3.9.2 Event Check
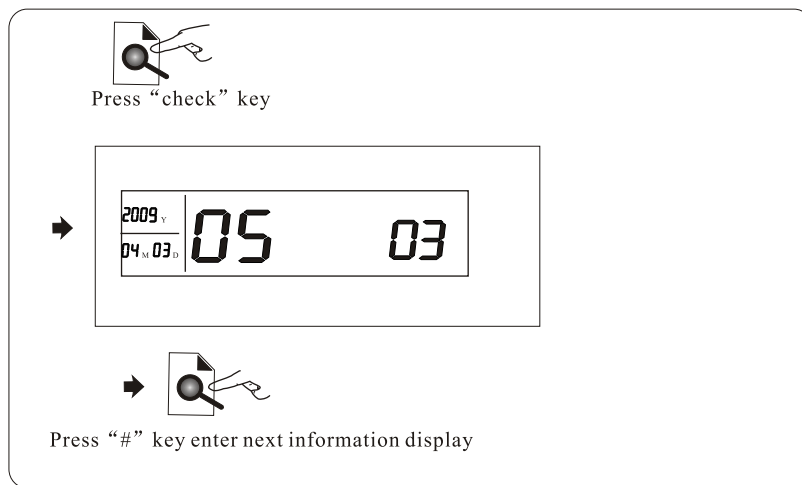
Press the [inquiry] key less than 3sec to inquiry the event recorded. Press theinquiry key continuously you can get the record one by one chronolo gically. Press any key to exit.

For example: Burglar alarm at the fifth wired zone at 8: 30 am 3rd April, 2009

Press "check" key

2009 Y
04 M 03 D   05   03

Press "#" key enter next information display

★alarm status code			
01	Delay	06	gas leak
02	perimeter	07	tamper
03	burglar	08	disarm
04	emergency	09	away-arm
05	fire alarm	10	home-arm

3.9.3 AC power off and restoration testing function: when the AC off,the power LED will be off on the panel will report AC loss to the CMS and dial preset alarm receiving phone(follow me#)if AC power does not restorlal in 30 min. when the AC is restoral the panel will send restoral message to CMS after 3 min.
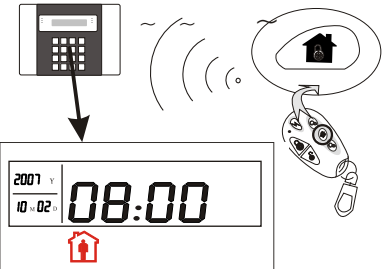
3.10 Easy operation
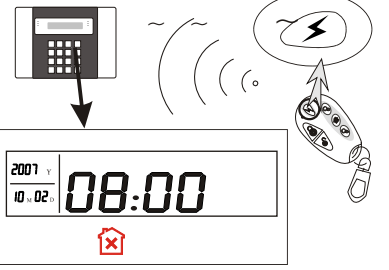
☆Away Arm

~DI~DI~

2007 Y
10 M 02 D 08:00

Press the key for arm away on remote or the keypad, then you hear "the system is arming" there will be 10 sounds "Dee" to tell you arm the system successfully

☆Home Arm

2007 Y
10 M 02 D 08:00

Press the key for home arm on the remote or "HOME" key on the keypad, the panel will give voice to tell system is enter home arming. And it display home arm icon on the LCD screen.

☆ Panic

2007 Y
10 M 02 D 08:00

Press the panic button on remoter, or press "confirm/panic" key on panel for 3 seconds, and 10seconds later the panel will dial the preset phone number. And you can disarm to cancel alarm.

☆ Disarm

2007 Y
10 M 02 D 00

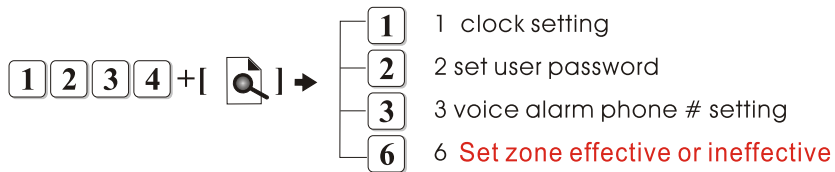press the disarm key on the remote or enter your user password on the keypad, then you will hear "dee" and voice"system disarmed", then you have disarm successfully.

After above-mentioned operation, press "up/inquiry" button for3 seconds, and you can inquiry record event.like emergency alarm, home arm and so on. Press [up] key to previous option, Press [down] key to inquiry next event.Press [*] key to exit inquiry.

Chapter IV User setting

user menu

1 2 3 4 +[🔍] ➡

1   1 clock setting
2   2 set user password
3   3 voice alarm phone # setting
6   6 Set zone effective or ineffective

press back key to exist setting.

4.1 Clock setting

Enter[1234]+[🔍]+[1]+[#] enter clock setting，details please read P24,chaptor 5.61

Press[*]3s

[user code]   [🔍] ➡ 1 #   Enter Y.M.D.H.M. press back key to exit press confirm key to save   2009y 06M 01D 20:09

➡ 0 9 ➡ 0 6 ➡ 0 1 ➡ 2 0 ➡ 0 9 ➡ # ➡ Setting is saved

According to flash of Y.M.D.H.Min on screen, enter 09、06、01、20、09 by turn

4.2 User password setting

[user code]+[🔍]+[2]+[#] enter 4-digit user password, press back key to exist press confirm key to confirm. +[xxxx]+[#]
enter 4 digit new password

4.3 Voice alarm phone # setting

[user code]+[🔍]+[3]+[#] enter voice alarm phone # setting . for details please read P 23,chaptor 5.5

4.4 Zone setting（effective or ineffective）

[user code] +[🔍]+[6]+[#] enter the zone # from 1-40 to modify，press back key to exist press confirm key to confirm。 +[xx]+[#]

Please choose, press 1 to set on, press 0 to set off. +[1]+[#]

Chapter V System Setting

We will introduce the function setting of ST-IV series.

⚠ We are not responsible to any problem which caused by user wrong operation!

5.1 Setting

★ When set system on the keypad, [*] key with both delete function[#] with confirm function. [Arm] key with "back, exist" function.

★ Every time press a key the panel will sound effective indica -tion speech.Every time finish one operation the panel will sound corresponding speech indication anyway it is wrong or right operation. If setting under advanced menu, after finish setting please press [*] key to back to previous menu to continue other setting.

