FC-300 User Manual

Brief

Dear customer:

Congratulations on purchasing your new security system and thank you for the confidence you have shown in us. You have chosen a 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

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Accessories

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

- ◆ One Control panel
- ◆ One Wireless PIR sensor
- ◆ One wireless magnetic contact
- ◆ Two remote controllers
- ◆ One adaptor for control panel
- ◆ One user manual
- ◆ 8 resistors for 10K

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, wireless door bell, 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 ,5 or 6 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,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 tie.

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. 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.

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

25. 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 #.

26. 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.

27. Set enable or disable the built-in siren when pressing emergency key on the panel or the remote, please refer to P32.

28. During the alarm receiving procedure the user should enter 4-digit user password to enter. This avoid others without permission to operate the panel.

29. In the voice indication "back " key corresponding to "Return" on the keypad. The "confirm " key corresponding to "#" or "enter" key

1.2 About panel
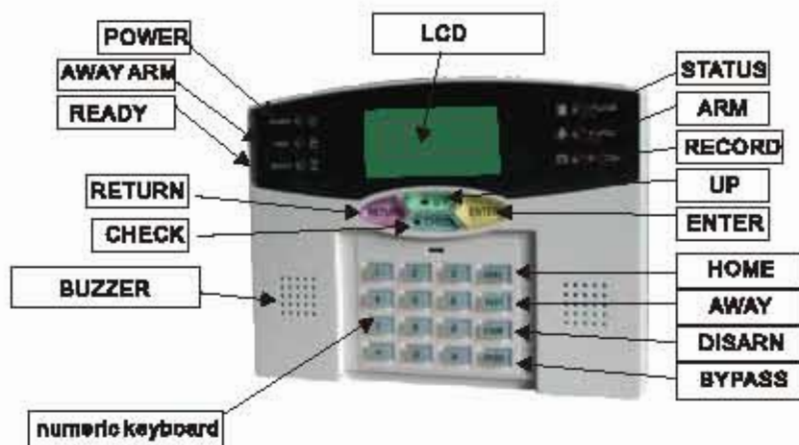
NOTE:
POWER LED: Light on when AC power on, light off when AC power off.
STATUS LED: Light on when wired detector zone , magnetic contact zone is ready. Light off when not ready.

1.3 About ICON

[#] OR 1   Key operation
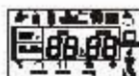
     LCD display

     Speech Indication

     Cautions

     Indication

2. Installation & wiring

2.1 Unpacking the equipment

Open the cardboard packing box and check whether all items have been included. If you find out that an item is missing, contact your vendors or dealers immediately.

2.2 Mounting

It is easy to connect power supply, telephone line and PART A detectors.Installers don't need to uncover the case.

1.Remote the bracket, as figure shown below.

Pull down the bracket as shown ,release the bracket.
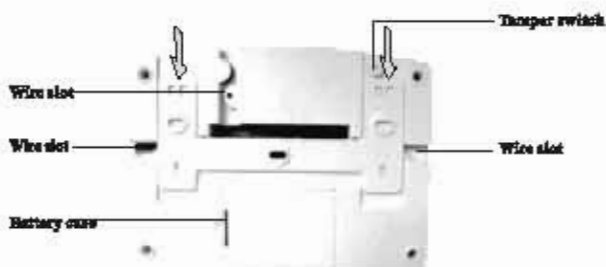
2.Mark and drill holes in mounting surface, fasten the bracket to the mounting surface with screws.
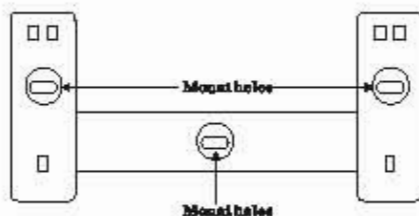
2.3 Wiring

