CLEVER

ALARM SYSTEMS

CL-IV User Manual

Brief

Dear customer:

Congratulations on purchasing your new security systeman thank you for the confidence you have shown in us. You have chosena high-quality product that has been produced, tested and packed w thegreatest care.

Please familiarize yourself with these instructions before attempting to in stall the security system because prolonged reliable and trouble-free operation will only been sure if it is fitted properly. We hope your new security system will bring you lasting pleasure.

Content

Accessories

Before installation please check if the whole set including the components as follow:

- ◆ CL-IV   series alarm panel   1PC
- ◆ Wireless detector   1PC
- ◆ Wireless door sensor   1PC
- ◆ Wireless remote   1PC
- ◆ Adaptor   1PC
- ◆ Book manual   1PC
- ◆ Resistor 10K   8PCS
- ◆ Screws and Plastic dowels   6PCS

Chapter I Introduction

1.1 Function Introduction

1. With voice indication all around the operation.

2. LCD screen indication.

3. Total 32 wireless zones: each zone enable learn code automatically or enter code manually on the keypad. The panel compatible with all our made wireless device.

4. Total 8 wired zone, connect resistor on wired zone terminal to achieve N.O. or N.C. alarm.

5. Enable enroll total 8 wireless remote, 8 electronic switch, 1pc of wirele -ss doorbell and Unlimited for quantity of one way wireless siren.

6. Zone programmable：Before products left factory, will programme alarm type and delay or instant for each zone as factory default. Use can modify the settings.

7. Enroll wireless device：wirless detector and remote via auto enroll code or enter address code manually. User enable enroll / delete detector , remote separately or enroll / delete all simultaneously.

8. Six follow me phone # (voice alarm receiving phone #),two for CMS , four for private alarm receiving.

9. Clock and event list：built-in clock, can be set according to local time.

10. Status inspection function：Enable record and inquiry 120 alarm event messages.
   Like the time when happens anti-tamper alarm, detector alarm, tel-line off, arm, disarm, system setting, battery low voltage etc. And also can inquiry the zone number and alarm type.

11. Password operation ：Administrator password mainly for system admini -strator to program the system. User password for user make common operation, like arm, disarm system, remote control. Both Administrator password and user password can be modified.

12. In Central Monitoring System according to quantity of users,
    user can set 4 ,6 or 8 digit user code.

13. Alarm type auto identify：after alarm triggered, on the LCD scree will
    display alarm zone #, alarm type, alarm icon. When connect to CMS,
    panel will report details of alarm to CMS.

14. Compatible with CMS machine: support Contact ID. Report alarm to CMS.
    Report arm/disarm t o CMS optional.

15. Remote control：Enabel via tel phone to achieve remote control system
    like: arm, disarm , listen to the spot, trigger siren, switch on/off electronic
    appliance etc.

16. vandal-proof function：If try to cut off the wire between wired detector
    and panel or cut off the tel line which connect to the panel will make alarm.

17. Anti-tamper function：when someone try to remove panel deliberately
    panel will make alarm immediately.

18. Timing arm/disarm: Enable set 4 group time arm/disarm time.

19. Timing testing: At preset time, panel will send signal to CMS
    to test the panel on-line status.

20. Siren ：The panel with built-in siren, it can also enroll extension wireless
    siren. Both can be settled on/off when alarming.

21.Follow-me number.The pane dials preset follow-me number to report alarm
    message

22. Voice indication volume enable adjust on the switch.

23. Electronic appliance control：Enable remote inquiry and control the on/off
    status of electronic appliance. And also enable to switch on/off manually
    electronic appliance.

24. Wired/wireless zone real time monitoring：active the real time monitoring function , then if zone with trouble when doing arm/disarm operation the panel will indicate zone fault.

25. Wireless signal repeat function：via our made wireless repeater panel enable to receive signal from wireless detector from a long distance.

26. Wireless detector low battery real time warning：if wireless detector low battery,it will send signal to panel every one or two hour or when alarm happens,panel will sound dee dee , and on the LCD screen, low battery icon and zone number will display. And panel will also report to the CMS and preset follow me phone #.

27. Tel-line off and wireless transfer function：panel make alarm or under arm status, but find out that Tel line off, panel will send signal to preset neighbour panel, and the neighbour panel report alarm instead.

28. Enable the panel sire by pressing the emergency key on the panel or the remote

29. To set built-in siren enable or disable when presspanic button on remote or panel keypad , please refer to adaptor 5.8.

30. Require user password before enter remote control.

31. Gsm alarm function:GSM alarm report to user and alarm report to CMS in CID.

1.2 About panel

1.3 About ICON

[#] OR **1**   Key operation

LCD display

Speech indication

Cautions
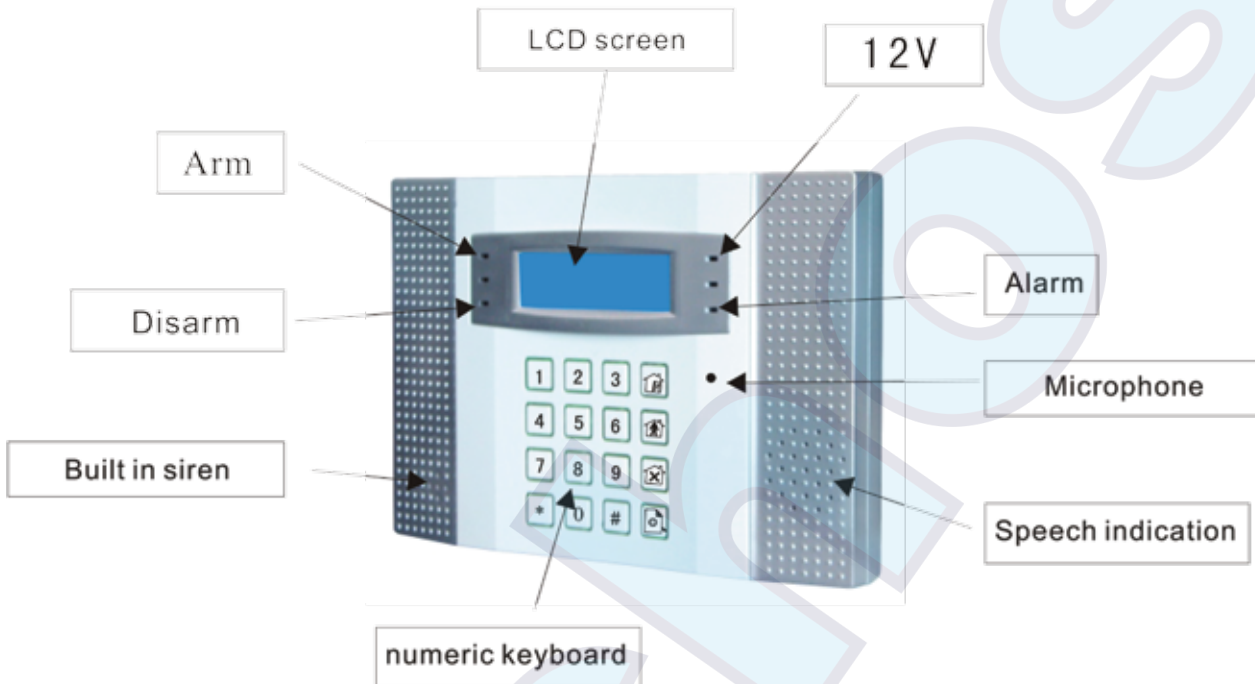
Indication
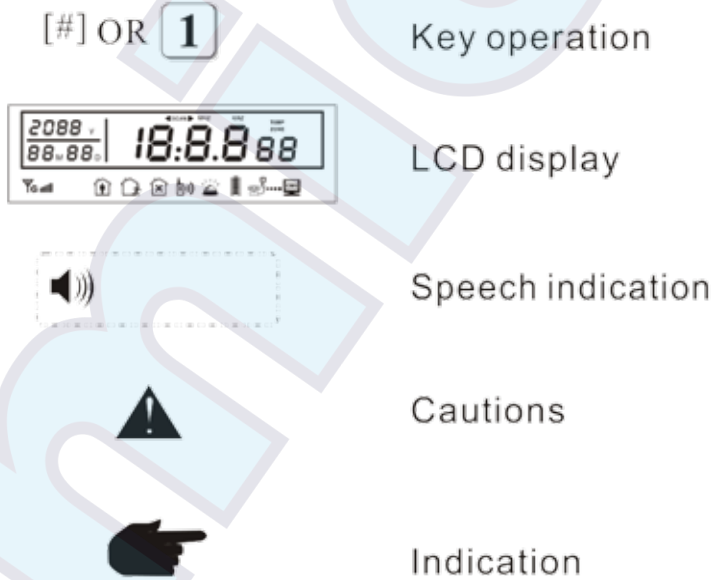
Chapter 2   Installation and Connection