★ Under disarm status Press [*] key and hold on for 3 seconds to enter setting sstatus. Enter administrator password , then press the corre sponding key to enter option setting .Everytime enter correct command please press [#] to enter the advanced menu.After you enter the advanced menu ,for user convenie - nce the screen will display the default or the setting user programmed before .Then the user can enter the setting he want to modify and press [#] key to confirm. If the user do not want to modify, he can press [#] to keep the former setting. After this operation, the LCD dis play will back to the status of enter command so that the user can enter next option setting. After you finish all settings, press back key to exist. If after 5 minutes no any operation the panel will back to previous menu automatically.

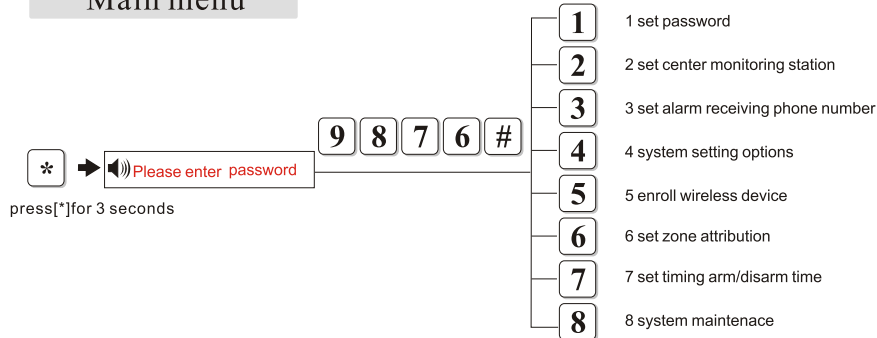☞ Only under disarm status,can enter system setting by pressing [*] for 3 seconds.

★ If incorrect operation during setting you can press [*]and hold on for 3 seconds to back to previous menu.

5.2 Setting on main menu

Let's learn about how to enter the system and functions. Please set the panel according to following method, and the panel will keep the memory of your setting until you modify it again.

Main menu

1	1 set password
2	2 set center monitoring station
3	3 set alarm receiving phone number
4	4 system setting options
5	5 enroll wireless device
6	6 set zone attribution
7	7 set timing arm/disarm time
8	8 system maintenace

`*` → Please enter password   `9` `8` `7` `6` `#`

press[*]for 3 seconds

5.3 Set password

★ Set password：Password include "user pasword" and " administrator password" "user password" with function to disarm system. It is a private key on remote control. "Adminstrator password" is the only password to set the system. Please do not forget the administrator password otherwise you can not operate the system. Press "*"(hold * for more than 3 seconds) "9876#" "1#" , then operate according to the speech indication.

Press[*], then enter administrator password, then press [1][#]

Set password

[1]modify administrator password

`1` `#`

Please enter new four-digit administrator password. Press back key to exist. press confirm key to save.

`M` `M` `M` `M` `#`

Setting is saved
[1]administrator setting
[2] password setting
Press back key to back to previous menu.

[2] user password setting

`2` `#`

Please enter new four-digit user password. Press back key to exist. press confirm key to save.

`M` `M` `M` `M` `#`

Setting is saved
[1]administrator setting
[2]password setting
Press back key to back to previous menu.

Note：Here [M] stands for entering new password
Example 1：Modify the administrator password to "1111"

Press "*" key and hold on for 3 seconds

Please enter password → 9 8 7 6 → # → 1 # → [1] set password

→ 1 [1]set administrator password → Please enter new four-digit admini-strator password.Press [back] key to exist. press [confirm] or [#] key to save. → 1 1 1 1

→ # Press 4-digit administtator password,press back key to exit,press # to save
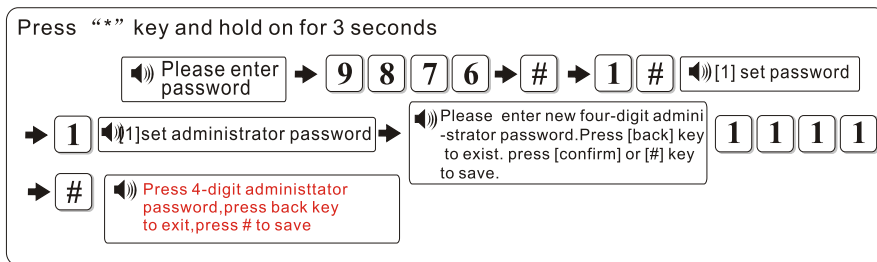
Note：

1.Above are based on correct operation for each step. If incorrect operation occurs , please press [back] key to back to previous menu to reset.
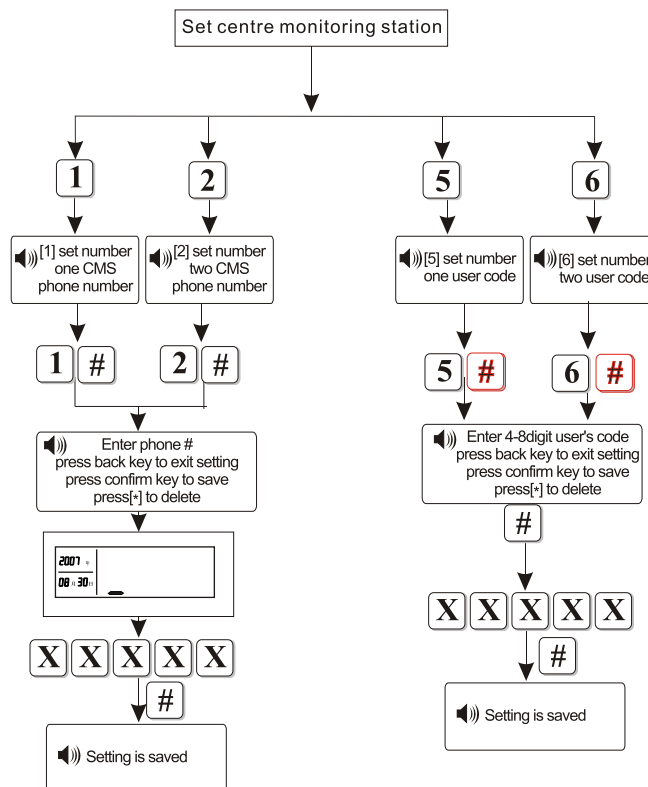
2.The factory default of administrator password is [9876].If you have modified the password, please enter the new password.

5.4 Set centre monitoring station

Press [*]3 seconds+[9876#]+[2#],then operate as following.

