

KTC-32WL

Installation manual of intelligence wire/wireless alarm panel

Ningbo KEST Security Technology co., Ltd

Dear customer,

Congratulations on purchasing your new SMART HOME security systems and thank you for the confidence you have shown in us. You have chosen a high-quality product that has been manufactured tested and packed with care.

Please familiarize yourself with these instructions, before attempting to install the SMART HOME security system. Because prolonged reliable and trouble-free operation will only be ensured if it is fitted properly, We hope your new SMART HOME security system will bring you lasting pleasure.

“SMART HOME” series are wired and wireless compatible systems, employed the latest digital transmission and control technology. It is a multi functional integrative system feature functions of burglar alarm, fire alarm, gas leakage alarm and smart electronic appliances control.

“SMART HOME” series employed the random jumper code technology to ensure the security and reliability, avoiding the disturbing, false alarm and alarm failure problems. They adopt the common communication protocol in the world like CONTACT ID and 4+2 for compatible with the products under other brands. “SMART HOME” series are the typical products of smart home security and control systems nowadays. They are applied widely by apartments, villas, stores and other place need security and automatic control.

Function Brief

1

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- 8 wire zone,25 wireless zone,5 remote controller and 1 doorbell
- Sound reminder in all of the process,don't need to remember the complex operation process.
- English roll menue,very convenience for using
- Adopt 433MHz receiving frequency
- 3 settings of alarm center,5 settings of individual telephone number
- Own many modes of transfer for alarm signal,high speed CONTACT ID,485 etc
- Using telephone to implement talk to each other,long distance control and supervision,and can inquire alarm situation in time.
- Can link any kinds of wire detector.
- Can use programme to arm and disarm randomly
- It can decode and automatic match code,it also can identify the code of wireless detector or remote controller automatically,don't need to modify hardware.
- Setting of sound secretary,can speak by time-lapse,also can pick-up the information any time
- Possess the function that can identify the floor zone
- Three kinds of operation password,installer password,user password,duress password
- Adopt 24 bits wireless ID code
- There are many kinds of the setting mode of zone that like immediate zone,stay zone,intelligence zone,that can effective reduce the discommodity of misinformation that from detector.
- There a many shortcut keys,that user can operate it conveniently.
- Black box function can record 128 alarm,fault and arm/disarm information.
- The volume of siren can be adjusted

1 Prompt Operation Of Main Performances

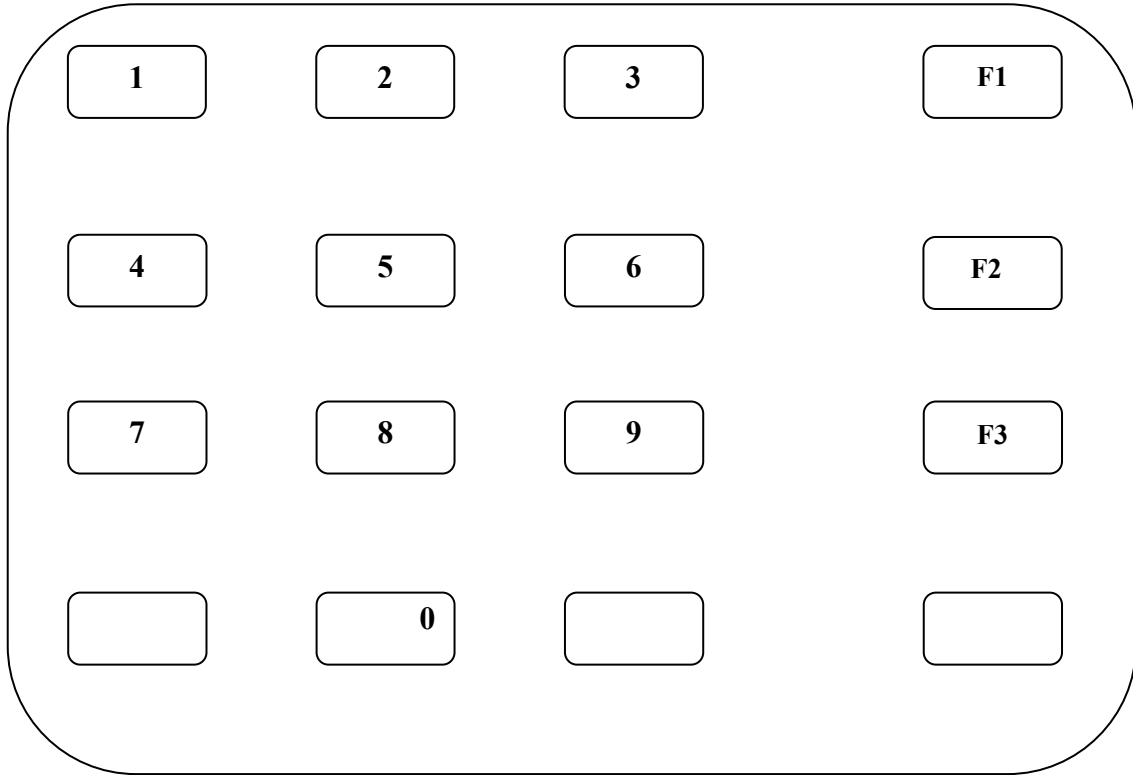
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Drawing□1□