2.1 Open the Item Box

Open the package to check the no accessories missing in the list. If missing accessories , please contact the distributor.

2.2 Installation of control panel

An obvious feature of the **CL-IV** is that it can be installed without open it. User just need to connect several wires on the back of the panel.

1.Remove the bracket on the back of the panel.

Remove the bracket

Push the bracket along the arrow pointed
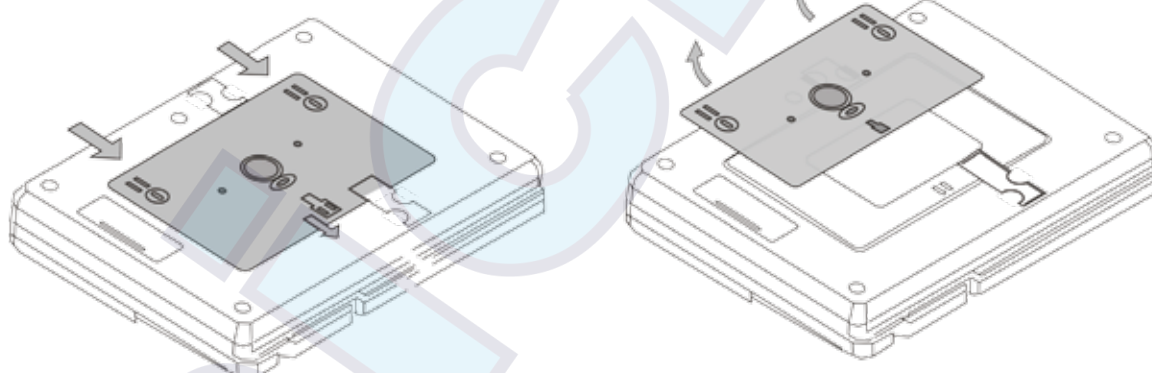
2.Drill a hole on the wall and fixed the bracket on the wall.

Bracket

Mounting hole

Pivot

Mounting hole

Mounting knockout
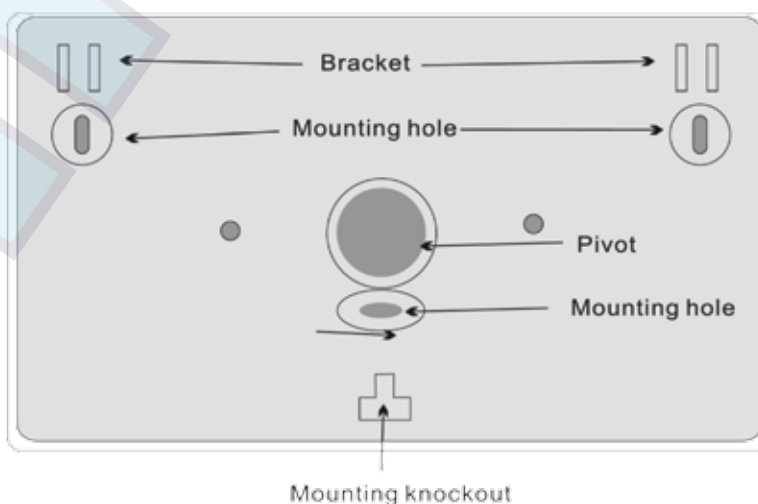
As picture shows： hang the panel on the bracket
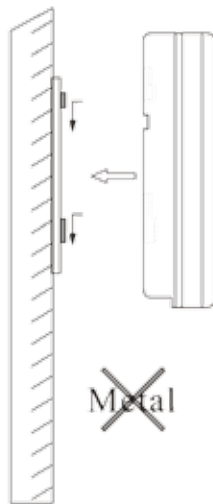
1. There should be no large metal goods around the control.
2. Make sure the distance between the control panels and detectors is valid. And it is better to put the control panel in a covert place.