Set centre monitoring station

| 1 | 2 | 5 | 6 |

[1] set number one CMS phone number

[2] set number two CMS phone number

[5] set number one user code

[6] set number two user code

| 1 | # | | 2 | # | | 5 | # | | 6 | # |

Enter phone #
press back key to exit setting
press confirm key to save
press[*] to delete

Enter 4-8digit user's code
press back key to exit setting
press confirm key to save
press[*] to delete

2007
08 30

#

X X X X X
#

X X X X X
#

Setting is saved

Setting is saved

☞ The user code in the CMS setting which is identification code in the CMS. And the user code in transfer alarm setting is user, identification code between same model panel

Please set user code of the panel in CMS after set the CMS # .   The user code should be 4,6 or 8 digit.

When set CMS phone #,please press*,then enter the phone #.
When only delete phone #,press * ,then press #.

If set two CMS phone #,please set two user #.

5.5 Set voice alarm receiving phone number

After press[*]3 seconds+[9876#]+[3#]，operator follow the voice indication :
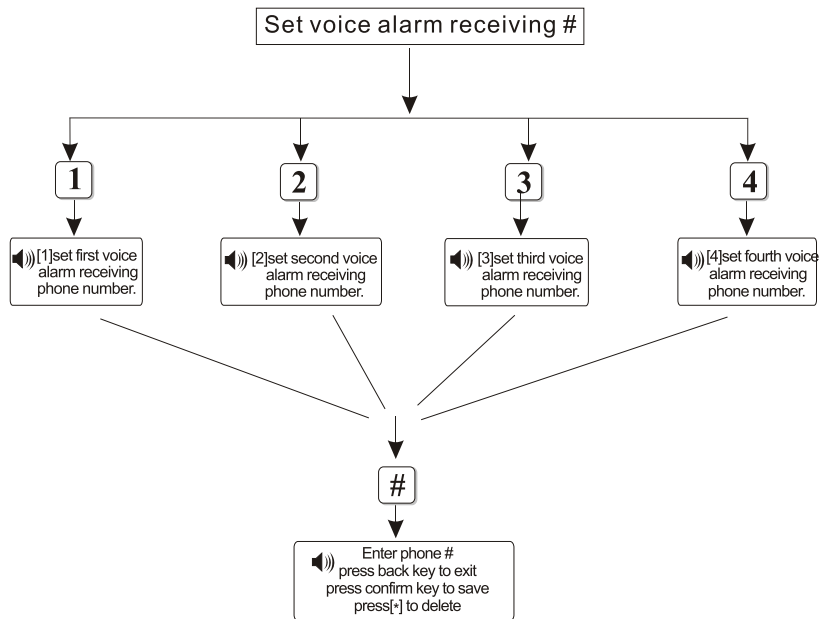
Example 2：panel connect with one telephone .

And set the local phone # "87654321" as first voice alarm receiving # ：

5.6 System setting options

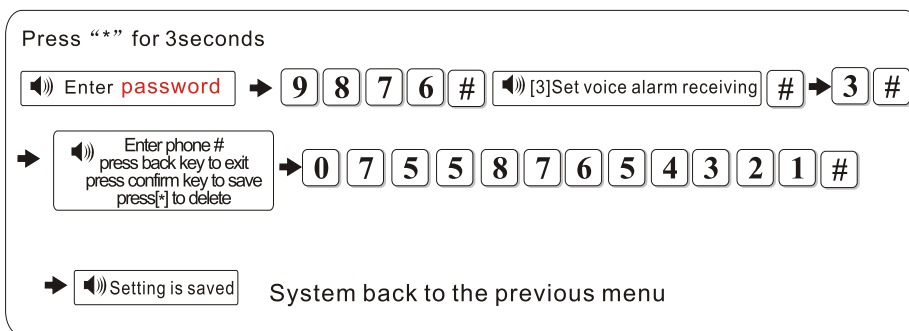Press[*]3seconds+[9876#]+[4#]，operator according voice indication
as following:

Press[*]3s

* ➡ 9 8 7 6 # ➡ 4 #

1 "1" clock setting
2 "2" entry delay setting
3 "3" exit delay setting
4 "4" siren time setting
5 "5" ringing times setting
6 "6" detector loss test setting
7 "7" communication test interval time setting
8 "8" armed/disarmed indication sound setting
9 "9" armed/disarm report setting
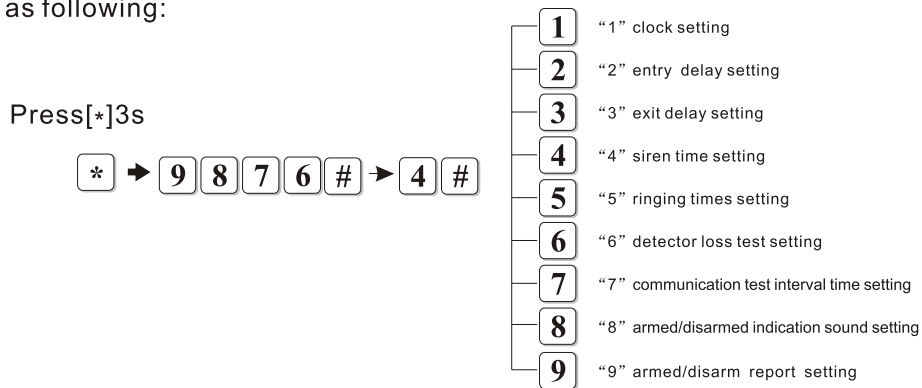
5.61 clock setting: Set system time administrator june 1st, 2009 20:09.

Operate as：[*]3s➡[administrator password]➡[#]➡[4][#]➡[1][#]➡
　　　　　　[year]➡[month]➡[day]➡[hour]➡[minute]➡[#]

Example:set the time to :20:09 1st,Jun,2009

Press[*]3s

* ➡ 9 8 7 6 # ➡ 4 # ➡ 1 #　🔊 Enter Y.M.D.H.M.
　　　　　　　　　　　　　　　　　press back key to exit
　　　　　　　　　　　　　　　　　press confirm key to save

2009 y / 06 M 01 D 20:09 ➡ 0 9 ➡ 0 6 ➡ 0 1 ➡ 2 0 ➡ 0 9

According to flash of Y.M.D.H.Min on screen,enter 09、06、01、20、09 by turn

➡ # ➡ 🔊 Setting is saved

Save setting

☞ Indication: Considering the convenience for user
to know the alarming time, please set the time same
as location time,

5.62 Entry delay setting: the period from system is triggered to
　　panel start alarming(default Value is 10s)
　　　E.g：Set the delay time as 9s

Press [*]and hold on for three seconds

`*` ➡ `9` `8` `7` `6` `#` ➡ `4` `#` ➡ `2` `#`　◀)) Enter the delay time.
　　　　　　　　　　　　　　　　　　　　　　　　Press back key to exit
　　Administrator password　　　　　　　　　press confirm key to save

➡ `0` `0` `9` ➡ `#` ◀)) Setting is saved

Enter 2 digit number from `001-255` , add 0 if lower than 10. Like, 9 enter as 09.