Wire external device to panel：

Support both N.C and N.O wiring mode. It is
N.C mode in the following picture

output DC 12V　　　　　　　　　　　power positive pole output

10K　10K　10K　10K　10K　10K　10K　10K

Note: when without
AC power,only
6V output on
AUX terminal

+Z40　Z39　COM　Z38　Z37　Z36　Z35　COM　Z34　Z33　AUX+　BELL-

TEL　LINE

≤100mA

Telephone

work voltage 6-12Vsiren

DC 12V
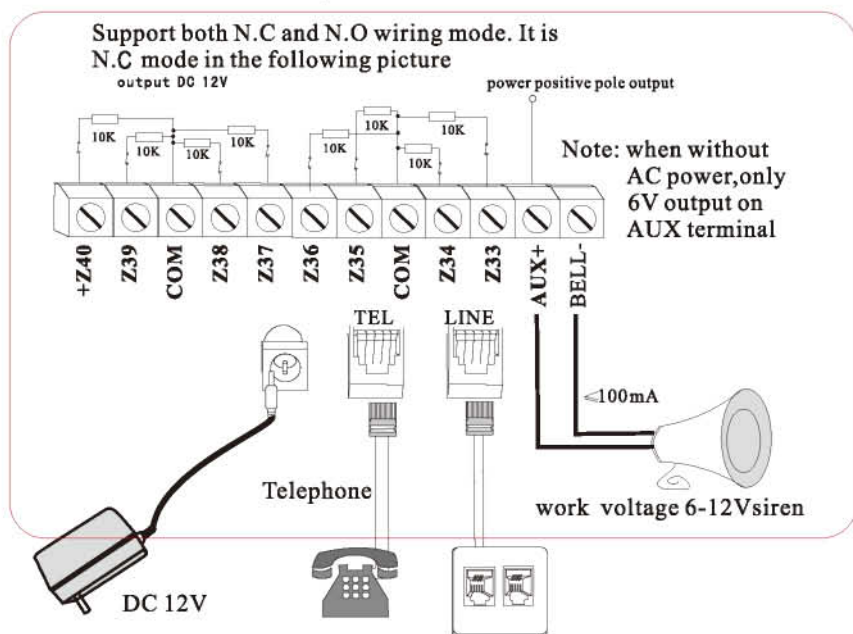
2.4 Install wired detector

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,the user will hear "zone fault" The LCD screen will display the fault zone number+⊏.But can not arm on remote or keypad successfully.

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.

Chaptor III Easy setup and operation

3.1 Factory default setting

Below are factory default of FC-300+ control panel you can keep the default setting or modify .

☆ 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
☆33-40 wired zones，All zone is disabled

zone default set

table one

wireless zone	zone type	siren type
01	delay	sound
02	burglar	sound
03	burglar	sound
04	perimeter	sound
05	perimeter	sound
06	emergency	sound
07	fire alarm	sound
08	gas	mute
09-32	burglar	sound

NOTE:
★ Burglar zone :only effective under away arm status .
★ Doorbell zone: Under home arm/away arm status, trigger the doorbell zone will report delay alarm. Under disarm status, trigger the doorbell zone will sound ringing tone.
★ Perimeter zone/delay zone: only effective under arm and homearm status
★ Gas , fire alarm, emergency alarm: under arm and disarm status effective
 　we do not suggest user set zone siren type as mute.
★ Delay zone always fit for entrance or exit.

NOTE: The 41 zone is for dual-way wireless siren

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;
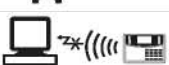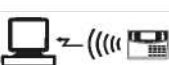
    zone+ "C" ——zone open loop trouble(wired zone)

    zone+ "O" ——zone shortcut trouble(wired zone)

                  zone is triggered(wireless zone)

    zone+ battery icon—— low voltage on detector trouble

    zone+ "L" —— wireless detector loss trouble

★means of icon displayed on LCD:

Icon	Meaning	Icon	Meaning
▦	Perimeter zoon	📶	Enroll devices
☎	Telephone line fault	⊠	Disarm
🏃	Burglar alarm	🏠	Home arm
💥	Panic alarm	🏠	Away arm
SOS	Help	🔊	Alarm
119	Fire alarm	▬▬▬▬	Adequate battery voltage
	Gas leak	▬▪	Low battery
🚔	Special alarm		
💻 ⁓*(((▪	Center link failure	💻 ⁓(((▪	Alarm information is reporting

3.2 Basic setting and operation

Indication LED:

Arm LED-- Normal ON when under away arm status, normal blink
          when under home arm or disarm status.

Ready LED-- Normal ON when under disarm status, off after
           system is armed.

Trouble LED-- Normal ON under AC/DC trouble, communication
            trouble, TEL line trouble

Alarm LED-- FLASH when making alarm

Status LED--OFF when wired zone fault

★ 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 [home arm, away
arm ,disarm, bypass] 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.

★BasicOperation:

Power on/off--When power on AC, after AC power off, backup battery will
             get ready automatically. When battery voltage reduce to
             5.5v, system will turn off automatically to protect battery.

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

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

The panel will sound voice indication of setting options anytime entering
any menu. Change to neighbour option via "up" , "down"key , or press numeric
button to choose option in menu, then press confirm key or corresponding
numeric button again to enter the option. up/down key are for choosing option,
[*] for deleting..