1□1 Prompt performances□

performances	Method
Away prompt arm	1□ Directly use remote controller 2□ Press “F1” on panel, all zones armed
Stay prompt arm	1□ Directly use remote controller 2□ Press “F2” on panel, all zones armed
Disarm	1□ Directly use remote controller 2□ Operate on panel, password+ “F3” + zone
Bypass setting	1□ Press “F4”+“#”at disarmed status, can cancel bypass 2□ Press “F3”+“#”within exit delay time
Remote Telephone control	Press password+ “#” after dialing the telephone, then operate according to the sound
Sound	Press “9998” + “F3” on the panel for recording and releasing, press “F3” for confirming
Search recorders	Press“#” for searching the record of arm, alarm and disarm ect..

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1 □ 2 Comment of technical noun

- **Fire and gas zone** □ Also called 24 hours zone, if this kind of zone is setted, despite panel whether under the situation of arm or disarm, only need to trigger, then will alarm.
- **Immediate zone** □ after setting the zone as immediate zone, as long as be triggered at the status of armed, panel will generate the alarm immediately, the buzzer in the panel will alarm as well.
- **Stay zone** □ also named inner zone. After setting the zone as stay zone, even if be triggered at the status of stay armed, the zone will bypass automatically as well.
- **Perimeter zone:** It correspond to inner zone, this zone will generate the alarm after be triggered.
- **Intelligent zone:** also be called combination zone, the zone after be setted as the intelligent zone, the panel will not generate the alarm even if be triggered, but will generate the alarm after be triggered continuously. The advantage of intelligent zone is which can reduce the wrong alarm.
- **Delay zone:** the panel will not generate the alarm at once when the zone be triggered within the delay time. This function used when the master come back to home, he will have time to disarm.
 - **Exit delay:** if set the zone with exit delay, then the panel will wait to arm even if the zone be triggered until the exit time finished. This function will make the master have enough time to exit before armed.
 - **Entry delay:** if set the zone with entry delay, then the panel will wait to disarm even if the zone be triggered until the entry delay time finished. This function will make the master have enough time to enter before disarmed.
- **Panel's zone:** Its different with above zones, you have to set the zone as panel zone if you want let panel contact to central through CONTACT ID.
- **Panic/silent zone:** the panel always generating the alarm no matter arm or disarm, but the siren will be silent.
- **Bypass:** if set the zone as bypass, the zone will not generate the alarm even if be triggered.
- **Alarm central:** contact with receiver, and install the software, when the panel generate the alarm, it will send this alarm to central through telephone line, and the safety guard will have the measures according to alarm. The communication method is CONTACT ID.
- **Telephone alarm:** when the panel generate the alarm, it will be sent through dialing the telephone that you set in advance, which will let you know the alarm even if you are in the outer side.
- **Sound** □ This panel can record 3 times, and every time have 8 seconds to record your messages. You can release the record in timing according to detail situation, and also can release the record when the panel call to your telephone for alarm.
- **Arm in timing:** the panel can be set 3 different time to arm/disarm, after setting, panel will automatically arm/disarm according to the set time.
- **Administrator's password:** the highest password for manager this panel, through

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this password can reset all the panel's functions.

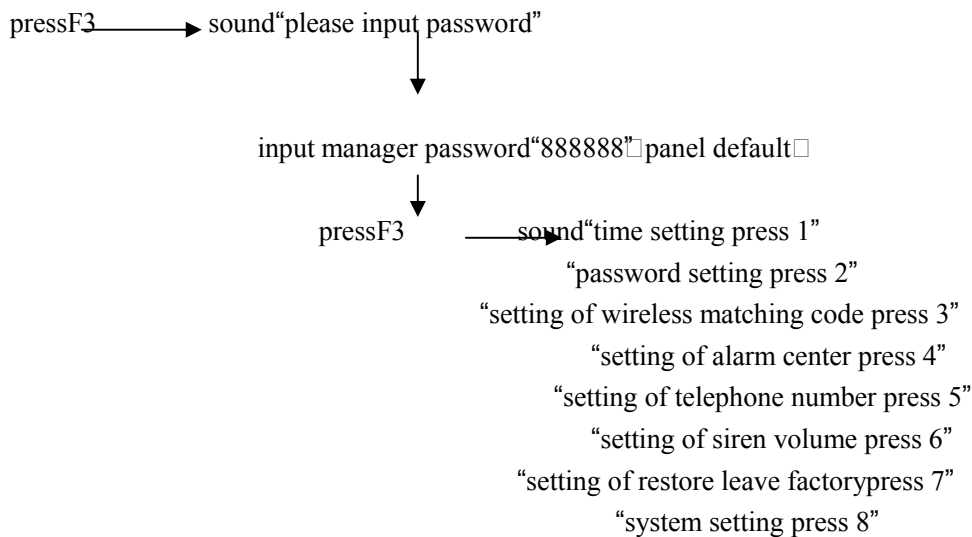
2 Panel's performances, Operation method and Technology

The best point for this product is voice function. For each step with the voice remind, which will make user to operate the panel more easy, and can response the any type of alarm more prompt.