2.3 Wiring

As picture:
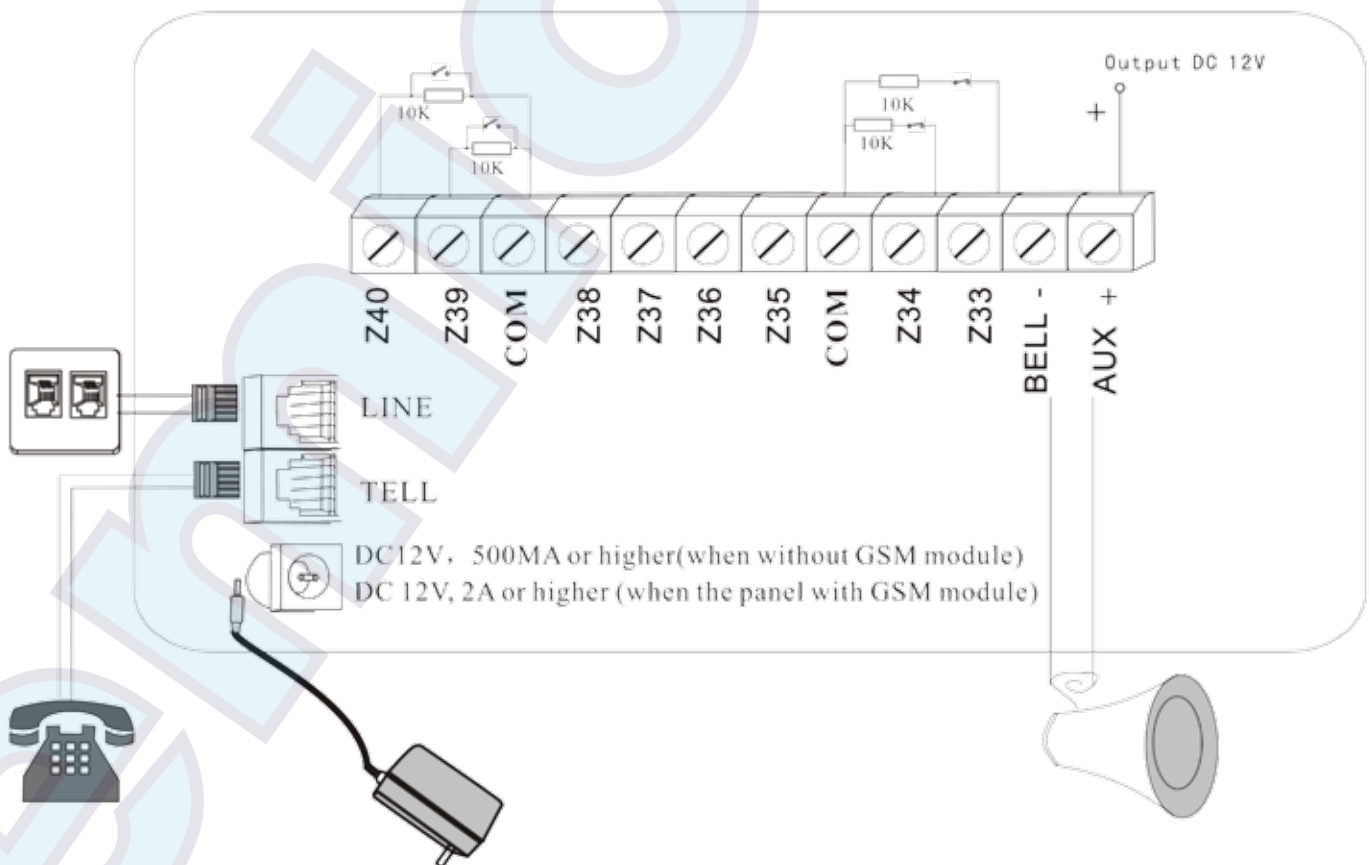
Here only introduce the zone #33,34,39,40. The other zone connect the same way.

2.4 Install wired detector

2.4.1 The wired zone is on bypass status as factory default.If the user need use wired zones, please active them first.When the wired zone is fault,if user arm system .the user will hear "Opration fauilure,zone trouble". The LCD screen will display the fault zone number + 0(zone open loop:zone #+0;zone close loop:zone #+5),under this status pls do not arm system.

2.4.2 The control panel can power 12v,100mA to detectors. The max current can power to wired detectors is 100mA. Do not exceed 100mA, otherwise please adopt extra 12V backup power.

2.5 Intall wireless detector

2.5.1 As the detector's manual says, install coded detector in the area 150m from the control panel。 Please test and make sure detector can work with control panel normally.

2.5.2 Wireless repeater function: when wireless detector is too far from the panel or some occluders between panel and detector which disable the panel receive the signal from wireless detector. Now you can choose our made wireless repeater to achieve wireless signal relay trans mitting.

Chaptor III Easy setup and operation

3.1 Factory default setting

Below are factory default of CL-IV control panel you can keep the default setting or modify .

☆ GSM function:ineffective

☆ Administrator password：9876

☆ user password：1234

☆ Entry and exist delay：10s

☆ Monitoring time：10s

☆ Cycle dial out to make alarm: 5 times

☆ Ringing times to pick phone call automatically: 7 times
（after ringing 7 times the panel will take the phone call automatically)

☆ TEL-line cut-off inspection function effective .

☆ Arm/disarm message report to CMS function ineffective.

☆ Timing arm/disarm option ineffective

☆ Auto arm/disarm time, CMS timing inspection time both are zero.

☆ Alarm type of siren whistle during alarm all the time: burglar alarm, perimeter alarm fire alarm, gas leak alarm and user defined alarm type.

☆All phone number and user code are empty.

☆Siren type of panic zone is silent

☆Wired zone is disabled

zone default set

zone	zone type	siren ring
01	delay	Yes
02	burglar	Yes
03	burglar	Yes
04	perimeter	Yes
05	perimeter	Yes
06	emergency	Yes
07	fire	Yes
08	gas	No
09-32	burylar	Yes

Burglar zone: it is effective only under away arm status, ineffective under disarm and home arm status.
Perimeter zone, delay zone, it is effective under arm status, ineffective under disarm status. Gas leak ,fire , emergency zone: it is effective under any status.
Door bell zone: Give ringing tone when trigger under disarm status.Make alarm when trigger under arm status(report delay alarm)We suggest only set the delay zone on entrance or exit

(This function fit for all 40 zones,set the zone attribution as doorbell zone)

special doorbell zone:this function is only fit for # 32 zone. Enroll a wireless device to zone #32,then set the zone attribution as doorbell zone.then enter the command:858511#. When trigger the #32 zone,pannel and siren will only give ringing tone under both arm and disarm status.

Considering the convenience of user，the factory default can meet most users' requirement. So, common user only need to proceed easy setting.

☆Zone trouble indication：

zone+ "0" ——zone opentcircuit trouble (Wired zone)

zone+ "5" ——zone shortcircuit trouble (Wired zone)

zone+ battery icon+8—— low voltage on detector trouble

zone+ "L" —— wireless detector loss trouble

★means of icon displayed on LCD:

Icon	Meaning	Icon	Meaning
🏠	Home arm	🏃	Away arm
📱)))	GSM using	✗	Disarm
☎	Telephone line fault	🔔	Alarm
🔋	Low battery	••••CMS	Alarm information is reporting

★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

3.2 Basic setting and operation

Indication LED

Arm: Normal on under away arm, blink under home arm.

Disarm: Light on under disarm status, light off under disarm status.

12V : Light on when AC power connect, light off when AC power off.

Alarm: Blink when alarming.

★ Basic setting

Before left factory, in whole kit, the panel had already code with all remote, magnetic contact, PIR detector..

Press *key for 3seconds, then enter administrator password[9876] to enter system setting. For each menu press # to enter and press back key to exist. When enter main menu, panel will sound all menu options one time, then user can press corresponding number or press up, down to to the option you want, then press # to enter setting, then press # or confirm key to save setting.When hear [setting saved] means setting successfully otherwise setting failure.On the key button under LCD screen, there are four button with function [away arm, hone arm,inquiry, panic] under normal status, but when under setting status the four button separately with following function [back, up, down, confirm]. The key on numeric keyboard, numbers for user to enter numbers and [*] for delete, [#] for confirm. Under panel stanby status press disarm button for 3s for emergency help.

★BasicOperation：

Power on/off--When power on AC, backup battery will get ready auto
matically. When AC power off for 20seconds and enter
[1234#] to disarm the system, press and [#]key and hold
on for 3seconds will turn off the backup battery. When
battery voltage reduce to 8.5v, system will turn off auto
matically to protect battery.

System setting-- press [*]and hold on for 3 seconds+administrator
password +[#]key：

Disarm the system -- user password +[#]；

Shorcut operation： numeric key 1-8 separately correspond to 8
electroniswitch.Press the numeric key and hold on for
3seconds will switch on/off the corresponding electronic
appliance.

General operation：

press and hold on key"0"for 3seconds to enter electroric appliacace setting modeswitch on/off electronic appliance.

press and hold on key"0"for 3seconds to enter electroric appliacace setting modeinquiry on/off status of electronic appliance.

press and hold on key"0"for 3seconds to enter electroric appliacace setting mode set timing on/off electronic appliance.