★Command: (on disarm status)

Diable tel-line off inspection function-----------747410#

Enable tel-line off inspection function----------747411#

Disable magnetic contact inspection function------ 747413#

Enable magnetic contact inspection function -------747412#

Note: Tel-line inspection and magnetic contact inspection function are enble as factory default

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. The panel will dial the preset voice numbers if there is no disarming operation during this period.

When the panel dial the preset voice numbers, if there is no operation or not disable the alarm by pressing" 1 or 4" key, then the panel will continue to call other voice numbers.

Alarm receiving

The panel will dial the preset voice number

Alarm report → off-hook → play 10s record → enter 4 digit user password
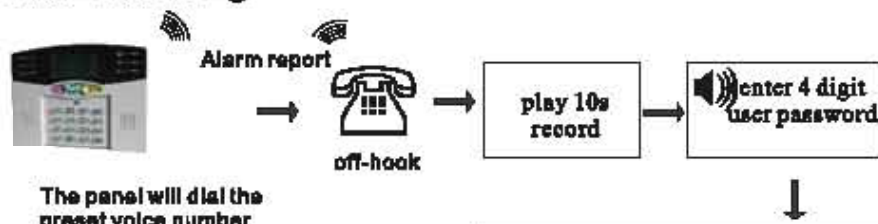
Alarm occurs, please operate as following indication

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.
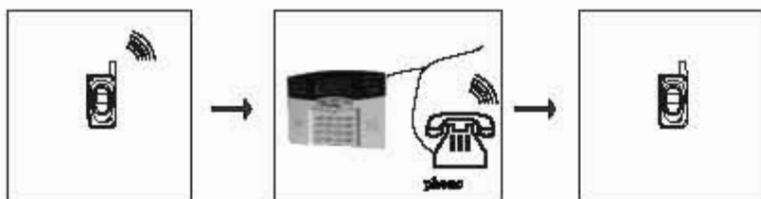
Users to call landline phones | For example, the phone rings 7 times. After 7 times ring, the panel will automatically off-hook. | Enter the user code according to voice prompting

Alarm system welcome your calling, please input your password.

1	System arm, please press1
2	system disarm, please press2
3	inquiry the system status please press 3
4	listen to the spot
0	hang up , please press 0

X X X X # →

4.digital user password

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

Burglar zones and delay perimeter zones are enabled/disabled by home/ away arming/disarming others zones are 24hr zones

Alarm Process Diagram

CMS Number   Telephone   Telephone   Mobile

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

Wired

Alarm
software

Alarm situation found,
start to send message

1.the detectors activated
send alarm information to
alarming center

2.sending
   alarm information
110 alarm   to CMS
centers

2005 y
06m 08 x   12

ARM   ALARM

LCD displaying:
1.Number shows which zone alarm, 33-40 means wired zones, 1-32 means
   wireless zones,emergency help in remote magmetic ontact. 00 means the
   telephone line cut or arm/disarm
2.the icon on display also indicate type

3.7 Telephone line off alarm

If tel-line off check function is effective, when system under arm status, the siren will whistle 15s after the tel-line cut off. Under disarm status, After 15s 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 in dication 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.
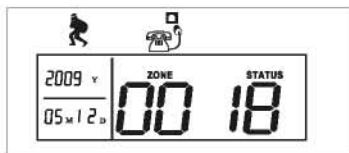
3.8 Anti–tamper function.

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
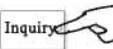
Arm, away arm, home arm, disarm, telephone line cut-off , low battery status and other information can be recorded by the control panel.

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: low voltage icon, and zone number and low voltage code(19), eg, 16 19, means no.16 zone with low voltage. 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

Inquiry

Press "check" key

```
2009 Y
04 M 03 D
08:30
```

Event Status

01 Delay zone
02 Perimeter zone
03 Burglar zone
04 Emergency zone
05 Fire alarm zone
06 Gas alarm zone
07 Anti-tamper zone
08 Disarm
09 Arm
10 Home arm

Inquiry

Press "#" key enter next information display

3.9.3 AC power off and restoration testing function: If the ACpower iswhen the AC off,the trouble LED will be on the panel will report AC loss to the CMS,when the AC is restoral the panel will send restoral message to CMS

3.9.4 Low voltage inspection function on panel backup battery When AC power of panel is off,and the backup battery voltage get lower than 6.0 V. The panel will send message to CMS.
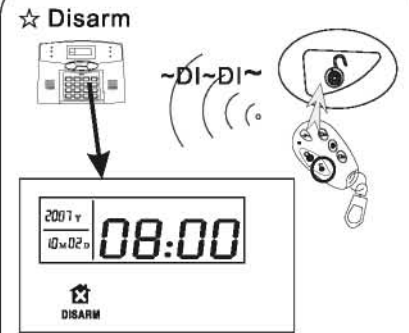
3.10 Easy operation