Please install the product and connect the power t, and then operate according to the below flow (2): press "F3" first, input the password (the default password 888888), then you can enter the system. You can clear all the recorders through reset the defaults.

Menu and Main Performances

Press "F3" sound "please input password" input manager password "888888" + "F3" sound reminding like the picture(2)



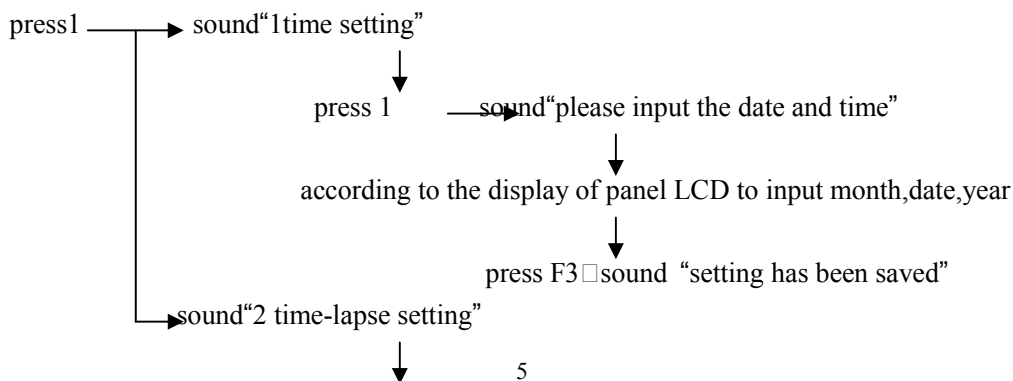
Drawing 2

Attention: when you choose the setting, "*" button is page up, "#" button is page down

Method of time setting

Operation method like picture (3)

Press F3 please input manager password, press F3 to confirm.

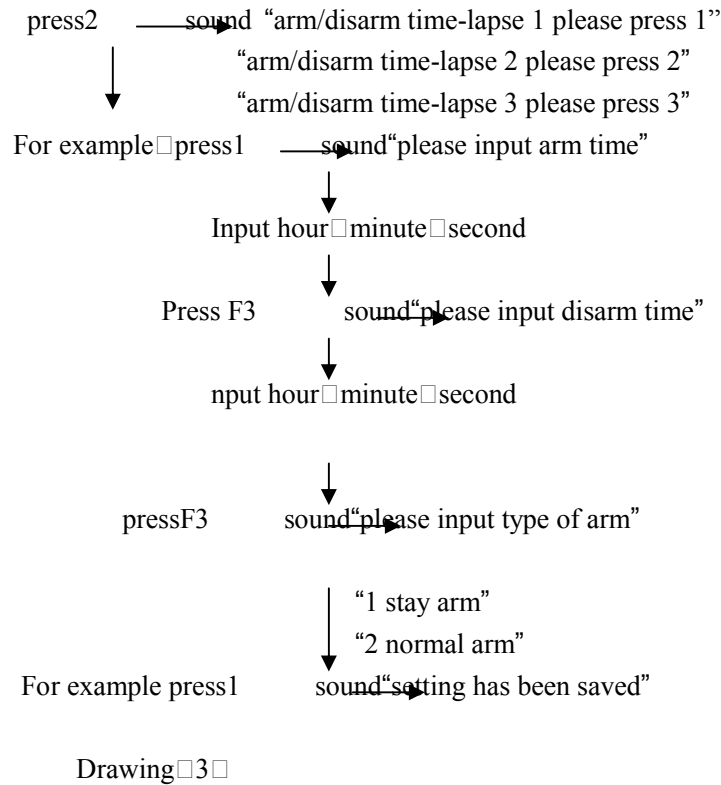


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function and using of time set

Time setting is very important step,that can let you know the time of panel and the time of alarm.in the product,time setting have two functions:

Time setting

Enter into system,input manager password "888888"(password can be reseted in the system),according to picture(3)

Attention: 1.when set the time,the format of year month day is :month-day-year

2.if you want to reset the data of the product that you should press F4 to cancel the original data,then to input data.the method of F4 button is to clear the previous memory.

Time-lapse setting

There are three time sections of arm/disarm can be chosen in the time-lapse setting,when you forget to arm/disarm the panel due to some reasons,please don't worry,panel will help you to arm/disarm that according to the setting every day,but you should pay attention the stay arm at work and rest time of holiday, because you and your family at home,the panel will be triggered.