The panel will sound voice indication of setting options anytime entering any menu. Change to neighbour option via "up" and "down"key.

3.3 Alarm receiving phones operation

When the detector is triggered, the panel will sound alarm and display the triggered zone number and alarm type on the LCD screen. If the zone is delay zone,the pannel will give pre−alarm dee dee sound before make alarm,if user do not disarm during the pre−alarm period,the panel will wisthle and dial alarm receiving phone #) When the panel dial the alarm receiving phone #,but user does not answer or get the call connected but make ineffective operation,the panel will continue the alarm reporting.After the phone call get connect,user make effective operation but do not press 1to canel alarm or press 0 to hung up,the panel will call other pre−set phone #.

Alarm receiving

Alarm report

off-hook

The panel will dial the preset voice number

Play the recorded voice message first,then sound:

1 Cancel the alarm press "1"

2 Check alarm zone press 2

3 Listen to the spot press 3

4 Disarm the system press 4

5 Arm the system press 5

6 Activate the hoot press 6

7 Play the zone address recording press 7

0 Hand up press 0

3.4 Remote phone control

User can remote control the system by phone call. After the preset ringing times then panel will off hook the phone then enter the 4 digit user codes according to voice prompting and operate as per the voice prompting.
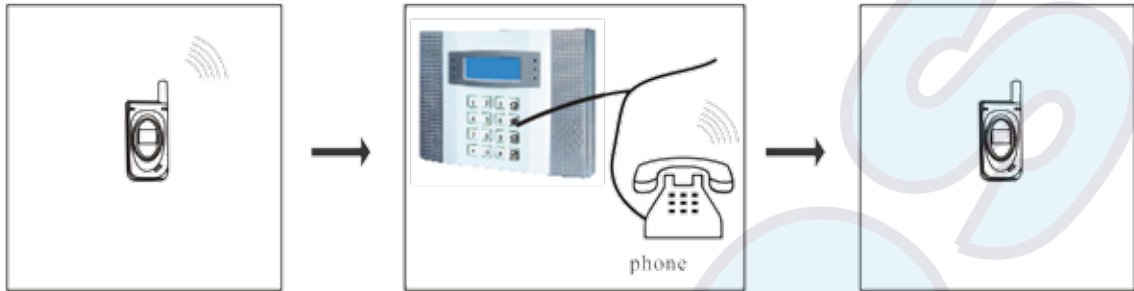
Users to call landline phones

For example, the phone rings 7 times. After 7 times ring, the panel will automatically off-hook.

Enter the user code according to voice prompting

alarm system welcome your calling, please input your password.

1 System arm, press1

2 system disarm, press2

3 inquiry the system status press 3

X X X X → **4** listen to the spot

4.digital user password

5 control the electrical switch, press 5

6 Inquiry the electrical switch, press 6

0 hang up , press 0

3.5 alarm center

The panel use the Ademco Contact ID to sent alarm information to the alarm center. If the panel got the conformation from the center ,then alarm successfully. Or the panel will repeat alarm (the max times re-dialing the center number is 5). Alarm information will be display and resolve by the alarm center computer software.

3.6 alarm procedure

CMS Number   Telephone   Telephone   Mobile

3.The panel will dial 1-4 telephones as preset
   and the siren will sound

Wired

Alarm situation found,
start to send message

Alarm
software

1.the detectors activated
send alarm information to
alarming center

2.sending
alarm information
to CMS

110 alarm
centers

2009 Y
05 M 12 D   12   03

LCD display:
   1.Digital display zone number, the wired zone is 33-40, the wireless zone is
      1-32,the zone number is 00 for remote controller and magnetic door
      contat panic alarm & telephone line off
   2. Icon is for zone type indication

3.7 Telephone line off alarm

If tel-line off check function is effective, when system under arm status, the siren will whistle as soon as the tel-line cut off. Under disarm status, The panel will give voice to tell telephone line cut off for 60 seconds. And if the tel-line connected again or disarm the system this indication voice will stop. Otherwise, the siren whistle for 5 minutes. And at then same time, the panel will send alarm signal to a neighbour panel.

3.8 Anti-tamper function.

1. When the control panel receive a message that the wireless magnetic contact is oping, the panel will solve this as a burglar alarm.(up to the status code, and alarm type). Just after close the door or windows , and panel receive the signal of magnetic contact closed. The panel will then solve the anti-tamper alarm.

2.The display of tamper alarm on the LCD: the zone number , and the status code: 14 for the icon is burglar.

3.9 Event recording and Inquiry

3.9.1 Event record

Arm, away arm, home arm, disarmand other information can be recorded by the control panel.

When the battery of Wireless detector（include magnetic contact）is under voltage, the detector can know when it make timing self-testing, and send signal to the control panel, then the control panel will give indication voice to tell detector under voltage, and display on the LCD

The panel also will send message to the CMS and call the alarm receiving phone number to remind the system manager and user to change battery.

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
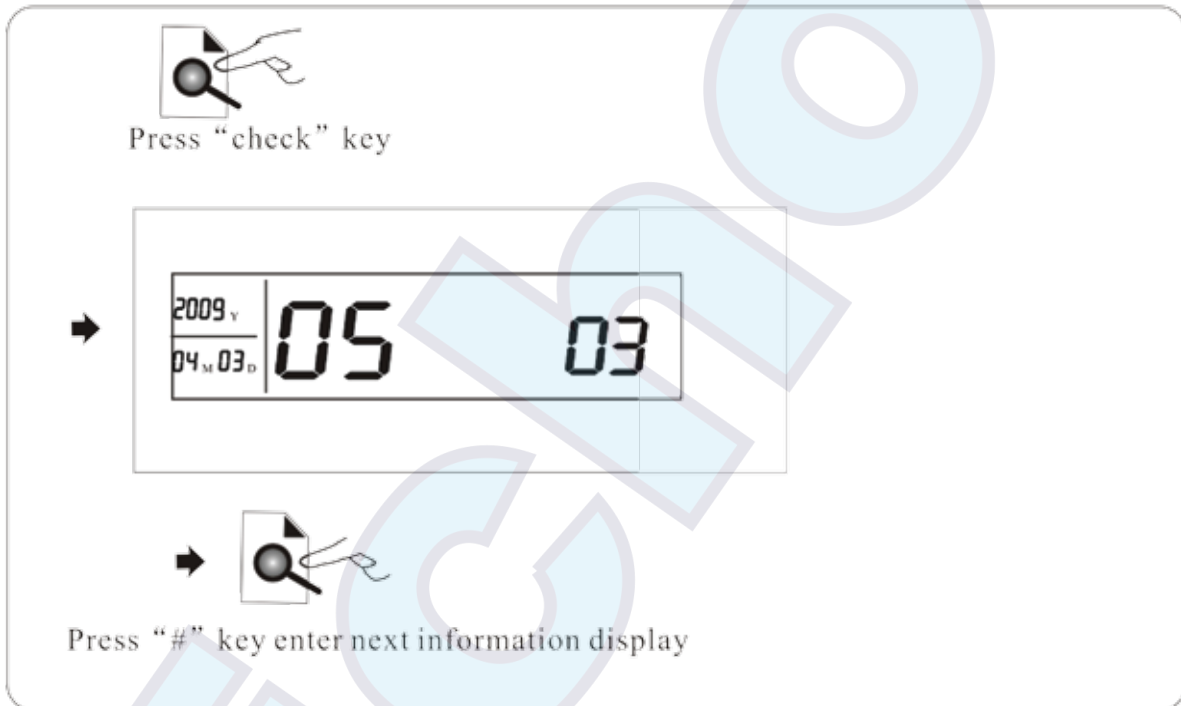
Press "check" key