5.63 Exit delay setting: the period from user arm to the system armed
　　　successfully. This is for user's convenience to exit after arm
　　　operation.(default value is 10s)

Example: Set delay time as 89s

Press[*]and hold on for 3s

`*` ➡ `9` `8` `7` `6` `#` ➡ `4` `#` ➡ `3` `#`　◀)) Enter the exit delay time .
　　　　　　　　　　　　　　　　　　　　　　　　　Press back key to exit
　　　　　　　　　　　　　　　　　　　　　　　press confirm key to save

➡ `0` `8` `9` ➡ `#` ◀)) Setting is saved

Enter 2 digit number from `001-255` , add 0 if lower than 10. Like,
9 enter as 09.

Note:Entry delay is effective just for entry/exit zone.
　　　 Exit delay is effective just for perimeter,burglar,delay zone.

5.64 Siren time setting: the siren time after panel start alarming(default
       value is 5 minutes).

Example: Set the siren time as 15 minutes(It's suggested not to set the
         siren time more than 15 minutes)

Press [*] and hold on for 3 seconds

[*] ➤ [9][8][7][6][#] ➤ [4][#] ➤ [4][#]   ◀)) Enter 0 to 30 minutes siren time
                                                 press back to exist.
                                                 Press confirm
                                                 to save

➤ [1][5] ➤ [#] ◀)) Setting is saved

Enter 2digit number from 0-30, add 0 if lower than 10. Like, 9 enter as 09.

5.65 Set the ringing time: user dial the phone which connect
       to the panel to achieve control the panel remotely(Default value
       is 7 times).

Example：Set ringing time as 8

Press [*] and hold on for 3 seconds

[*] ➤ [9][8][7][6][#] ➤ [4][#] ➤ [5][#]   ◀)) Enter ringing time. If set
                                                 as 0, system wont take the
                                                 phone. Press [back] to exit.
                                                 press [confirm] or [#]
                                                 to save the setting

➤ [0][8] ➤ [#] ◀)) Setting is saved

Enter 2 digit number from 0 to 99,add 0 if lower than 10. Like, 9 enter as 09.

Note: Here user can set ring times from 0-99.When set as 00,the
       remote control function will be disable.

5.66 Detector loss test setting: The time interval of detector lose or
    detector power-off Inspection(Default value is 00) .

Example: Set inspection of detector loss or power status every 18hours

Press [*] and hold on for 3 seconds

◄)) Enter 0-24hours interval on
detector loss inspection, 0 for not
inspect.Press back key to exit .
Press confirm key   to save.

[*] ➔ [9][8][7][6][#] ➔ [4][#] ➔ [6][#]

➔ [1][8] ➔ [#] ◄)) Setting is saved

Enter 2 digit number from 0 to 24 h, add 0 if lower than 10. Like, 9 enter as 09

5.67 Setcommunication inspection interval time : Time interval for panel
    communicate with CMS(Default value is 00)

E.g：set panel communicate with CMS every 4 hours.

Press[*] and hold on for three seconds

◄)) Enter 0 to 24 hours interval
on communicationin spection,
0 for not inspect.Press back
key to exit .Press confirm key
to save.

[*] ➔ [9][8][7][6][#] ➔ [4][#] ➔ [7][#]

➔ [0][4] ➔ [#] ◄)) Setting is saved

Enter 2 digit number from 0-24hours,add 0 if lower than 10. Like, 9 enter as 09

5.68 Set arming/disarming tone:Set the tone type of arming/disarming
(default value is no indication)

Example：set armed/idsarmed with short sound tone indication

press[*] for 3s

[*] ➤ [9][8][7][6][#] ➤ [4][#] ➤ [8][#]

◀))) Choose arm/disarm indication
voice. One no voice, two short sound.
Press back key to exit .Press
confirm key to save.

➤ [2] ➤ [#] ◀))) Setting is saved

1.no indication   2.short sound

5.69 Set arming/disarming report : Set if report arm/disarm to CMS or not.

Example：Set arm/disarm report to CMS

Press[*] and hold on for 3s

[*] ➤ [9][8][7][6][#] ➤ [4][#] ➤ [9][#]

◀))) Please choose arm, disarm
report one not report, two report.
Press back key to exit .Press
confirm key to save.

➤ [2] ➤ [#] ◀))) Setting is saved ➤ [#] ➤ ◀))) Setting is saved

1.not report 2.report

5.7 Enroll wireless device

Pressing[*]　[9876#]　[5][#] then operate follow the voice indication

Press [*] and hold on for 3s

* → **9 8 7 6 #** → **5 #** →

1 "1"Enroll remote

2 "2" enroll detector

3 "3"Enter code of remote

4 "4"Enter code of detector

5 "5" delete remote

6 "6" delete detector

7 "7" Enroll wireless siren
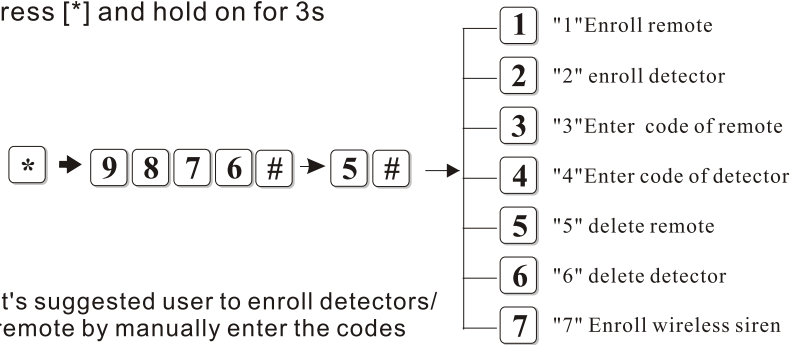
It's suggested user to enroll detectors/ remote by manually enter the codes

5.7.1 Enroll remote and delete remote

Example：enroll #3 remote

1)Auto enrolling:

Press[*] and hold on for 3S

* → **9 8 7 6 #** → **5 #** → **1 #** → 🔊 Enter serial number of No. 1 to 8 remote. Press back key to exit .Press confirm key to confirm

→ **3** → **#** → 🔊 trigger the remote → Trigger remote → 🔊 Enroll successfully
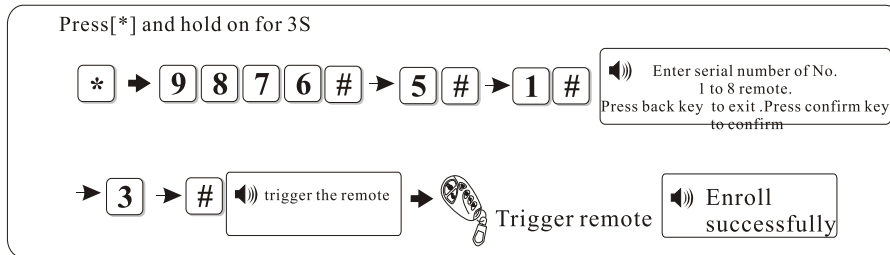
2)Enroll manually

Press[*] and hold on for 3S

Example:set the remote(with code:243222432) as the third remote.

* → **9 8 7 6 #** → **5 #** → **3 #** → 🔊 Enter serial number of No. 1 to 8 remote. Press back key to exit .Press confirm key to confirm

→ **3** → **#** → 🔊 Enter address code of remote. Press back key to exit .Press confirm key to save. → **2 4 3 2 2 2**

User can find the 9-digit address code on the label sticked on the remote

4 3 2 # → 🔊 Setting is saved
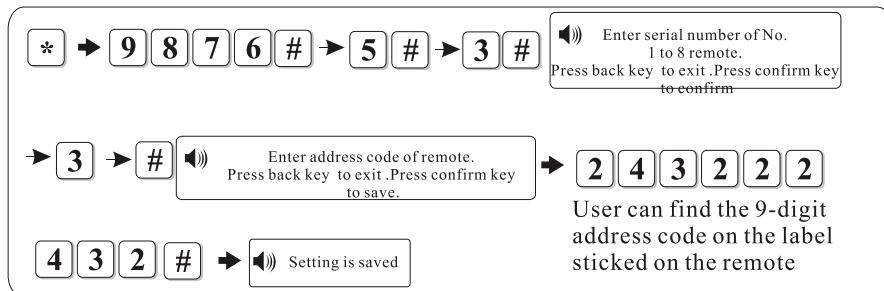
3)Delete remote

Example: delete the #3 remote

press [*] and hold on for 3S

[*] ➤ [9] [8] [7] [6] [#] ➤ [5] [#] ➤ [5] [#]   🔊 enter number 1 to 8 serial number of remote to delete separately. enter [0] to delete all , press back key to exit, press confirm key to confirm.

➤ [3] [#] ➤ 🔊 press * key to exit, press # key to confirm. ➤ [#] ➤ 🔊 Setting is saved

Save the settings
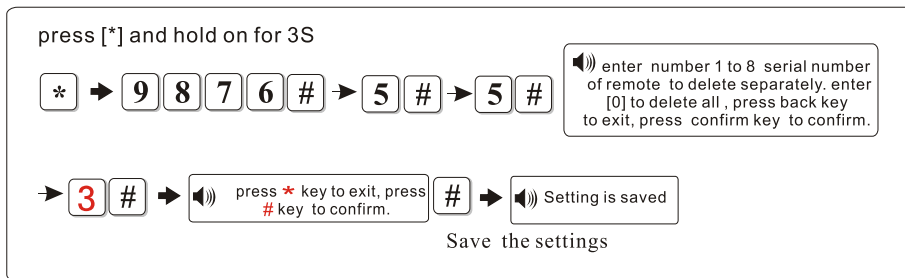
5.7.2 Enroll and delete detetors

Example: enroll # 16 wireless detector

1）Auto enrolling:

Press[*] and hold on for 3S

[*] ➤ [9] [8] [7] [6] [#] ➤ [5] [#] ➤ [2] [#]   🔊 enter 1 to32 serial number of detector,Press back key to exit .Press confirm key to confirm

➤ [1] [6] ➤ [#] 🔊 trigger the detector ➤ ☛Press the anti-tam per spring 🔊 Enroll successfully
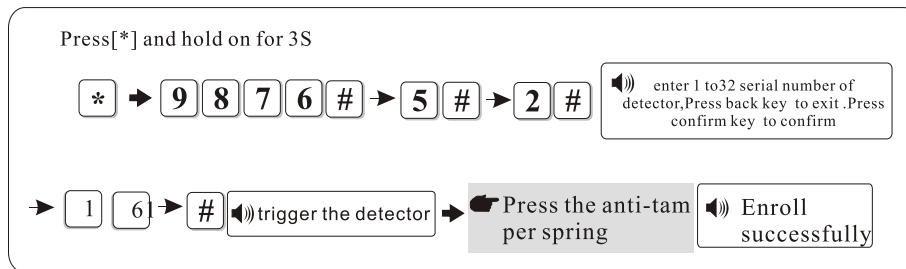
2）Manual enrolling

Example:enroll the door sensor(with address:145228522) to zone #16

press [*] and hold on for 3S

[*] ➤ [9] [8] [7] [6] [#] ➤ [5] [#] ➤ [4] [#]   🔊 enter 1 to32 serial number of detector,Press back key to exit .Press confirm key to confirm

➤ [1] [6] ➤ [#] 🔊 enter address code of detector ,Press [back]to exit press [confirm] or [#] to confirm ➤ [1] [4] [5] [2]

[#] ➤ 🔊 Setting is saved

User can find the 9-digit address code on the label sticked on the detector
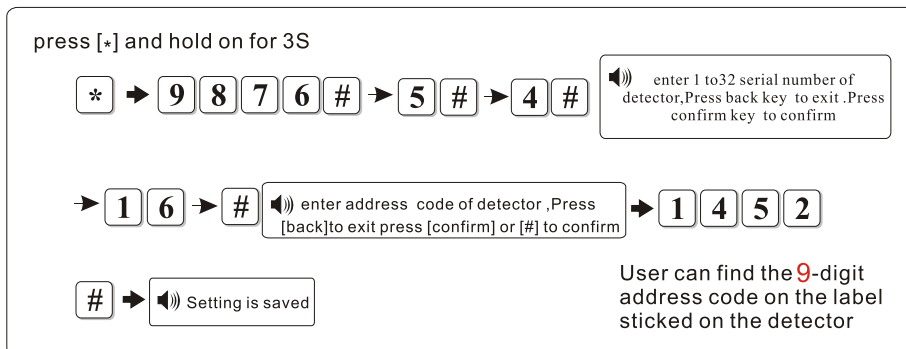
3）Example: delete #16 detector

press [*] and hold on for 3S

[*] ➡ [9] [8] [7] [6] [#] ➡ [5] [#] ➡ [6] [#]