The method of the arm/disarm of Three sections time is same

If you want to cancel the time-lapse arm/disarm of three sections time,you must reset the start time and end time;there are three sections sound taping function under the three setting,that can receive the message,also can as the sound reminder for your daily life.that only offer the setting of playing time in time setting.

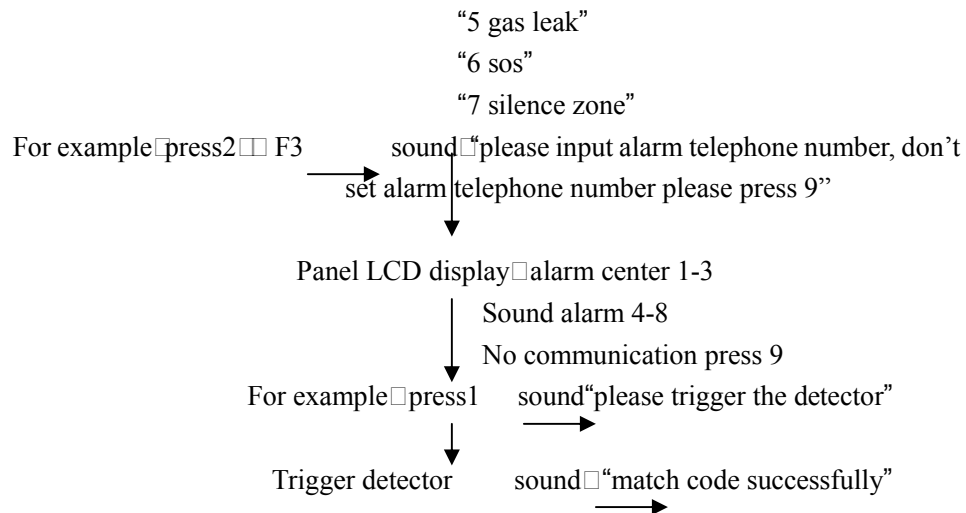
method of password changing and setting

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Attention: 1. When you set a zone that you need to add the corresponding telephone number, one zone can repeat set multi-telephone, the digit of telephone number must be greater than 3

2 Wireless detector must to match code, if don't to match code that will be treated as no zone

3 When you are setting, you must see the matching code successfully, that means the setting is successful, or else the previous record will be canceled when restart.

Important attention If you want your panel to use CONTACT ID to communicate with alarm center, please regard the number 35 zone of panel zone. the setting method is same as detector zone, only final sound is “please trigger detector”, press F3 directly. if the number 35 zone isn't setted, that the panel can't communicate with alarm center.

our leave factory default setting is following

enter delay is 30 seconds

- Exit delay is 60 seconds
- 01 zone is delay zone
- 02 zone is stay zone
- 03-05 zone is instantaneous zone
- 06 zone is inner zone
- 07 zone is gas zone
- 08 zone is fire zone

The purpose of 1-8 wire zone that we set is for your using conveniently, you can let the installer change the setting that according to your request, or if you know it well, you can change it by yourself.

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□ Setting method of alarm center

press F3 □ input manager password, press F3 to confirm

press 4 → sound □ "1 user code setting"

↓
"2 dial time setting"

↓
"3 alarm type choice"

press 1 → sound □ "number 1 alarm center please press 1"

↓
"number 2 alarm center please press 2"

↓
"number 3 alarm center please press 3"

For example □ press 1 → sound □ "please input code"

↓
Panel LCD display 0000 □ press F4 to clear

↓
Input user code □ press F3 to confirm sound □ "the setting has been saved"

Press 2 → sound □ "dial time"

↓
10

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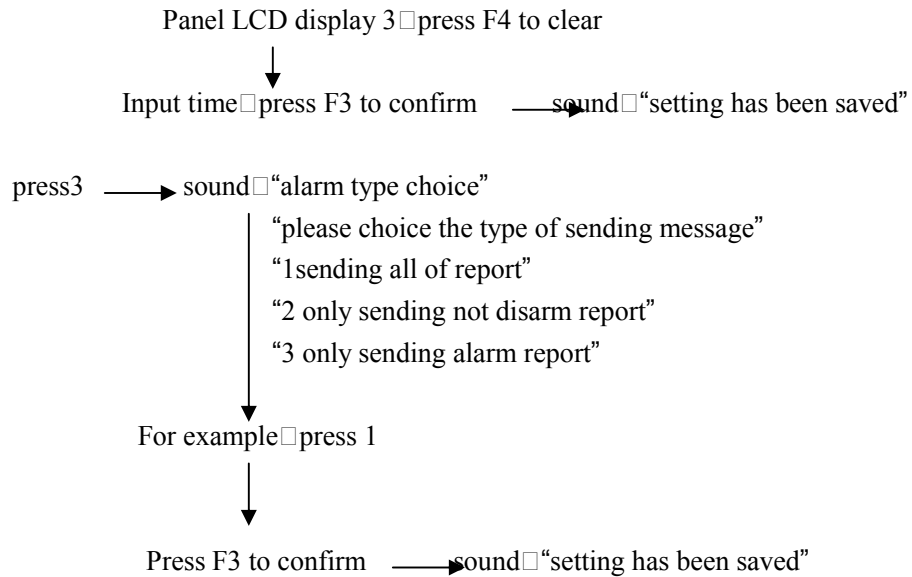
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When set the user code, the user code setting just like the identity card number of everyone, the code of setting, when in alarm, panel will send the alarm information to alarm center, the purpose is to confirm your identity, that can lookup conveniently. every alarm center have the different code to match the code. and the number of code from 0001 to 9999.