➡ 2009ʸ 04ᴹ 03ᴰ | 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

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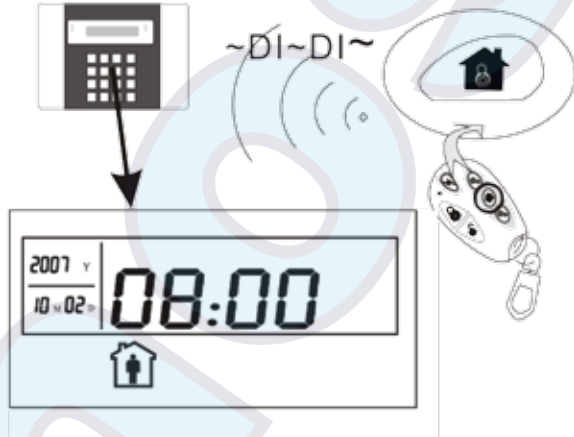
Press the key for home arm on the remote or "HOME" key on the keypad, the panel will give voice to tell system is enter home arming. And it display home arm icon on the LCD screen.

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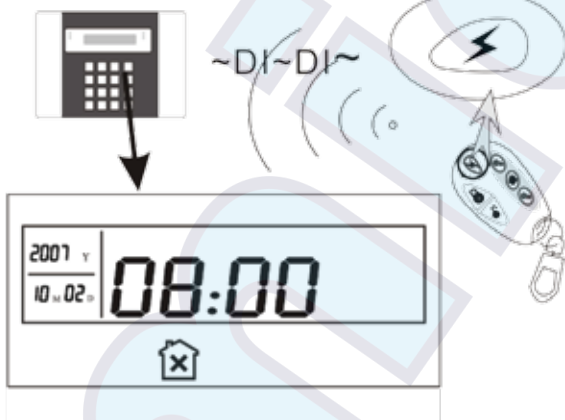
Press the panic button on remoter, or press "confirm/panic" key on panel for 3 seconds, and 10seconds later the panel will dial the preset phone number. And you can disarm to cancel alarm.

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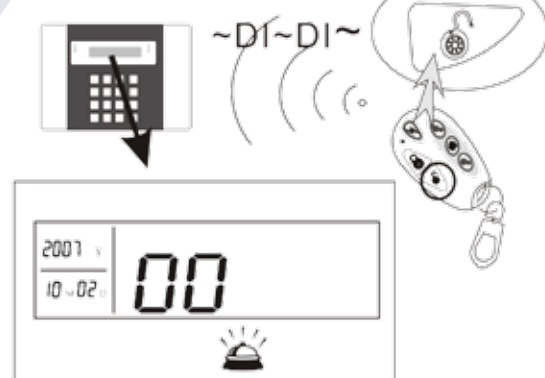
press the disarm key on the remote or enter your user password on the keypad, then you will hear "dee" and voice"system disarmed", then you have disarm successfully.

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.

3.11 Electronic switch operation

Press [0] key for 3s to enter corressponding menu.

electronic appliance control

Press [0] key and hold on for 3 seconds

| ◀)) Electronic appliance control press [1][#] | ◀)) Check on/off status of electronic appliance press[2][#] | ◀)) Set timing switch on/off electronic appliance press [3][#] |

[1] [#]   [2] [#]   [3] [#]

| ◀)) Enter the serial number of electronic appliance | ◀)) Enter the serial number of electronic appliance | ◀)) Enter the serial number of electronic appliance |

[1] — [8] [#]   [1] — [8] [#]   [1] — [8] [#]

◀))The electronic appliance is already switch on/off please press [1] to switch on or press [0] to switch off

◀)) "0" the electronic appliance is switch off already."1"the electronic appliance is switch on already.

◀)) Please enter timing switch on time.

[1] Or [0]

```
01  08:00
```

◀)) Correct operation，Press back key to exist.press confirm key to confirm.

◀)) Press back key to exist. press confirm key to confirm.

[#]

◀)) Please enter timing switch off time.

```
01  09:00
```

☞ User can program multiple timer ON/OFF electric switches per require.Long hold the numeric key between 1-8 of electric switch codes to enable/disable the electronic switch.

◀)) Press back key to exist. press confirm key to confirm.

Chapter IV User setting

user menu

$$[1][2][3][4]+[\text{🔍}] \rightarrow$$

[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.
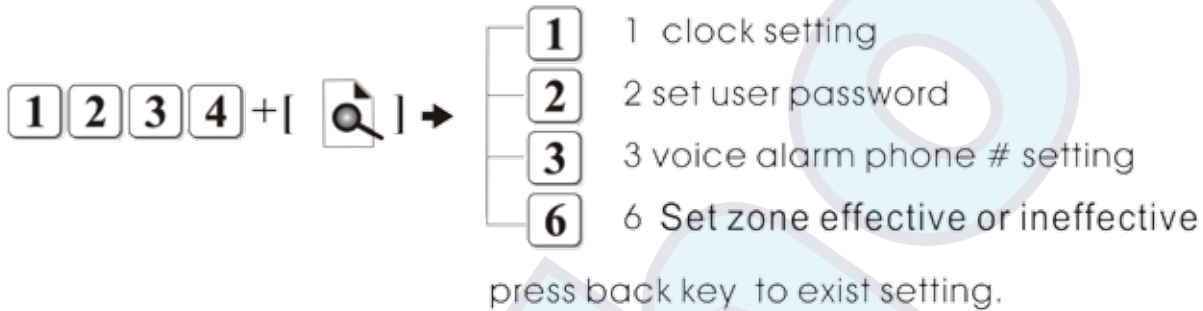
4.1 Clock setting

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 | 2009 / 06/01 | 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 CL-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 display 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
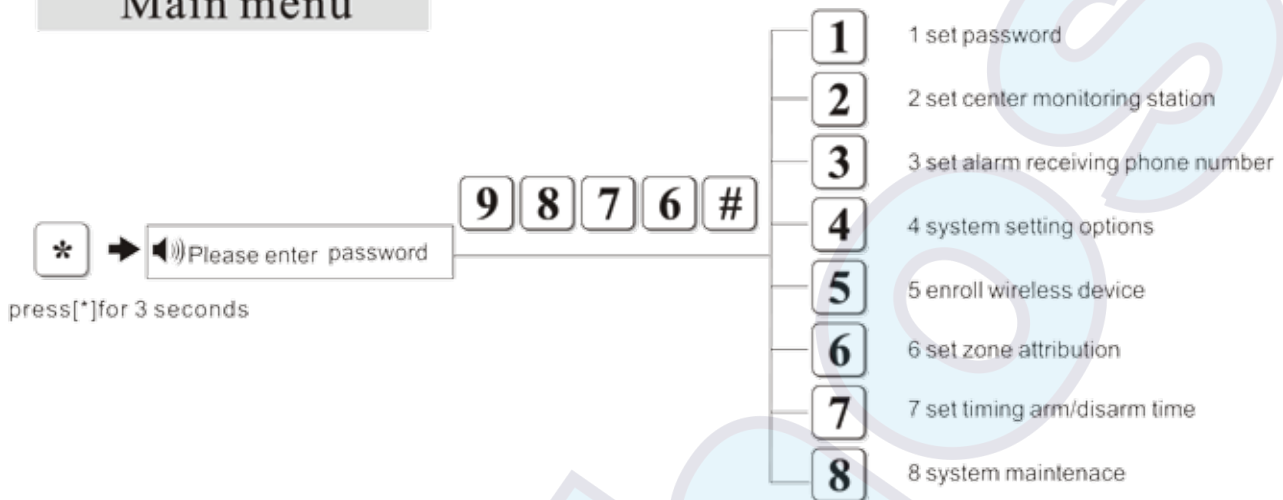
5.3 Set password

