

Appendix A

GSM Home Alarm Base with Text (II)

MANUAL



Functions

- GSM 850/900/1800/1900 BANDS ALARM BASE FOR THE WORLD
- FULL DUPLEX COMMUNICATION WITH THE BASE
- MONITOR LIVING SURROUNDINGS
- VOICE AND MESSAGE ALERT
- SET ALARM ON OR OFF BY CONTROLLOR
- CALL IN SET ALARM ON, OFF, MONITOR, OUTPUT
- SEND SMS TO SET ALARM ON, OFF, MONITOR, OUTPUT
- 5 GROUP PHONE + ROOM NUMBER

- 1 GROUP ALARM CENTER MONITOR PHONE
- 2 GROUP PHONE TO REPORT ALARM AND DISALARM STATUS
- PROGRAMABLE 7 GROUP ALARM TEXT MESSAGES
- 3 ZONE FOR WIRE DIRECTOR
- 16 ZONE FOR WIRELESS DIRECTOR
- EASLY SET ON OR OFF EVERY WIRE OR WIRELESS DIRECTOR
- 1 RELAY OUTPUT TO POWER ON CAMERA WHEN ALARM
- 2 OUTPUT FOR COOKER、 AIR CONDITION
- SMS INFORM EXTERNAL POWER FAILURE OR RECOVERY
- INDOOR AND OUTDOOR ALARM CONTOLLOR

Configuration of the base

There are 10 connectors outside the back of base:

(GND; SIREN; RELAY1; RELAY2; SPEAKER; O2; O1; I3; I2; I1):

I1; I2; I3, this 3 point for line input, every one point can be connected with ground or open to make alarm out.

O1; O2; these 2 point for output, you can call in or send the SMS to set it . If this point output go high, the lamp of OUT 1 or OUT 2 will light in the panel.

SPEAKER; this point for voice output, it connect to the speaker .the other point of speaker connect to ground.you can control it by call in or send the SMS. If this function avail, the lamp of OUT 3 will light in the panel.

RELAY1; RELAY2, this two point will close 3 minute when alarm happened .you can use this two point to start the power supply of the camera when alarm happened,but you can disable this function by set 16#1#,you can also make this relay close or open anytime by send the SMS or dial (94#1# or

94#0#).

SIREN, this point can output siren tone alarm, this connect to the siren .the other point of siren connect to ground.

GND, power ground



How can I start the base?

1. Delete all telephone Numbers and messages in the SIM card memory or buy a new card. Insert SIM card into the base.
2. Connect antenna with the base.
3. Insert the power supply, which need 9V—12V DC, must be over 1000mA current. The signal status LED turns to red and last for 20 seconds, this status waiting program wireless dector into the base, After 20 seconds, the signal status LED is flashing in orange ,it show to check SIM card and search GSM network, when it finish check the base, if the signal status LED change slow flashing in green, this show phone number have saved in the base, and the base is in alarm status .if the signal status LED is go still green ,this show phone number have not saved in the base, and the base is in disalarm status .you mush dial in or send the SMS to program the phone number. you use controller to set the base in alarming or disalarm.

How can I setup the alarm phone number and SMS?

1. you can send the message to the base to setup the 5 group alarm phone

number and 7 kinds of SMS . The format: password #operation code # content #

123456#51# 13905950001#. save first group alarm phone number into the base.

123456#52# 13905950002#. save second group alarm phone number into the base.

123456#53# 13905950003#. save third group alarm phone number into the base.

123456#54# 13905950004#. save fourth group alarm phone number into the base.

123456#55# 13905950005#. save fifth group alarm phone number into the base.

2. Set PSTN monitoring center:

You also can save: phone number # room No. #, it will dial the room number when alarming.(for the users whose alarm system is working with monitoring center)

123456# 71# 88886666 # 0001 # , show monitoring center:88886666; room No.0001

3. We have fix 7 kinds of SMS in the base ,but you can change it.

The first five messages are for 1-5 zone wireless detectors , The sixth messages are for 6-16 zone wireless detectors ,The seven message are for wired port I1, I2, I3.