🔊 enter number 1 to 32 serial number of detector to delete seperately. enter [00] to delete all , Press back key to exit Press confirm key to confirm

➡ [1] [6] ➡ [#] [#] ➡ 🔊 press back key to exit, press confirm key to confirm. [#] ➡ 🔊 Setting is saved

Save the settings

5.7.3 Enroll wireless siren code
Example: Enroll wireless siren code

press [*] and hold on for 3S

[*] ➡ [9] [8] [7] [6] [#] ➡ [5] [#] ➡ [7] [#]   🔊 Enrolling,please wait
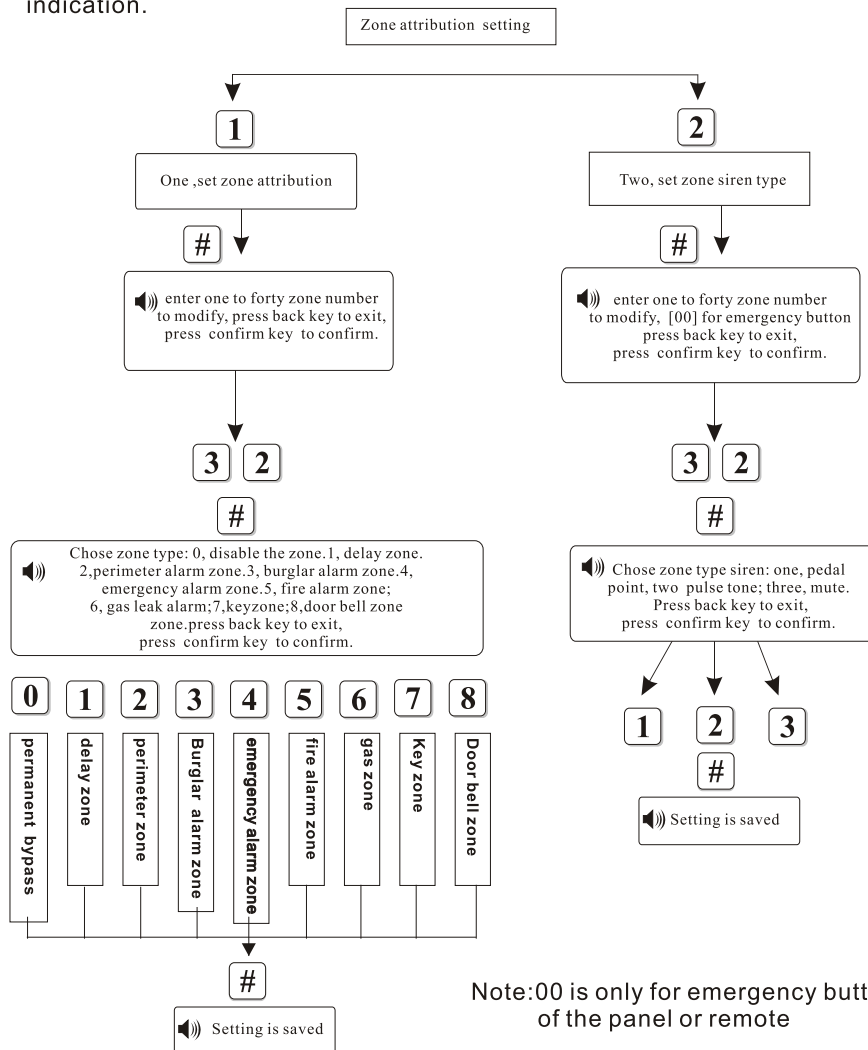
Press the [SAVE] key of the wireless siren till the panel and siren sound at the same time,press back key to exit

5 .8 Set zone attribution

Press [*]3seconds+[9][8][7][6]+[#]+[6#]，then operate follow the voice indication.

Zone attribution setting

1

One ,set zone attribution

#

🔊 enter one to forty zone number to modify, press back key to exit, press confirm key to confirm.

3 **2**

#

🔊 Chose zone type: 0, disable the zone.1, delay zone. 2,perimeter alarm zone.3, burglar alarm zone.4, emergency alarm zone.5, fire alarm zone; 6, gas leak alarm;7,keyzone;8,door bell zone zone.press back key to exit, press confirm key to confirm.

0 **1** **2** **3** **4** **5** **6** **7** **8**

permanent bypass | delay zone | perimeter zone | Burglar alarm zone | emergency alarm zone | fire alarm zone | gas zone | Key zone | Door bell zone

#

🔊 Setting is saved

2

Two, set zone siren type

#

🔊 enter one to forty zone number to modify, [00] for emergency button press back key to exit, press confirm key to confirm.

3 **2**

#

🔊 Chose zone type siren: one, pedal point, two pulse tone; three, mute. Press back key to exit, press confirm key to confirm.

1 **2** **3**

#

🔊 Setting is saved

Note:00 is only for emergency button of the panel or remote

Key zones: only for wired zones(33-40), used for access control. when set as key zones, the burglar function will be disable.
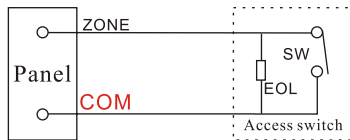**Doorbell zones: only for wireless zones(01-32).**Under home arm/away arm status, triggerthe doorbell zone will report delay alarm. Under disarm status, trigger the doorbell zone will sound ringing tone. .

Wiring method of key zones

1.N.C.
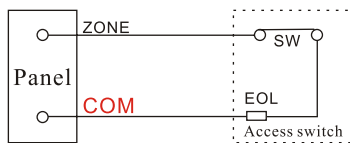
2.N.O.

Key zones:
(33-40) wired zones can be programmed as key zones, Press * and hold for 3 seconds, enter administrator password [#]+[6][#]+[1][#]+ [zone number] +[#]+[7][#].
When the zone is programmed as key zone, the panel status will be same as current key zones status when power on instead of rest oring to the status before power off. If there is more than one key zones, then the panel status will be the same as the key zones with maximum number.