★ 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
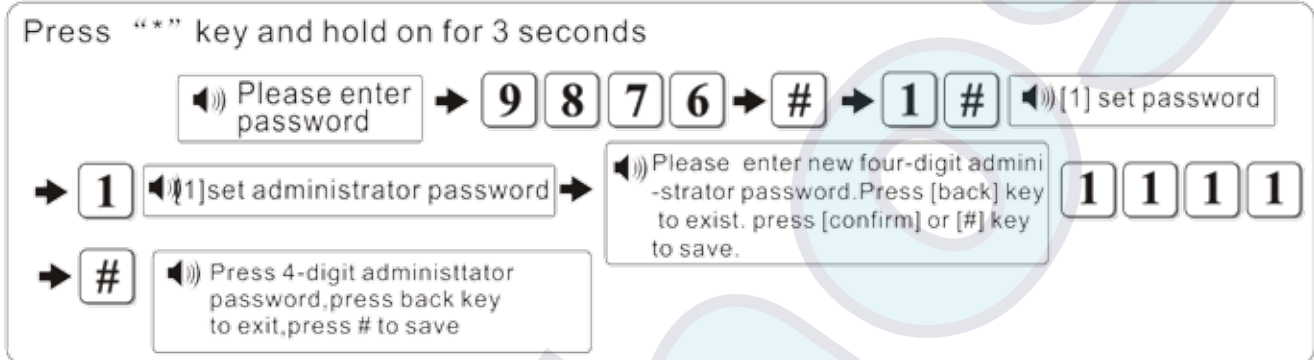
⚠ Note：

    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 | 3 | 4 | 5 | 6 |

◀)) [1] set number one CMS phone number

◀)) [2] set number two CMS phone number

◀)) 3] set free arm phone number

◀)) [4] set free disarm phone number

◀)) [5] set number one user code

◀)) [6] set number two user code

| 1 | # | 2 | # | 3 | # | 4 | # | 5 | # | 6 | # |

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

2001 *
08 - 30 *

X X X X X
#

◀)) Setting is saved

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

#

X X X X X
#

◀)) 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 :

```
                    Set voice alarm receiving #

        ┌──────────────┬──────────────┬──────────────┐
        ▼              ▼              ▼              ▼
       ┌─┐            ┌─┐            ┌─┐            ┌─┐
       │1│            │2│            │3│            │4│
       └─┘            └─┘            └─┘            └─┘
        ▼              ▼              ▼              ▼
  ◀))[1]set first   ◀))[2]set second ◀))[3]set third ◀))[4]set fourth
  voice alarm       voice alarm      voice alarm      voice
  receiving         receiving        alarm receiving  alarm receiving
  phone number.     phone number.    phone number.    phone number.
```

```
                           ┌─┐
                           │#│
                           └─┘
                            ▼
              ◀)) Enter phone #
                  press back key to exit
                  press confirm key to save
                  press[*] to delete
```
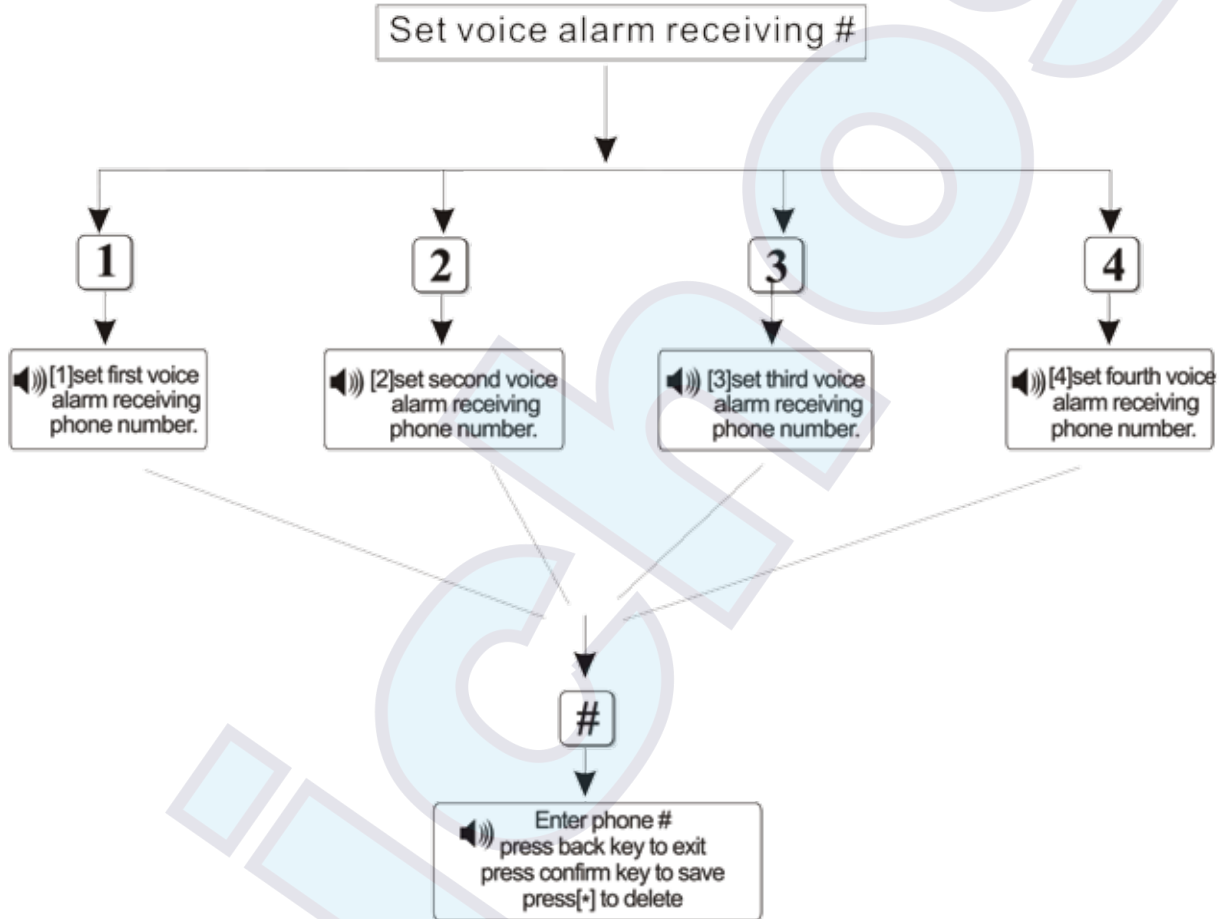
Example 2：panel connect with one telephone .

