)

You can monitor the host surroundings by calling back your house phone. The host will automatically answers after 3 rings.

4) Cut line alarm:

When the telephone line is cut, the host will sound the alarm.

6) Long-distance phone monitoring:

The host can be monitored by using the telephone. It can perform functions such as, Arm, Disarm, in spot listening and etc.

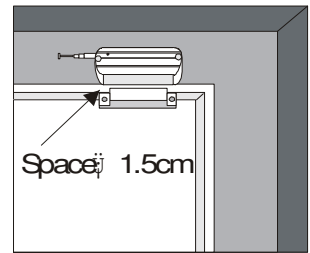
System configuration

Main unit installation

1. Connect the telephone line to the host (connect telephone line first before connecting the power).
2. Install all detectors at suitable location while making sure that there are no interferences of signal from other electrical appliances.
3. The main unit and wireless detectors should not be place near to metal objects as this will shorten the receiving distance.

Door gap detector installation

1. Clean the place you wish to install the sensors/detector. Peel off the double side tape and affix firmly.
2. Door/window gap detector should be mounted on the door/window, then mount the magnet on to the doorframe. The door/window gap detector indicator light should respond to the doors/windows when open.
3. The gap between the detector and magnet should not be more than 1.5cm when the door closed.
4. After installation, the LED will flash for 1 second when you open the door/window, shows the installation successfully installed.

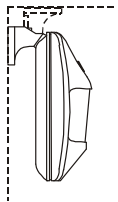


PIR Detector Installation and Setup

1. Installation

Place the PIR in the bracket above floor height between 1.5 to 2.2 meters. Adjust the angle accordingly to the intended area of surveillance.

Installation sketch picture



Note: When the battery is weak, the light will flash 2 times in 3 second interval. Replace the battery with the same rated battery.

Remote control

Remote control can arm, disarm, separate arm and has an emergency button.

1. Disarm



When the disarm key is press, the main unit will disarm. The main unit will not receive any sensors/detectors information.

2. Arm



Press arm key - the main host will be in an arm status.

3. Sub-area Arm



When the button in the remote controller is press, the sub-area arm mode is arm. In this mode, only the magnetic detector zone is arm. The PIR will not operate.



4. Emergency arm



Press this key for two seconds - The main host will be activated and automatically dial the preset numbers without sounding the siren.

Pairing with Host

1. Magnetic detector/PIR/Smoke detector.

To enable the detectors to function properly, the detector and the host must be paired. This enables the host to recognize the paired detectors. Press the 'Study key' once, the 'ARM' light will illuminate, and then activate the detectors and the 'ARM' light will flash shows the pairing successful.

2. Remote controllers.

Perform the steps as above except press the 'Study key' twice and then press any key on the remote control.

3. Zone deletion.

To reset the host back to factory settings, press the study key until the ARM light goes off (approx 15 seconds). The host is now reset to default settings. The remote controller and detectors will not function until the Host is pair with the remote controller and detectors

Password modification

1. The pin code is set 123456 as default, To change, press the set key for 5 seconds. There will be 4 beep sounds. Lift the phone handset and key in a six digit pin follow by '#9' to confirm. Eg. If you intend to set the pin as 123456, you will need to key in as follows; '123456#9. There will be a beep sound confirming the pin accepted.

Alarm phone number setup

The host is capable of 6 preset telephone numbers. In the event the first number is engage, it will automatically dial the next preset numbers until one of the six numbers answered. To preset, follow the following step; press set key once, there will be two beep, lift up the telephone handset and key in the numbers follow by #1 eg, (0121234567 #1). This will save the first number. For the second number, key in the phone number and follow by #2 and so on. For extension number, the '*' key can be used as a delay.