☆Away Arm

~DI~DI~

```
2007 Y
10 M 02 D   08:00
    🏠
   AWAY
```
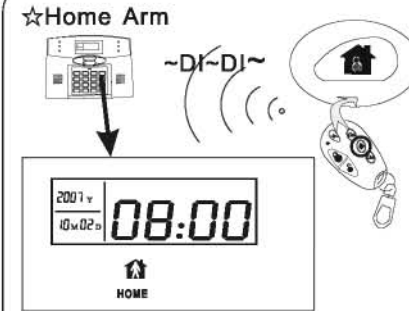
Press the key for arm away on remote or the keypad, then you hear "the system is arming" there will be 10 sounds "Dee" to tell you arm the system successfully

☆ Disarm

~DI~DI~

```
2007 Y
10 M 02 D   08:00
    ❌
  DISARM
```
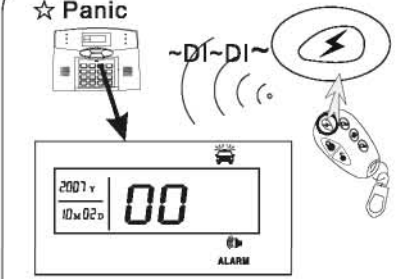
press the disarm key on the remote or enter your user password on the keypad, then you will hear "dee" and voice"system disarmed", then you have disarm successfully.

☆Home Arm

~DI~DI~

```
2007 Y
10 M 02 D   08:00
    🏠
   HOME
```

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

~DI~DI~

```
2007 Y
10 M 02 D   00
    🚗
  ALARM
```

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

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 4 User setting

user menu

Password +[bypass] →

1 — 1 clock setting
2 — 2 set user password
3 — 3 voice alarm phone # setting
6 — 6 zone setting
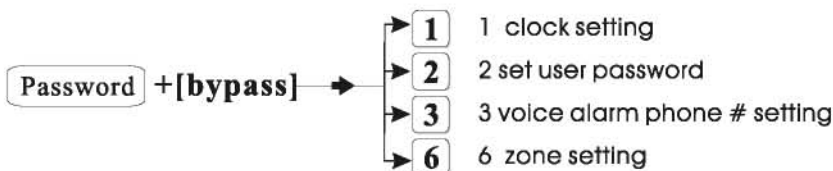
press back key to exist setting.

4.1 Clock setting

Enter[Password]+[bypass]+[1]+[confirm] enter clock setting, details please read P24,chaptor 5.61

Press[*]3s

Password   **bypass** → 1 #   ◀)) Enter Y.M.D.H.M. press back key to exit press confirm key to save   2009 06м01 to 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

[Password]+[bypass]+[2]+[confirm]   ◀)) enter 4-digit user password, press back key to exist press confirm key to confirm.   +[xxxx]+[confirm]   enter 4 digit new password

4.3 Voice alarm phone # setting

Enter [Password] +[bypass]+[3]+[confirm] enter voice al arm phone # setting . for details please read P 23,chaptor 5.5

4.4 Zone setting（effective or ineffective）

[Password]+[bypass]+[6]+[confirm]   ◀)) enter the zone # from 1-40 to modify, press back key to exist press confirm key to confirm..   +[xx]+[confirm]

◀)) Please choose, press 1 to set on, press 0 to set off.   +[1]+[confirm]

Chapter V System Setting

We will introduce the function setting of FC-300+ 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 "setting" and "exist" function. [#] with confirm 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.

★ Press [*] key and hold on for 3 seconds to enter setting sstatus. Enter administrator password , then press the corresponding key to enter option setting .Everytime enter correct command please press [#] to enter the advanced menu.After you enter the advanced menu ,for user convenience the screen will dis -play 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.

★ 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 administrator password ➔ **9 8 7 6 #**

press[*]for 3 seconds
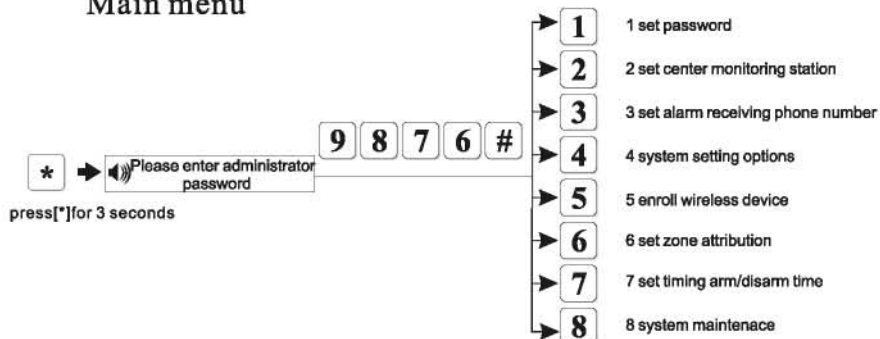
5.3 Set password

★ 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：Mmodify the administrator passwor 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