The setting of dial time, that is time of dial when in alarm. when you don't set it, the panel due to can't dial the telephone. panel will not send the alarm information to the telephone that you set. so don't forget to set, and the time of dial that according to the request of user.

The purpose of information sending setting is to consider the request of user, here we prepare 3 kinds of method of the alarm information sending for you: the meaning of sending all of report is the alarm information of every time of the arm, disarm and alarm will be sent to the alarm center by telephone. the second option is only will be sent in arm and disarm. the third option is only will be sent in alarm. all of this can accord to your request and the condition to set.

Attention: if you want to use the function, compound should to install the function module of alarm center, the alarm center should match with CONTACT ID. when panel is sending the alarm, please don't operate the keypad and remote controller, the purpose is to send the data to alarm center more exactly.

□ **Method of telephone number setting**

press F3 □ input manager password □ press F3 to confirm □

press 5 → sound □ “center alarm please press 1 to 3”
 “individual alarm please press 4 to 8”

For example □ → press 1 sound □ “please input telephone number”

↓
 Press F4 to clear □ input telephone number □

↓
 Press F3 → sound □ “the setting has been saved”

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press F4 to clear □ input 3-bit time XXX

↓
press F3 → sound □ "the setting has been saved"

press 2 → sound □ "please input the time of exit delay"

↓
press F4 to clear □ input 3-bit time XXX

↓
press F3 → sound □ "the setting has been saved"

press 3 → sound □ "please input the time of siren setting"

↓
press F4 to clear □ input 3-bit time XXX

↓
press F3 → sound □ "the setting has been saved"

press 4 → sound □ "1 open □ 2 close"

↓
for example □ press 1 → sound □ "please input time of diablo"

↓
press F4 to clear □ input 2-bit diablo time XX

↓
press F3 to confirm → sound □ "the setting has been saved"

press 5 → sound □ "1 open □ 2 close"

↓
press 1 → sound □ "the setting has been saved"

press 6 → word □ "please choice the intelligence host zone"

↓
LCD of panel display 00 to 35 □ press F4 to clean □ please input 2 digits number of zone

↓
press F3 to confirm → word □ "please choice the intelligence follow zone"

↓
LCD of panel display 00 to 35 □ press F4 to clean , please input 2 digits number of zone

↓
Press F3 to confirm

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The series product, the function of system is very strong, and can use mobilephone and telephone to set the panel on control of long-distance. you can exit the zone or enter into delay according to your favor, the sound of bell also can turn on or off, and can set the intelligence zone, that can reduce the possibility of misinformation

Setting of the zone delay: there will be delay when exit or enter the zone, To prevent the alarming immediately when self or family enter or exit the zone, the min. setting of time is 0 second, and the max. is 255 seconds.

Setting of siren: setting the time of the sound of siren, the unit is minute, min. is 0 minute, max. is 255 minutes.

Intelligence zone: when you set the multi-zones triggering at the same time, then the panel is triggered, like this can reduce the possibility of misinformation.

For example: To set a gate zone, a hall zone, and set the gate zone on enter delay zone, and set the hall zone on instantaneous zone. if you forget to disarm the panel when you enter into gate, the system will not alarm.

For example: if thief enter into room from window, and your setting is "zone of window is major zone", "zone of bedroom is follow zone", then after thief enter into room from window, and trigger the "bedroom zone" at the same time, then the panel will alarm. This can avoid the fault of detector in daily time, and appearance the phenomenon of the alarm of one partition, if the follow zone is not triggered, then the panel will not alarm, that can prevent the misinformation effectually.

3 Other function and key setting

□ Taping function

We have mentioned, that the panel have strong sound function, now let us introduce the sound secretary function. and sound secretary function include time-lapse sound playing setting, talk to each other and monitor, and function of hearing the message

First let us introduce the taping method of three section sound secretary, and for the convenience use, we did restrict the setting power of sound function, that taping can under any condition.

□ The operation method of three sections sound secretary

press 9998 □ press F3 → sound □ "please enter the sound address" □ LCD of panel will display "1 2 3"

↓
press 1 → sound □ "1 play □ 2 tape"

↓
press 2 → sound □ "press confirmation button to confirm □ press return button to return" □ F3 is confirmation button □ F4 is return button

↓
press F3 □ start to tape, and the taping time is 8 seconds

The operation method of three sections taping is same

Attention:

1 System will remind you to press the button when in taping, there is no effect when you press the button, that must wait for the stop of sound. the purpose is to prevent the confusion of taping.