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

```
Press "*" for 3seconds

◀)) Enter password → 9 8 7 6 # ◀)) [3]Set voice alarm receiving # → 3 #

→ ◀)) Enter phone #
     press back key to exit
     press confirm key to save
     press[*] to delete   → 0 7 5 5 8 7 6 5 4 3 2 1 #

→ ◀)) Setting is saved    System back to the previous menu
```
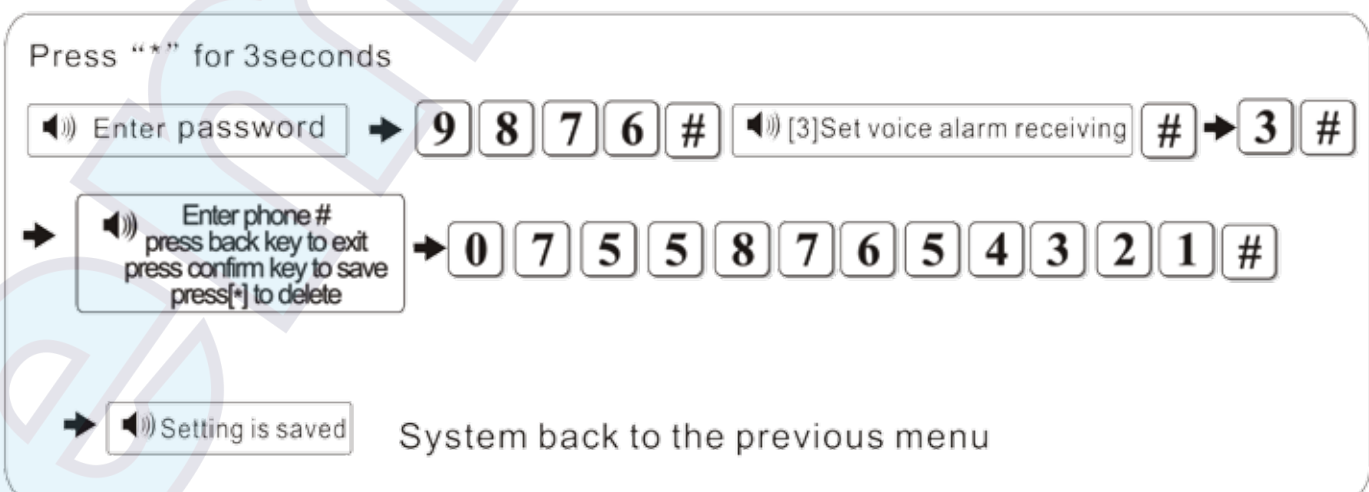
5.6 System setting options

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 01 [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 press confirm key to save

　　　Administrator password

➜ [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

$$ * \rightarrow 9\ 8\ 7\ 6\ \# \rightarrow 4\ \# \rightarrow 6\ \# $$

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

$$ \rightarrow 1\ 8 \rightarrow \# $$ 🔊 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

$$ * \rightarrow 9\ 8\ 7\ 6\ \# \rightarrow 4\ \# \rightarrow 7\ \# $$

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

$$ \rightarrow 0\ 4 \rightarrow \# $$ 🔊 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

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
8	"8" Enroll electronic switch
9	"9" delete electronic switch

`*` → `9` `8` `7` `6` `#` → `5` `#`

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`

`4` `3` `2` `#` → 🔊 Setting is saved

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

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

5.7.4 Enroll and delete electronic appliance switch code
Example: enroll#5 electronic switch(max 8)

Press[*] and hold on for 3S

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

→ **5** → **#**   🔊 trigger the switch press back key to exit, press confirm key to confirm.   → ☞ press the button of the swith till all LED flash   **#**   🔊 Enroll successfully

Example: delete #5 electronic switch

press [*] and hold on for 3S

* → **9 8 7 6 #** → **5 #** → **9 #**   🔊 enter number 1 to8 serial number of electronic switch to delete separately. enter [0] to delete all ,Press back key to exit Press confirm key to confirm

→ **5** → **#** → 🔊 press back key to exit, press confirm key to confirm.   **#** → 🔊 Setting is saved

Save the settings

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. •

Special doorbell zone:Under disarm status,enter 858511#,the zone 32 is
         special doorbell zone.whatever arm or disarm status,it will give
         "ding dong" sound.
Burglar zone:It is effective only under away arm status.
Perimeter zone、delay zone:It is effective under away arm or home arm status.
Key zones: (33-40) wired zones can be programmed as key zones、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.

Wiring method of key zones
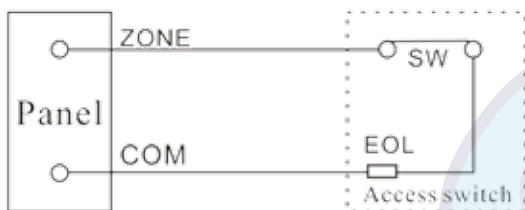
1.N.C.   2.N.O.

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

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.

  Notes：Open circuit is to arm automatically. Disarm when zone is in normal status.

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 │
        └───┘           └───┘        └───┘            └───┘
```
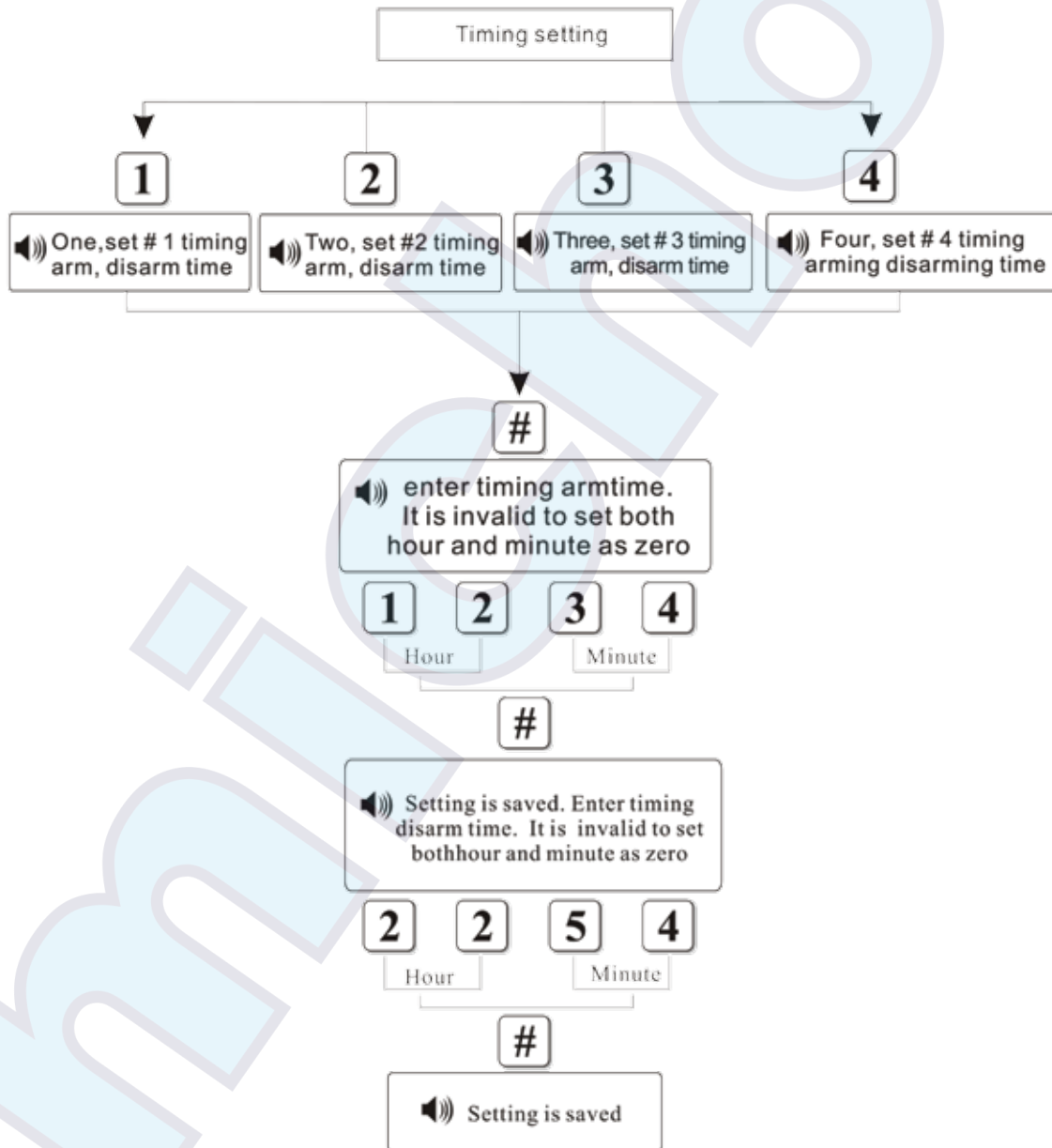
◀)) One,set # 1 timing arm, disarm time　◀)) Two, set #2 timing arm, disarm time　◀)) Three, set # 3 timing arm, disarm time　◀)) Four, set # 4 timing arming disarming time