➡ # ◀») Setting is saved
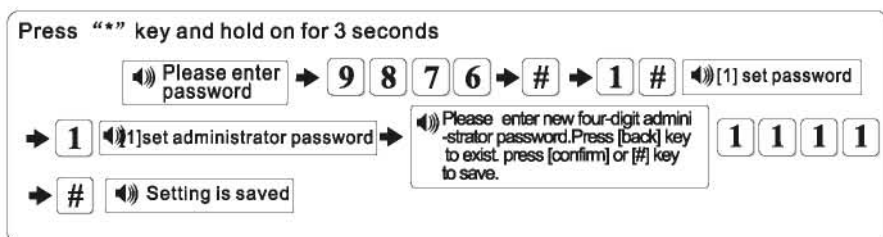
⚠ Note：

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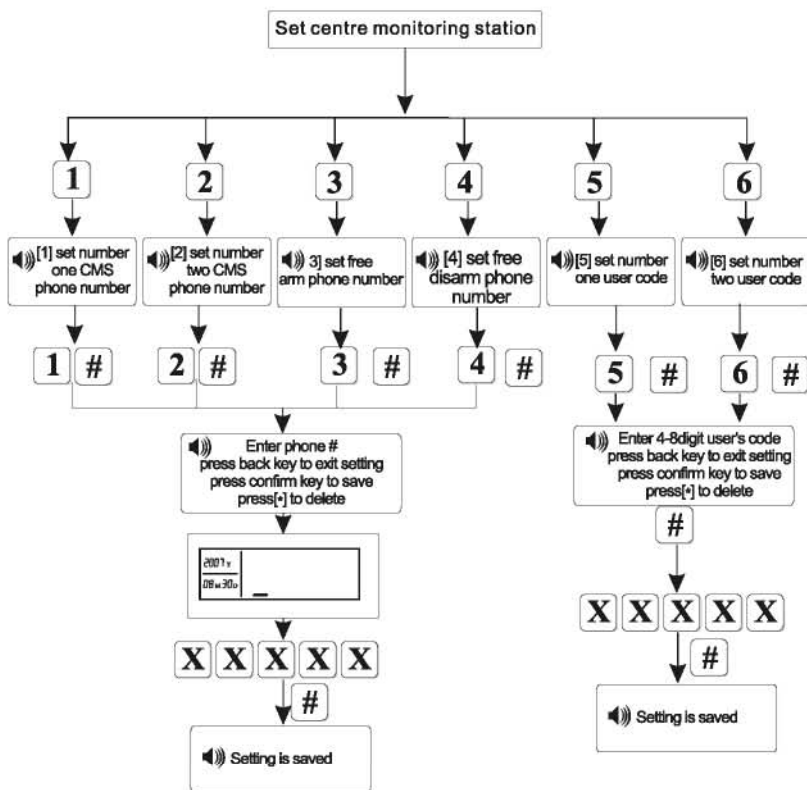
👉 The user code in the CMS setting which is identification code in the CMS. And the user code in transfer alarm setting is user, identification code between same model panel

★After set CMS #,user's code should be also programmed. The panel adopt 4-8digit algorism user code to meet the demand of different users quantity.It can used for telecom alarm receiving center system. Use 4,5digit user's code,armed/disarmed message will sent to first or second receiving alarm center phone; alarm message will sent to the firstor second recieving alarm center and all of voice receiving alarm. Use more 6 digit user's code,disarmed/armed message will sent to the second receiving alarm center;the alarm message will sent to the first receiving centerand all of vioce receiving alarm center phone.