2 There are 3 sections of taping in our setting, the time of every section is 8

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seconds,so you should control it,and to make a long story short.

Let us introduce the taping of number 4 section,the function of the aim of number 4 section is asking for help of telephone in automatically,it is very important,so we divide it.that can be used under the emergency,the method as following.and the time of taping is 16 seconds,when in alarming,if you speak in unfreely or need the emergent asking for help,you only need to press the emergent asking for help or without siren zone,panel will dial to the telephone number of alarm center or individual that has been setted,and send the sound to the telephone number.

□ The method of number 4 section taping

press 9999□press F3 → sound □“1 play, 2 tape”
↓
press 2 → sound□“press button of confirmation to confirm□press button of return to return”
F3 is the button of confirmation□F4 is the button of return
↓
press F3□start to tape that keep 16 seconds

□ password

The setting of password that involved the family,friends,and the power of yourself,so must be careful and keeping in secret

Password of duress

When we are designing the product,we have considered the situation of the threat of life.For example,you are holded under duress by brigand,the brigand know you have installed the panel,and want you to disarm in force;Then you can use the password of duress.

The product will default the password of duress is the last digit of password that you set to increase one or decrease one.if password is “1234”,so the password of duress is “1233”and “1235”,please pay attention,only the last digit of password is effecton,that won’t be carried in the situation of 9 or 0 need to increase of decrease one,so 0 decrease one is 9,for example,1230 is 1239.and 9 increase one is 0,for example,1599 is 1590.So when you are setting the password that you should to avoid the situation of less difference between the password,that can avoid the confusion of password and password of duress

□ Control of long-distance

The product possess the function of the control of long-distance,if the setting of the control of long-distance is open when you are setting the system,then you can set the panel on control of long-distance in anywhere.

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Before enter you should dial the telephone number that connect the panel,then input the password,press “#” to confirm,afterward use the sound reminding to set by keypad of telephone detailly,the method like above

About cut off in immediately and disarm of panel

When the panel is using the telephone line to call in call out or alarm,you only need to input the password of user operation or use the remote controller to press the button of disarm immediately,that the panel will cut off at once,and panel will disarm that although under the situation of alarming.if the password is wrong that you input,please first press F4 to clean the password that you input previous,then input the password again,the method don't need to press F3 to confirm.

About the attention of the fault of telephone line

When the panel is electrified,if you haven't connect the telephone line,the panel will tell you fault of telephone line in automatically.then if the 8 telephone numbers of panel haven't been setted,or the telephone number less than 3-bit,the inspection function of telephone line will cancel it in automatically

About the transport of alarm

Despite the panel is calling out ,calling in or warning,if there is new alarm occur,the panel will reserve the all of alarm,when the alarm over or the calling is hanged up,the panel will send the new alarm to the appointment alarm center in automatically.wire zone can reserve 8 pcs,wireless can reserve 13 pcs.

About the attention of faults

The alarm content of the panel include:detectorcontact switchlack or loss of the voltage of batterylack or restoration of the voltage of panel battery,all of them will be sent to alarm center,display will appear the information at the same time.

If panel can't received the signal from detector that has match the code and contact switch during 4 hours,that the detector and contact switch will be confirmed in loss situation automatically.

4 **Spec of technology**

A Number of zone:8 wire zone,25 wireless,5 remote controller and 1 doorbell

B The request of wire zone: need 10k resistor to connect earth

C Type of zone: fire,gas zone,immediate zone,stay zone,peripheral zone,intelligence zone,delay zone,panic/silent zone

D Password:5 pcs password,every password is 4 pcs number,every password can as the password of kidnaping

E Control device

keypad

Remote of handheld type

telephone system of local or ₁₆long-distance

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computer of local or long-distance

F□Display: backlight,16 pcs character LCD and 4 pcs LED

G□Type of standby: AWAY, HOME

H□Alarm type: silent alarm, siren alarm and buzzer alarm(interior)

I□ Special function

sound control

Control of long-distance telephone

Panic button

Real time:display the time and date when panel possess the power supply

J□Frequency of emission: 433MHz

Type of receiving: superheterodyne□fixation frequency

Scope of receiving: field(180M)