The first wireless detectors alarming, the message is: wireless detectors activated (zone 1)

The second wireless detectors alarming, the message is: wireless detectors activated (zone 2)

The third wireless detectors alarming, the message is: wireless detectors activated (zone 3)

The fourth wireless detectors alarming, the message is: wireless detectors activated (zone 4)

The fifth wireless detectors alarming, the message is: wireless detectors activated (zone 5)

The sixth to sixteen wireless detectors alarming, the message is: wireless detectors activated (zone i);I=6-16

The seventh wire detectors alarming, the message is: wire detectors activated (zone i);I=1-3, for port 1 to 3 alarm

3. you can send the message to the base to rewrite 7 kinds of SMS, Every message cannot be more than 24 English characters.

123456#81# Front door open#. save first group message into the base as first wireless detectors alarming.

123456#82# Middle door open#. save second group message into the base as second wireless detectors alarming.

123456#83# Back door open#. save third group message into the base as third wireless detectors alarming.

123456#84# Front window open g#. save fourth group message into the base as fourth wireless detectors alarming.

123456#85# Back window open#. save fifth group message into the base as sixth wireless detectors alarming.

123456#86# Middle window open#. save sixth to sixteen group message into the base as sixth wireless detectors alarming.

123456#87# Up float open#. Save seventh group message into the base as port 1 to 3 wire detectors alarming.

How can I test the base alarm out?

When you start the base, if the base is in disarm status, the signal LED still green, you can use controller to change the base into alarm status, or you may sent SMS (123456#1#1#) to the base to change the base into alarm status, the signal LED shange green flash .

1. Under the arming state, with green LED on, any port of input (I1, I2, I3) touches ground or let it open, or wireless detectors has been activated, or you push emergency key of the controller ,the alarm system will send alarm information by SMS, and dialing out stored telephone numbers.
2. It will send SMS before dial alarm phone numbers. If the SMS has been closed or limited, It can only dial out the preset telephone numbers. You can make them disarm with remote controller.
3. When there is alarm, you can answer the phone (not need inter password)for listen-in, remote control , press 3# 1# to make the base to play the siren and press 3# 0# to stop it , press 4# 1# to Start to listen-in and press 4# 0# to stop it , press 93# 1# to Start to talk with base and press 93# 0# to stop it .
4. When there is alarm, you can answer the phone(not need inter password),if you do not need the base dial next phone number

programmed in the base, you just press 1# 1# or 1#2# to re-turn the base in in alarm status.

5. When there is alarm, you can use the controller to change the base into disarm status when you are in nearby .
6. In normal use with inside recharger battery, you will receive the message ‘external power failure’ or ‘external power recovery’ when external power supply lost or recovery.

How Can I control the base?

1. Sending the message to the host phone number (SIM Card number)

Send the message to the base :enter password 123456# ,add the following command to set the base;

2. calling the host phone number (SIM Card number)

Call in the base and enter password 123456# ,then input the following command to set the base:

Com	Function	Com	Function
1#1#	Outdood alarm* (all detectors work)	1#2#	Indoor alarm (part detectors work)
1#0#	Disalarm *(all detectors not work)		
3#1#	Sounder immediately	3#0#	Stop Sounder
4#1#	Start to listen-in (use phone key)*	4#0#	Stop to listen-in (use phone key)
11#1#	Need siren sound when	11#0	No siren sound when