Receive alarm operation:

If the alarm unit is triggered, the host will automatically dial the preset numbers. The receiver can complete the following functions by key in the following:

- Press '*'*' to listen-in in spot, The in spot listening will last 16 seconds.
- Press '*6' listen or re-listen the recorded contents.
- Press [9] to sound the siren again.
- Press[#] [#] to cancel alarm (between the # to #, pause for 2 sec)

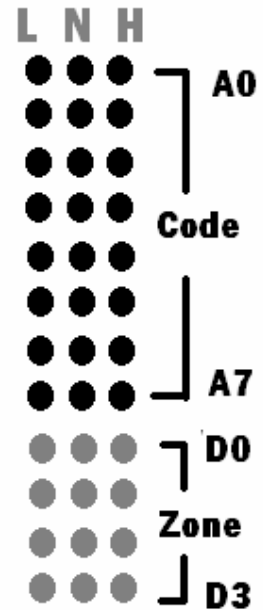
Long distance Arming/Disarm/In spot listening.

To operate from telephone, first dial your host number. After the host get connected (1 beep), key in the pin number follow by # key. You will hear 2 beep means correct and 5 beeps means wrong pin. After key in the correct pin you can perform the following functions:

- Press [1] to ARM the host (1 beep)
- Press [2] Partial ARMING (2 beep)
- Press [3] to DISARM to host (3 beep)
- Press [9] for In Spot Listening-(8) secs
- Press [#][#] to hang up the host (Press # pause for 2 secs and # again). The host will automatically hang up after 16 secs.

Zone Setup for detectors (Magnetic, PIR, Smoke, Gas and etc)

Function zone	Data code (K3-k0)
Zone 1 Reserve for PIR (will not function on sub-area arm)	D0- NH D1- NH D2- NL D3- NL
Zone 2	D0-NH D1-NL D2-NH D3-NL
Zone 3	D0-NL D1-NH D2-NH D3-NL
Zone 4	D0-NH D1-NH D2-NH D3-NL
Zone 5	D0-NH D1-NL D2-NL D3-NH
Zone 6	Wired (reserved)



Troubleshooting

Problems	Solutions
Host not working, no light, no status	1. Check the power adapter.
Remote controller not working	1. Unscrew the remote controller and open the cover. Clean the battery terminal. 2. Replace battery
Magnetic detector not working	1. Check the location of the detector. Make sure the door gap is not more than 1.5 cm apart. 2. Remove the back cover and check battery condition. Replace the battery if necessary.
PIR detector not working	1. Check the location of the detector. Make sure the height of the PIR is as per required. 2. Remove the cover and check battery condition. Replace the battery if necessary. 3. Make sure the PIR is not face to direct sunlight, ventilation windows and height must be more than 1.7 m
Host cant receive	1. If the detectors are place too near/far from the host, pull the antenna of the host and detector.
False alarm	1. If false alarm occurs to the system, perform the following: a. Reset the jumper setting of the detectors (Magnetic,PIR Smoke etc). The jumper are allowed to be reset are the CODE jumpers (A0 to A7) b. Delete all zones by pressing the study key until the Arm light goes off. c. Pair the remote controller and the detectors are per instruction.

Technical Specifications:

1) Main Unit:

Working voltage: DC12V
Static power: $\leq 0.5W$ (dc=12v)
Working temperature: $-10^{\circ}C \sim 55^{\circ}C$
Wireless receive frequency: 315 MHz(± 1 MHZ)
Dialing way: DTMF
Maximize power for output(siren): 10W
Dimension :150mm*145mm*35

2) Power Supply

Input AV:220V $\pm 15\%$ 50HZ
OutputDC:12V

3) Detector:

Static current: $\leq 30\mu A$
Alarm current: 15mA
Launch frequency: 315 Mhz ± 0.075 Mhz
Efficiency detect distance : 8m x 8m
Frontage of detector :25°
Wireless data transmission distance: up to150 m(extraventricular)
voltage:DC9V

4) Remote controller

Supply voltage :DC:12v (3A/27A battery)
Static current:0
Launch current: <15mA
Launch frequency: 310MHZ (± 0.075 MHZ)

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