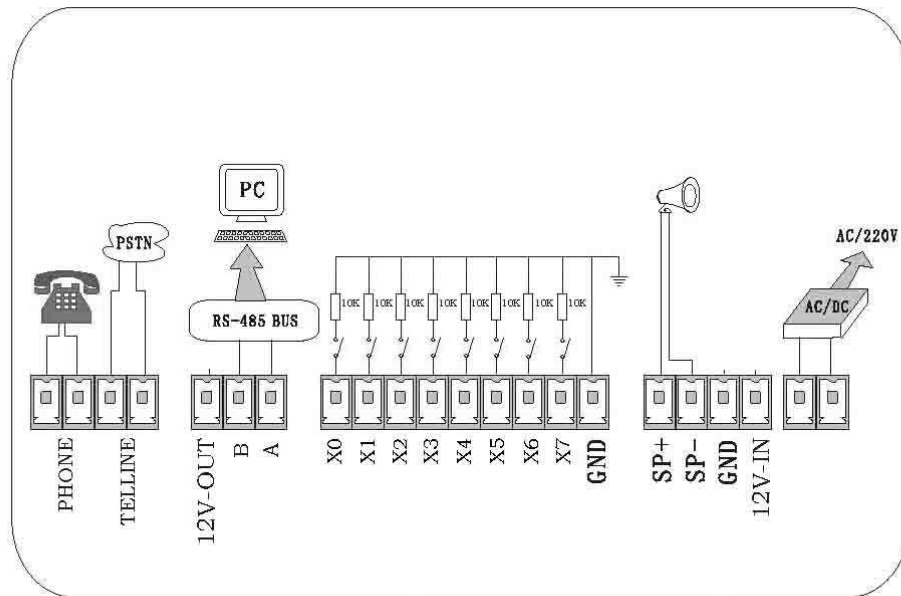
K□Power: transformer of the type of insert

220VAC,50Hz/15VAC,700mA or 90-280VAC,50Hz/14VDC,1000mA

L□Scope of operation temperature 0°C □ 49°C

Scope of store temperature -20°C □ 60°C

5□ Hookup



To the connector of telephone type,you need to adopt this fitting

2 pcs finalize the design cable of the color code of 4 core

One pc 4-bit RJ-11 connector of telephone and 1 pc 8-bit RJ-31X plug of telephone can

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connect the panel and telephone,RJ-31X can connect the panel and PC(of course,PC need the support from software tp read the data)

Important attention: please don't make the reverse direction or cross for the connection of input and output

6 □ Capability restriction

Despite the panel that you purchase is high safety,but also can't make sure no risk at all.Even the advancedest system also exist the invalidation or misinformation in sometimes.The reason is following:

Lack maintenance:If long time to use panel,there will be occurred the fault of no video and audio signal in the important parts that like detector or siren.If you ignore the warning of less battery,there will be no backup battery to maintain the normal work of system when the power is broken off.

Fault of telephone line:telephone line will be broken off or short .if there is fault of telephone line,in the alarm system,which will not send the event to the center.

Fault of system in sometimes: invader possess the professional knowledge,who know the method that can let the sensor and siren in bad situation □Invader also can use the unprotect entrance and dormer,even unforeseen entrance to enter in force

Restriction of smoke detector:sometimes,smoke detector can't warn in time,the reason maybe is the place of warning in the different storey or long distance from detector.

7 □ attachment

Attachment 1

default password of user

user	default password of leave factory
user 1	1234
user	0000
user 3	0000
user 4	0000
user 5	0000
super user	888888

8 □ Installation step of out equipment

1.Open the carton,To make sure all of the fitting are in the carton.If loss anyone,please contact the supplier of distributor immediately.

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2.Be careful!If you have not finished the installation completely,please don't use the AC/DC power supplier module to insert the DC pluge.The distance of AC/DC power supplier module and the system should less than 30m.

3.Dismount the screw from cover,open the back cover(at the up front of panel,see below picture),All of the saffron "□"style clip of the connection terminal shoud be enkindled by "□"style screwdriver, then put the lead into the green round hole and to tighten it(according to the hookup and connection terminal of part 5)