	alarming *	#	alarming
12#1#	Sending SMS when alarming *	12#0 #	No Send SMS when alarming
15#1#	Dial phone number when alarming *	15#0 #	Just alarm and no dialing
16#1#	Disable Relay close 3 Min when alarm	16#0 #*	Set Relay close 3 Min when alarm*
17#1#	Set PSTN monitoring center avail	17#0 #	Set PSTN monitoring center disavail*
18#1#	Dial out whan base change to alarm status	18#0 #	Not dial out whan base change to alarm status*
19#1#	dialing whan base change to disalarm status	19#0 #	Not dial out whan base change to disalarm status*
30##	show the alarm and disalarm status of every zone		
31#--#	Change password. Enter a new password (1—6 bit).		
38#--#	Set on alarm of zone (wireless zone: 1—16; wire zone: 21—23)		
39#--#	Set disalarm of zone (wireless zone: 1—16; wire zone: 21—23)		
50##	show preset phone number in the base		
51#--#	First group phone number(0—15bit)	52#-- #	Second group phone number(0—15bit)
53#--#	Third group phone number(0—15bit)	54#-- #	fourth group phone number(0—15bit)
55#--#	Fifth group phone		

	number(0—15bit)		
70##	show center phone number. in the base		
71#--#	Set PSTN monitoring center phone number. 71# center number # --# room No. #		
78#--#	Set Dial out phone number when you make base change to alarm status(this phone do not answer)		
79#--#	Set Dial out phone number when you make base change to disalarm status(this phone do not answer)		
80##	show preset SMS in the base		
81#--#	First group Message(0—24bit)	82#--#	Second group Message(0—24bit)
83#--#	Third group Message(0—24bit)	84#--#	Fourth group Message(0—24bit)
85#--#	Fifth group Message(0—24bit)	86#--#	Sixth group Message(0—24bit)
87#--#	Seventh group Message(0—24bit)		
90##	show Output status in the base		
91#1#	Set Output 1 change to high	91#0#	Set Output 1 change to low
92#1#	Set Output 2 change to high	92#0#	Set Output 2 change to low
93#1#	Set talk to the base avail	93#0	Set talk to the base

	(Output 3)	#	disavail (Output 3)
94#1#	make two point of Relay close	94#0 #	make two point of Relay open
95#1#	Set alarm when line input 1 open	95#0 #	Set alarm when line input 1connect to Gnd*
96#1#	Set alarm when line input 2 open	96#0 #	Set alarm when line input 2connect to Gnd*
97#1#	Set alarm when line input 3 open	97#0 #	Set alarm when line input 3connect to Gnd*

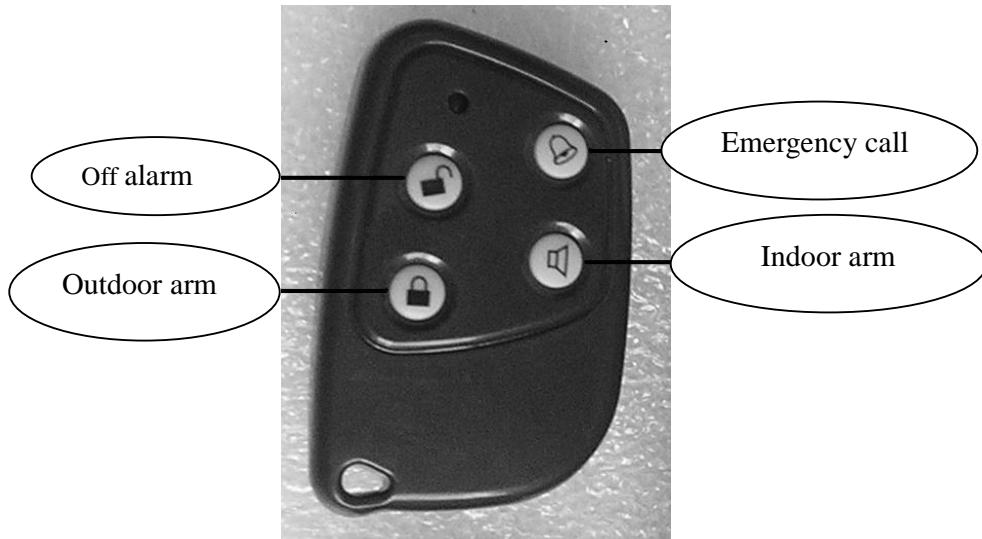
Note:

1. above table, ‘ * ’ stand for approves
2. In the above phone operation, one beep shows you inter each number is successful, a long beep show you inter the sentence is successful, two short beeps shows you inter the sentence is failed, you should try again.
3. In the above SMS operation, you will receive a answer message for confirmation after you send the message command to the base, thus you will know the working state of the base.(arm, disarm or alarm),if the answer is the present state of the base, you may send wrong seessage to the base.
4. You also can only send the password to check out the present state of the base. The replied message as follows:

Disarm,SMS-ON,Phone-ON,Siren-ON,monitor center -OFF, arm phone-OFF, Disarm phone-OFF

How Can I use controllers?

The remote controller has four buttons: outdoor alarm key, set alarm work when no one in the home, all the detectors in the home are ready on alarm, the lamp on panel will low flash green. indoor alarm key, set alarm work when some people in the home, some of the detectors are need not work, the lamp on panel will fast flash green; as the first floor no people inside, all of the detectors the first floor are ready on alarm, the second floor live people inside, all of the detectors in the second floor are off alarm when you use indoor alarm key. off alarm key, set alarm off, all the detectors are disalarm, the lamp on panel will still green. emergency call key, set emergency call, the lamp on panel will flash red; the system will make alarm, and the base will send the SMS and dial out.



How can I add more detectors?

You can add new sensors or detectors, such as wireless door sensors, PIR Sensors, gas and smoke detectors into the base.

- 1) The detectors are all ready on alarm when you set Outdoor alarm or Indoor

alarm:

when the GSM base start power on ,At this time, The lamp on panel will bright on red in 20 second, You should trigger the sensor or detector, and the red LED will flash and shows successful .

After you finish doing it,you can waitting 20 seconds, it ends and automatically enter into working state, the lamp on panel change to yellow, then to the green.

2) The detectors are ready on alarm when you set Outdoor alarm, and not-alarm when you set Indoor alarm(means those detectors will not work when you set Indoor alarm)

When the GSM base start power on, At this time, The lamp on panel will bright on red in 20 second, first you push the reset button for a second, then you can trigger the sensor or detector, and the red LED will flash and shows successful.

After you finish doing it, you can waiting 20 seconds, it ends and automatically enter into working state, the lamp on panel change to yellow, then to the green

Note, if there are 4 zone in the base, the new detector will be 5 zone in the base.

How Can I cancel the lost detectors?

It often happens that some of coded detectors are lost. It is not safe for your home, but do not worry, you can cancel the coded information of this detector so that It cannot control your alarm system. But how to do it? It is very simple, just reset the alarm system by keeping reset button and power the system and

then beep or LED flashes, it shows reset is successful. All registered detector have been deleted. You can register them again with the above solution. But the SMS message was not changed.

SOME NOTE:

1) About (SIGNAL) lamp

(SIGNAL) lamp show red in 20 second when the base is power on. In this time, you can fit wireless detector into base, if you do this, the red flash. then, (SIGNAL) lamp flash yellow show it start to get in touch GSM network .If (SIGNAL) lamp still flash yellow, show SIM card is set un-correctly or GSM network is not good. If (SIGNAL) lamp still on yellow, show not name or phone number in SIM card .if every thing is ok, (SIGNAL) lamp show slow flash green (in outdoor alarm situation)or show fast flash green (in indoor alarm situation) , (SIGNAL) lamp show still green (not in alarm situation).if alarm happened, (SIGNAL) lamp show flash red and start dial out and sent SMS.