User can program the zone type, when the zone is triggered, the panel will report the preset zone type information of triggered zone to CMS.
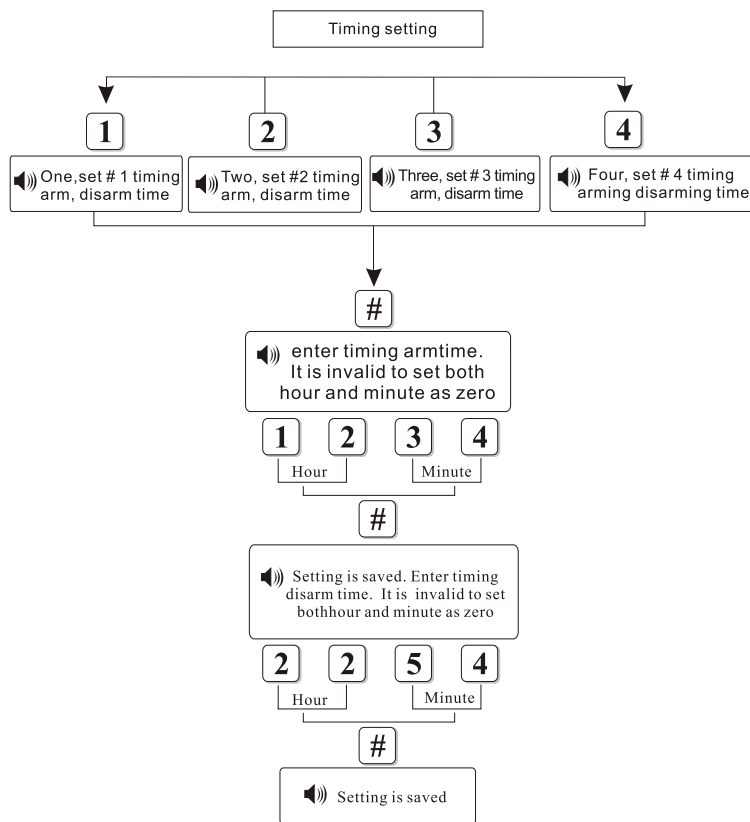
Hint: When the zone type is programmed as 0, that means the zone is disabled/bypassed.

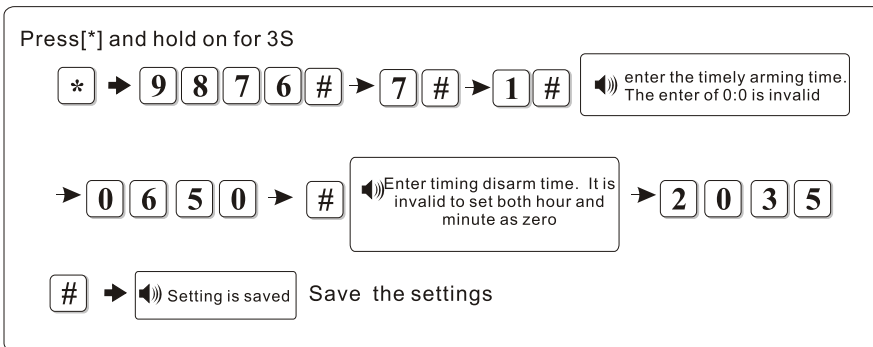Zone:zone wiring termind
GND:common terminal
SW:switch
Eol:resistor

5.9 Set timing operation

Example:Set timing arm/disarm,timing arm at 12:34,
         timing disarm at 22:54

Press [*]for 3 seconds+[9][8][7][6]+[#]+[7#]，then operate according to
the voice indication.
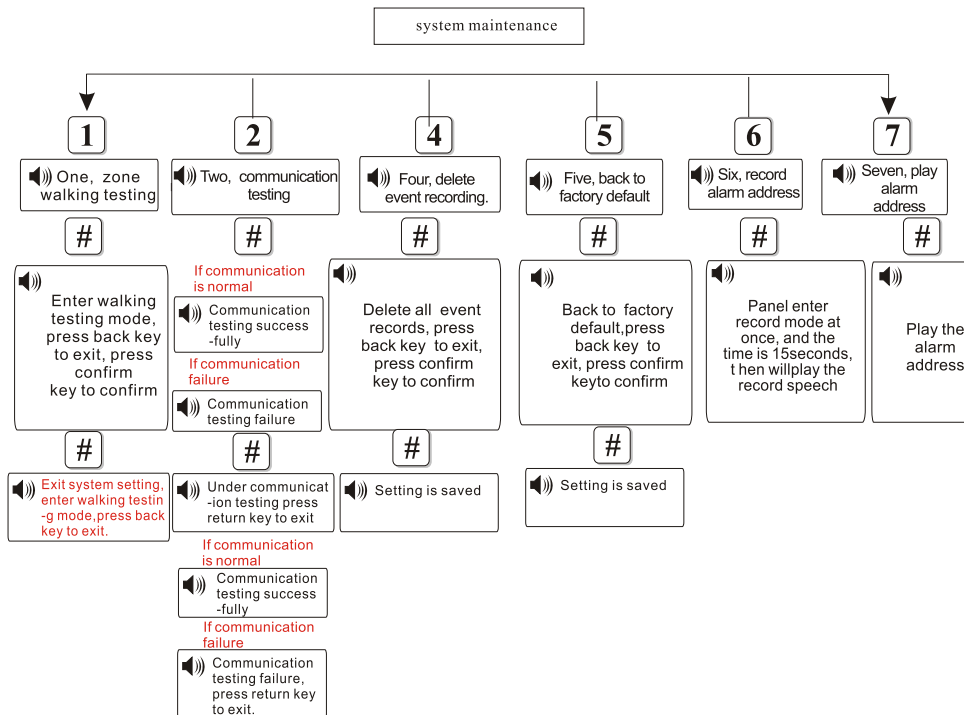
```
                        ┌─────────────────┐
                        │  Timing setting │
                        └─────────────────┘
          ┌───────────────┬──────┴────────┬───────────────┐
          ▼               ▼               ▼               ▼
        ┌───┐           ┌───┐           ┌───┐           ┌───┐
        │ 1 │           │ 2 │           │ 3 │           │ 4 │
        └───┘           └───┘           └───┘           └───┘
   ┌───────────┐   ┌───────────┐   ┌───────────┐   ┌───────────┐
   │🔊 One,set # 1 │ │🔊 Two, set #2 │ │🔊 Three, set # 3│ │🔊 Four, set # 4│
   │  timing arm, │ │  timing arm, │ │  timing arm, │ │  timing arming│
   │  disarm time │ │  disarm time │ │  disarm time │ │  disarming time│
   └───────────┘   └───────────┘   └───────────┘   └───────────┘
          └───────────────┴──────┬────────┴───────────────┘
                              ┌───┐
                              │ # │
                              └───┘
                    ┌─────────────────────┐
                    │🔊 enter timing armtime.│
                    │  It is invalid to set│
                    │  both hour and minute│
                    │  as zero            │
                    └─────────────────────┘
                    ┌───┐┌───┐┌───┐┌───┐
                    │ 1 ││ 2 ││ 3 ││ 4 │
                    └───┘└───┘└───┘└───┘
                     Hour      Minute
                              ┌───┐
                              │ # │
                              └───┘
                    ┌─────────────────────┐
                    │🔊 Setting is saved. Enter│
                    │  timing disarm time. It│
                    │  is invalid to set both│
                    │  hour and minute as zero│
                    └─────────────────────┘
                    ┌───┐┌───┐┌───┐┌───┐
                    │ 2 ││ 2 ││ 5 ││ 4 │
                    └───┘└───┘└───┘└───┘
                     Hour      Minute
                              ┌───┐
                              │ # │
                              └───┘
                    ┌─────────────────────┐
                    │🔊 Setting is saved  │
                    └─────────────────────┘
```