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 voice   ◀)) [2]set second voice   ◀)) [3]set third voice   ◀)) [4]set fourth voice
alarm receiving   alarm 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
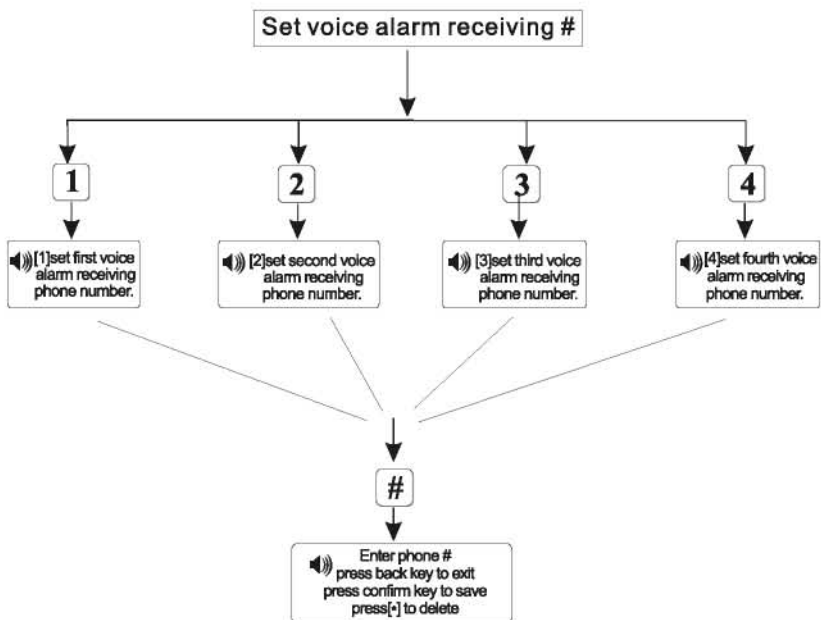
Example 2：panel connect with one telephone .

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

Press "*" for 3seconds

◀)) Enter system code ➡ 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
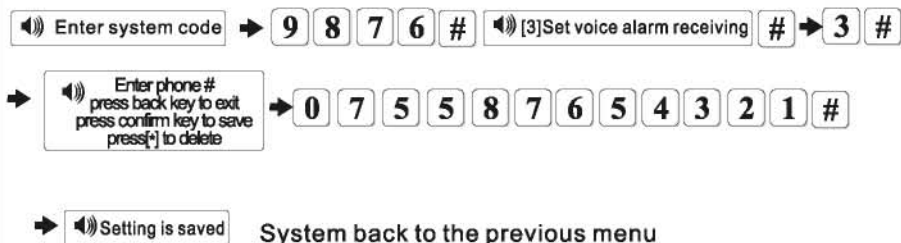
5.6 System setting options

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]→[Y]→[M]
→[D]→[H]→[M]→[#]

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 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 009s

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 3 digit number from 001-255s, add 0 if lower than 10. Like, 9 enter as 009.

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 089s

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 3 digit number from 001-255s, add 0 if lower than 10. Like, 9 enter as 009.

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 00-99.When set as 00,the remote control function will be disable. The max time are subject to local max phone time regulation.

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

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

Press [*] and hold on for 3 seconds

* → 9 8 7 6 # → 4 # → 6 #   ◀)) Enter 0-24hours interval on detector loss inspection, 0 for not inspect.Press back key to exit . Press confirm key to save.

→ 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
We do not suggest set shorter than 4 hours.

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

* → 9 8 7 6 # → 4 # → 7 #   ◀)) Enter 0 to 24 hours interval on communicationin spection, 0 for not inspect.Press back key to exit .Press confirm key to save.

→ 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.

→ [1] → [#] ◀》 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

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
[*] ➜ [9][8][7][6][#] ➜ [5][#] ➜	4	"4"Enter code of detector
5	"5" delete remote
It's suggested user to enroll detectors/ | 6 | "6" delete detector |
remote by manually enter the codes | 7 | "7" Enroll wireless siren |
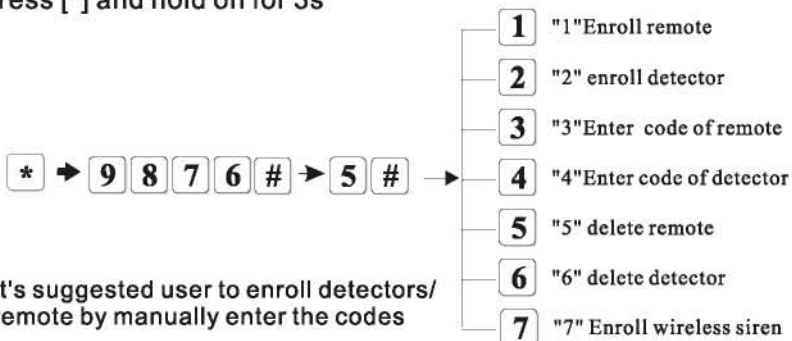
5.7.1 Enroll remote and delete remote