```
                          ┌───┐
                          │ # │
                          └───┘
```

◀)) **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 bothhour 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 |

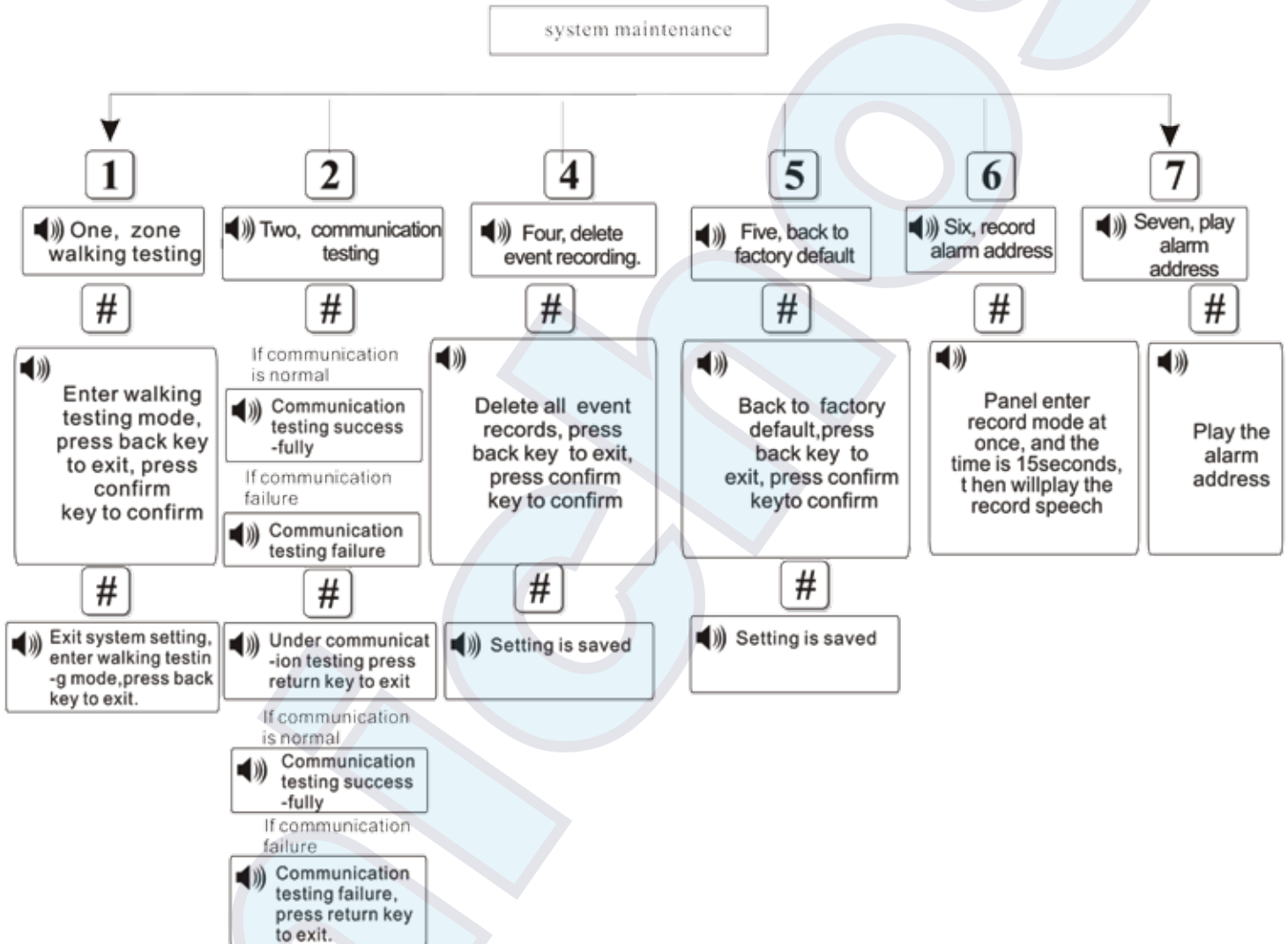👉 Hint: 4 groups of timing arm/disarm can be set according to the schedule of user

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.

6.3 If trigger the detector alarming, the corresponding panel will sound warning tone, at the same time, the number of springing zone and alarming type can display on the LCD. If there is no disarming operation during this time, after the warning time, the panel will dial the receiving alarm phone number. You can hear the voice information of the alarming place while listening the phone. If after 10S, there is no alarming disposal operation or other self-defining key, then the alarm process will go on. When the receiving call is connected and the user operate on the panel, if not press key [2] to release alarming, then the panel will go on to dial-up alarm with the other set number.

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: 433MHz /868MHz(optional)

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

5 Power supply:12V/ 5 00mA (Without GSM), 12V/ 2 A(with GSM)

6.Builtin rechargenble battery: 9.6 V/1600mA

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: 433MHz±0.5MHz

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

13.The method of alarming dial: DTMF GSM

14.DTMF dial frequency variation :< 1.5%

15.Communication Protocol with CMS: Ademco Contact ID

7.2 Physical Performance

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

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

Relative humidity: 85% at 30℃ (86^{0}F)

Dimensions: 230*160*38mm

Weight: 550g

Color: white

Chapter VII| 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 V X 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.