Example: Set timing arm at 6:50 AM , timing disarm at 8:35 PM.(Enable set
            total 4 groups of timing arm/disarm time)

Press[*] and hold on for 3S

[*] → [9][8][7][6][#] → [7][#] → [1][#]   🔊 enter the timely arming time.
                                               The enter of 0:0 is invalid

→ [0][6][5][0] → [#]   🔊 Enter timing disarm time. It is
                            invalid to set both hour and
                            minute as zero   → [2][0][3][5]

[#] → 🔊 Setting is saved   Save the settings

👉 Hint: 4 groups of timing arm/disarm can be set according
      to the schedule of user

5.10 System maintenance

Press [*]and hold for 3 seconds+[9][8][7][6]+[#]+[8#]，then operate follow
the the voice indication.

```
                        ┌──────────────────────┐
                        │  system maintenance  │
                        └──────────────────────┘
```

1	2	4	5	6	7
🔊 One，zone walking testing	🔊 Two，communication testing	🔊 Four, delete event recording.	🔊 Five, back to factory default	🔊 Six, record alarm address	🔊 Seven, play alarm address
#	#	#	#	#	#
🔊 Enter walking testing mode, press back key to exit, press confirm key to confirm	If communication is normal 🔊 Communication testing success-fully / If communication failure 🔊 Communication testing failure	🔊 Delete all event records, press back key to exit, press confirm key to confirm	🔊 Back to factory default,press back key to exit, press confirm keyto confirm	🔊 Panel enter record mode at once, and the time is 15seconds, t hen willplay the record speech	🔊 Play the alarm address
#	#	#	#		
🔊 Exit system setting, enter walking testin-g mode,press back key to exit.	🔊 Under communicat-ion testing press return key to exit	🔊 Setting is saved	🔊 Setting is saved		
	If communication is normal 🔊 Communication testing success-fully / If communication failure 🔊 Communication testing failure, press return key to exit.				

Walk test:Test if the panel can work with the detectors.Under walk test,trigger
        the detector,the siren of panel will hoot about 2s,after testing,press [arm]
        the panel will back to normal status.
Communication test:Test if the panel can work with CMS.

Chapter VI alarm and receive alarm

6.1 Only the zone type witch is set to be burglar alarming or
perimeter alarming is controlled by the operation of
away-arming, home-arming/ disarming. Other zone types
are on the statu of the 24 hours valid. If spring alarming,
the types of burglar alarm, perimeter alarming and self-defining
alarming will alarm after a delay time, but the other types will
immediately alarm through dial-up.

6.2 The panels adopt Contact ID for the communication protocol
to send the alarming information to the center. If the panel
receive the acknowledgement from center, then a successful
alarm, if not, the panel will alarm repeatly .alarming
information can be displayed and resolved by the software of
center computer.

Chapter VII Technical specification

7.1 General data

1 area data: 8 wired areas, 32 wireless zones, 8 remote controllers

2 Zone type:delay,perimeter,burglar,emergency, fire,gas,key,door bell zoon events

3 Frequency: 433.98MHz

4 Signal transmit distance: 100 to 150 meters (open area)

5 Power supply: 15 V/ 5 00mA

6.Builtin rechargenble battery: 12 V/ 1000mA

7.Main machine static current: 50 mA /15v (exclude wire detector current)

8.Main machine alarming current: < 300 mA /15v (exclude high siren current)

9.Main machine 12v maximum output current: ≤100mA for wired detectors

10.Recording time: 15s

11.Frequency: 433.98MHz

12.The trigger delay of wired zones: ≥100 ms

13.The method of alarming dial: DTMF

14.DTMF dial frequency variation :< 1.5%

15.Communication Protocol with CMS: Ademco Contact ID

7.2 Physical Performance

Operation temperature range: 32^0F to 120^0F (0^0C to 45^0C)

Storage temperature range:-4^0F to 140^0F (-20^0C to 60^0C)

Relative humidity: 85% at 30℃ (86^0F)

Dimensions: 230*160*38mm

Weight: 550 g

Color: white

Chapter VIII Maintenance

8.1 Regular test
    Design of components of the system is to reduce maintenance cost, but still
    it is suggested that periodical check may be carried out.

8.2 The cleanliness of control main machine
    Main control panel maybe be stained by fingers or covered by dust after using
    for a while. Use soft cotton cloth or sponge to clean it. Don't use any lubricant,
    liquor such as kerosene, acetone and strong gel which will damage appearance
    and the transparency of top window.
    ATTENTION: Don't use any lubricant, liquor such as kerosene, acetone and
    strong gel which will damage appearance and the top transparency of window.

Chapter VX Limitation of the Products

Although the products is a high standard products, there is also some
limitation of them such as false alarm or no alarm, the reasons may be
below:

Lack of Maintenance. The system needs maintenance and test regularly
test. The sensitive of the detectors may decrease and the siren may not
whistle.

Lack of power supply If no power input and the back up power is not
enough, the panel can not work normally.

Telephone Line False   If the telephone line is cut, the panel could not
send alarm signals .

Limitation of Smoke Detectors if the smoke is far from the smoke detector,
the detector could not alarm·

If the intruder break in through some door or window not monitored, or
some one knows hot to make the system not work.