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
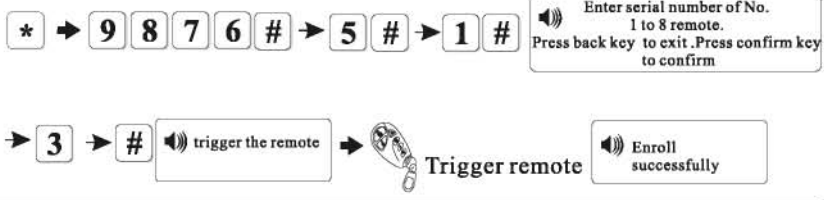
2)Enroll manually
Press[*] and hold on for 3S

[*] ➜ [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
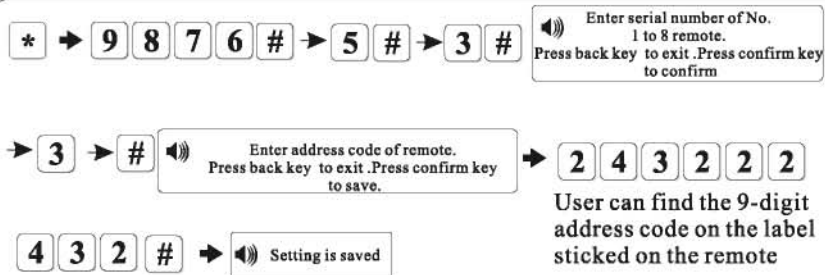
3)Delete remote

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 back key to exit, press confirm 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

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 4-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
Example:

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 ar m status, triggerthe doorbell zone will report delay alarm. Under disarm status, trigger the doorbell zon e will sound ringing tone.

Wiring method of key zones

1.N.C.

Panel	ZONE ——o SW o——
	GND ——— EOL
	Access switch

2.N.O.

Panel	ZONE ——o SW o——
	GND —— EOL
	Access switch
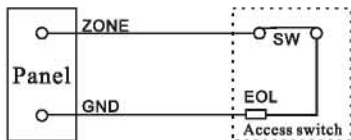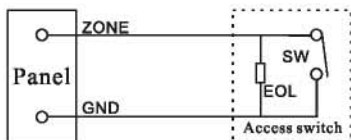
Key zones:
(33-40) wired zones can be programmed as key zones, Press * and hold for 3 seconds, enter administrator password [#]+[6][#]+[1] [#]+ [zone number] +[#]+[7][#].
When the zone is programmed as key zone, the panel status will be same as current key zones status when power on instead of rest oring 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

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

5.9 Set timing operation

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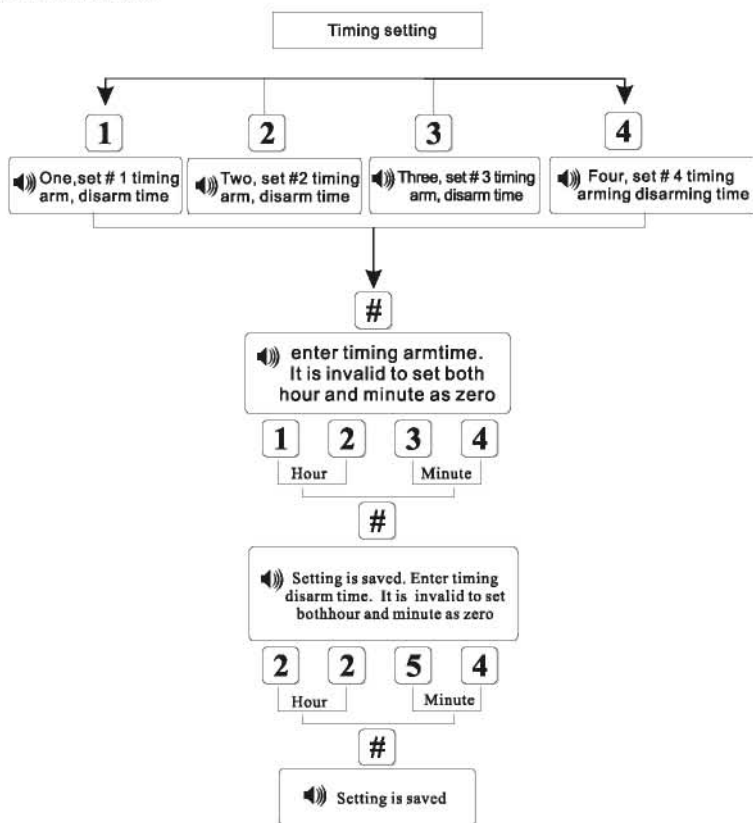
Example: Set timing arm at 6:50 AM , timing disarm at 8:35 PM.(Enable set
        total 4 groups of timing arm/disarm time)

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   ➔ [2][0][3][5]
                          invalid to set both hour and
                          minute as zero