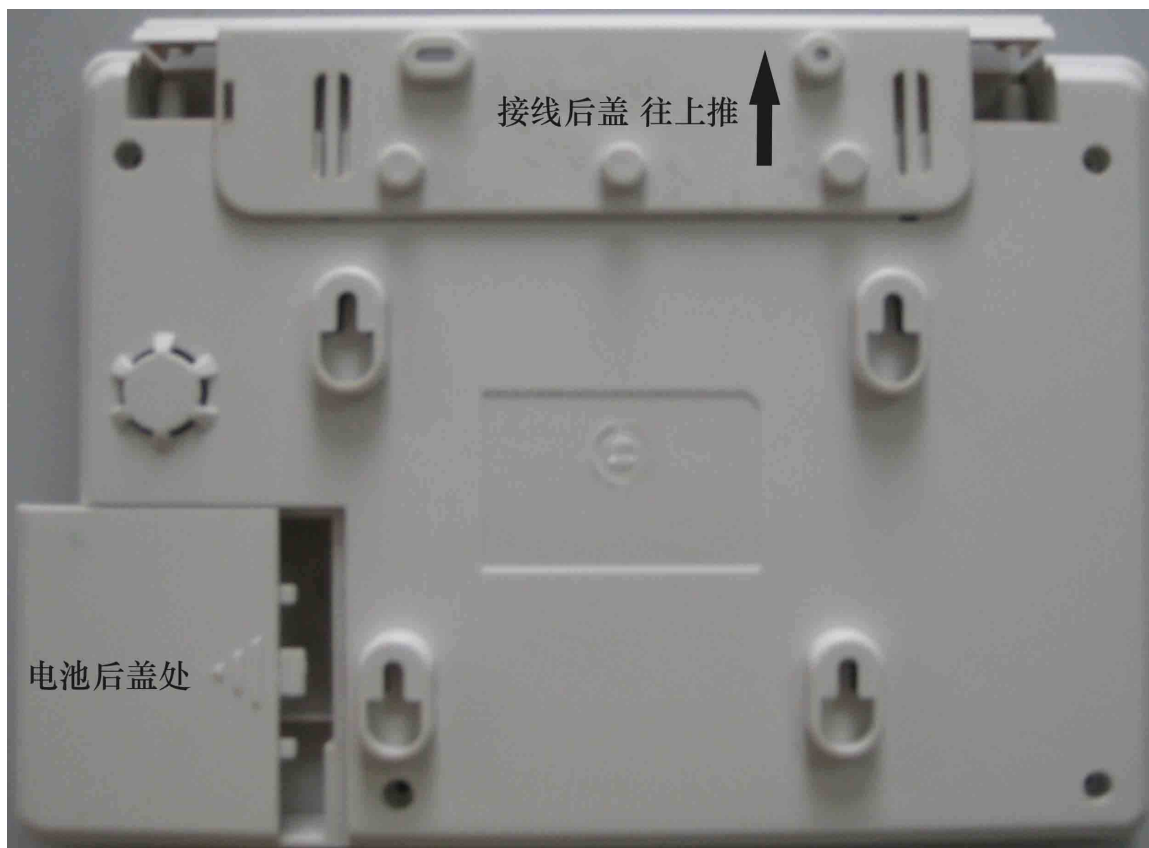
4.Using the 4 pcs hole that on the back cover of panel as the model to sign the mark of drill,then use the mark to drill.

5.Using the inflation screws that are offered by our company to fix the panel on the wall.chosing a place that shoud be covert and user can approach it easily.To make sure there is a continuum AC power supplier and pluge of telephone line near the place of installation to use.

6□The method of the installation of backup battery

Opening the back cover of battery (at right lower corner of the back of panel),putting the 4 pcs battery that according to the request into the groove of battery, attention the positive pole and negative pole.then close the back cover of battery carefully!checking the place of connector on the right place

7. Put the AC/DC power into DC pluge,attention,don't open the AC/DE power,using the back cover of connection to cover the lead and AC/DC power line tightly ,then to add the screw,and put the AC/DC power into the 220V AC pluge.After that,you can operate the panel.



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Attachment 1

Free repair card of the product

The product use the product code and date of leave factory as the certification, To implement one year free repair. Any doubt during the period please to contact the distributor or send the product to our company. User should pay the freight charge, the repair fee or replacing fee is paid by our company. Due to the machine hit bad transport, high voltage or wrong operation that destroy the product is not in the scope of the free repair.

Free repair card

User name		Telephone number of user	
Address of user			
Purchase date		Product code	
Place of purchase			
Fault phenomenon	Repair record	date	

Installation information of product

Installation company: _____

telephone number of installation _____

installer: _____ date of installation _____

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installer code: _____ date of free repair _____

zone information bypass situation 24 hours zone instantaneous zone delay zone

peripheral zone

zone 1 _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
zone 2 _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
zone 3 _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
zone 4 _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
zone 5 _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
zone 6 _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
zone 7 _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
zone 8 _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

arm/disarm time-lapse		arm/disarm time 1	arm/disarm time 2	arm/disarm time 3
	arm time			

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	Disarm time					
Password setting	Password of user 1	Password of user 2	Password of user 3	Password of user 4	Password of user 5	manager password
Zone setting 09 to 33 zone	√ . Addition zone × . Deletion zone	Zone number	Zone type	Telephone number 1 of personal alarm	Telephone number 2 of personal alarm	Telephone number of alarm center
Alarm center 1	User code 1	User code 2	User code 3	Dial time	type of message sending: 1 <input type="checkbox"/> sending all of report 2 <input type="checkbox"/> sending arm/disarm report 3 <input type="checkbox"/> sending warning report	
enter delay	Time setting	Time setting	Time setting	Time setting	remark <input type="checkbox"/> other event note	
	second	second	second	second		
exit delay	Time setting	Time setting	Time setting	Time setting		
	second	second	second	second		
Bypass zone number	Zone number	Zone number	Zone number	Zone number	remark <input type="checkbox"/> other event note	

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Cancel Bypass zone number	Zone number	Zone number	Zone number	Zone number	

Thank you very much for your using ,hope our product can bring the safety and profit to you for your work sincerely!Any doubt,please contact distributor or our company in freely!

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