2) About (OUTPUT) lamp

If the base O1 output high(+5V),the OUT 1 lamp bright; If the base O2 output high(+5V),the OUT 2 lamp bright;

3) About (TALK) lamp (OUTPUT 3)

If the base speaker work, this talk voice output, the output 3 bright;

4) About (RELAY) lamp

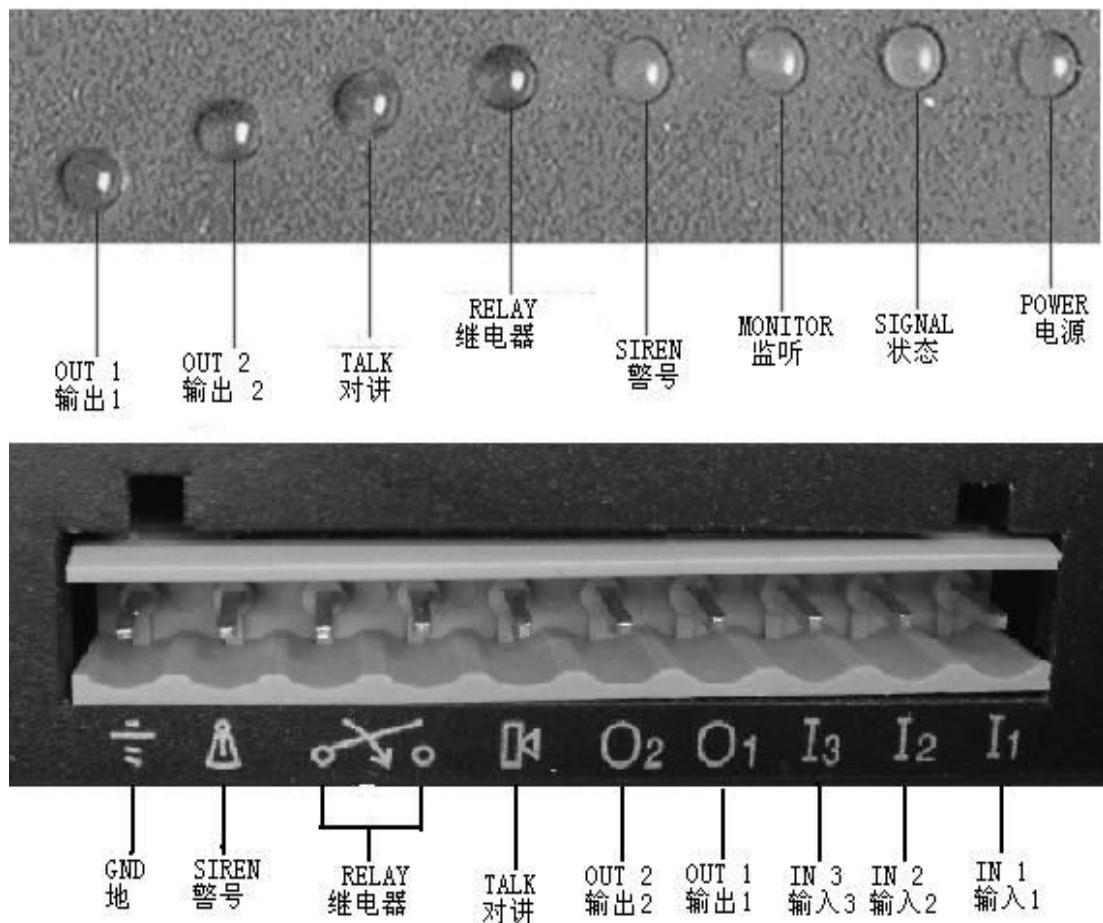
If the relay in the base close ,the relay lamp bright

5) About (SIREN) lamp

If the base siren out, the siren lamp bright.

6) About (MONINT) lamp

The monitor lamp bright If the base is work in monitor.



SOME TECHNIQUE PARAMETER

- 1) Static current: 20mA.
- 2) Power: 9V-12V DC.
- 3) Working temperature: -20°C - +85°C.
- 4) GSM850/900/1800/1900MHz band.
- 5) Receiving code: ASK.
- 6) Frequency: 315/433/868/915MHz.
- 7) Wireless distance: 100 M.
- 8) Wireless detectors: 16.
- 9) Wire detectors: 3.