[#] ➔ ◀)) Setting is saved Save the settings
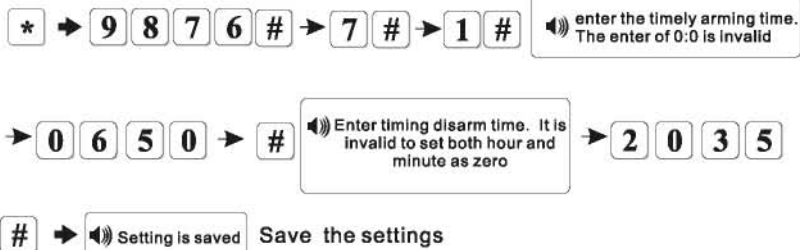
Hint: 4 groups of timing arm/disarm can be set according
to the schedule of user

5.10 System maintenance

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

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

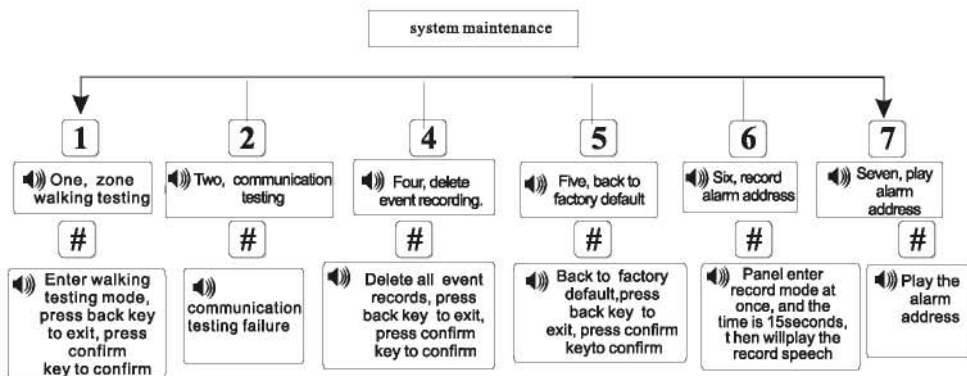| 1	2	4	5	6	7
◀» One, zone walking testing	◀» Two, communication testing	◀» Four, delete event recording.	◀» Five, back to factory default	◀» Six, record alarm address	◀» Seven, play alarm address
#	#	#	#	#	#
◀» Enter walking testing mode, press back key to exit, press confirm key to confirm	◀» communication 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

Chapter V alarm and receive alarm

6.1Only 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.

6.2The 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 VI Technical specification

7.1 General data

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

2 Zone type: robbing alarm, thief alarm, gas leak alarm, ambulance alarm, self-defined alarm, fire alarm and boundary alarm events

3 Frequency: 433MHz

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

5 Power supply:12V/500mA

6.Builtin rechargenble battery: 7.2V/500mAh

7.Main machine static current: 40mA /12v (exclude wire detector current)

8.Main machine alarming current: <250mA /12v (exclude high siren current)

9.Main machine 12v maximum output current: $\leqslant$100mA for wired detectors

10.Recording time: 15s

11.Frequency: 433MHz$\pm$0.5MHz (868MHz one is different)

12.The trigger delay of wired zones: $\geqslant$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°F to 120°F (0°C to 45°C)

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

Relative humidity: 85% at 30℃ (86°F)

Dimensions: 166*115*30mm

Weight: 430g

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 VIII 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,

FCC WARNING

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

-- Reorient or relocate the receiving antenna.
-- Increase the separation between the equipment and receiver.
-- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
-- Consult the dealer or an experienced radio/TV technician for help

This equipment complies with Part 68 of the FCC rules. Located on the equipment is a label that contains, among other information, the ACTA registration number and ringer equivalence number (REN.) If requested, this information must be provided to the telephone company.

The REN is used to determine the quantity of devices which may be connected to the telephone line. Excessive REN's on the telephone line may result in the devices not ringing in response to an incoming call. In most, but not all areas, the sum of the REN's should not exceed five (5.0). To be certain of the number of devices that may be connected to the line, as determined by the total REN's contact the telephone company to determine the maximum REN for the calling area.

This equipment cannot be used on the telephone company-provided coin service. Connection to Party Line Service is subject to State Tariffs.

If this equipment causes harm to the telephone network, the telephone company will notify you in advance that temporary discontinuance of service may be required. If advance notice isn't practical, the telephone company will notify the customer as soon as possible. Also, you will be advised of your right the file a complaint with the FCC if you believe it is necessary.

The telephone company may make changes in its facilities, equipment, operations, or procedures that could affect the operation of the equipment. If this happens, the telephone company will provide advance notice in order for you to make the necessary modifications in order to maintain uninterrupted service.