



USER MANUAL OF **ISS - 200A**

Long Distance Intelligent Wireless
Fire Alarm System

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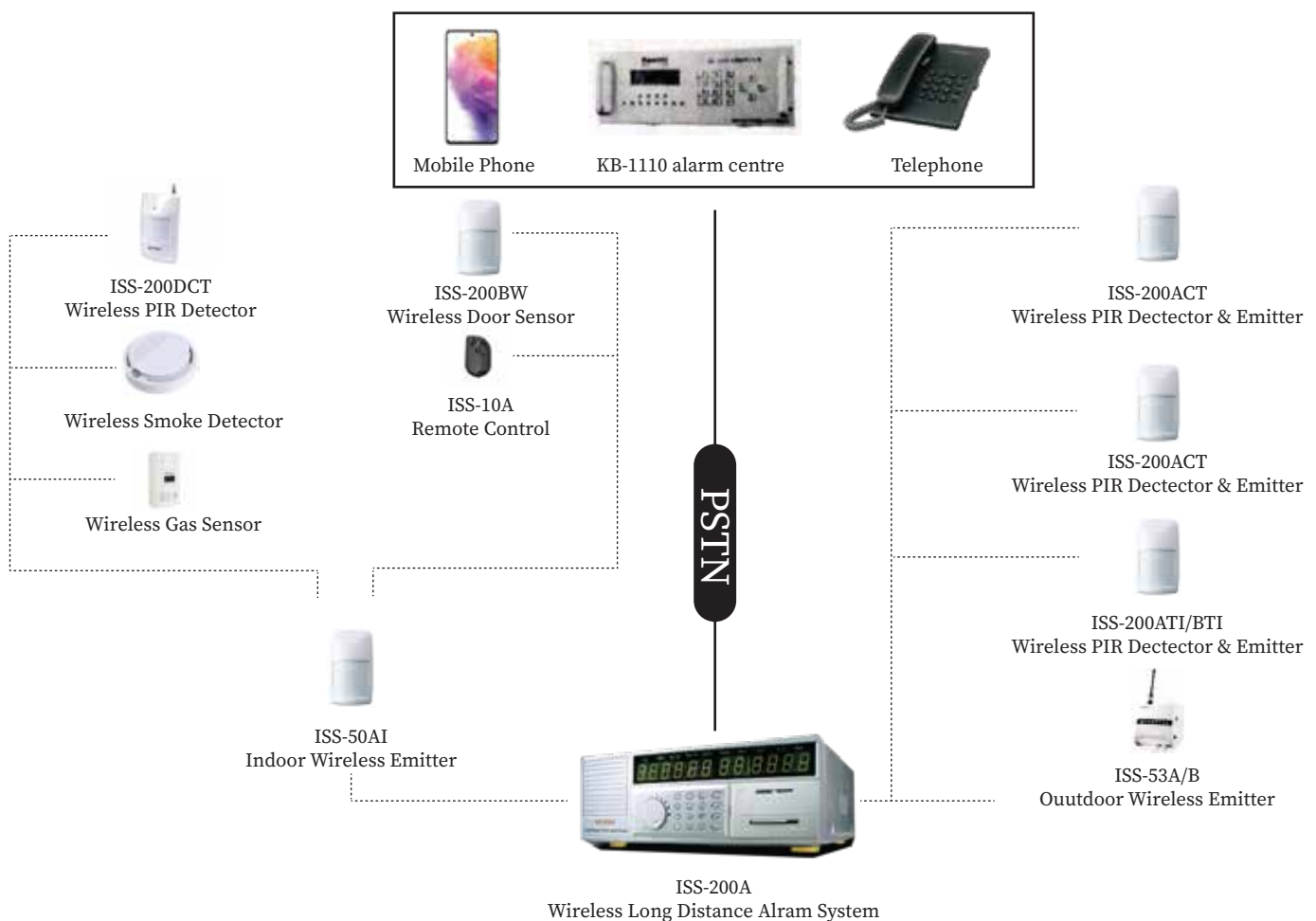
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1. Introduction

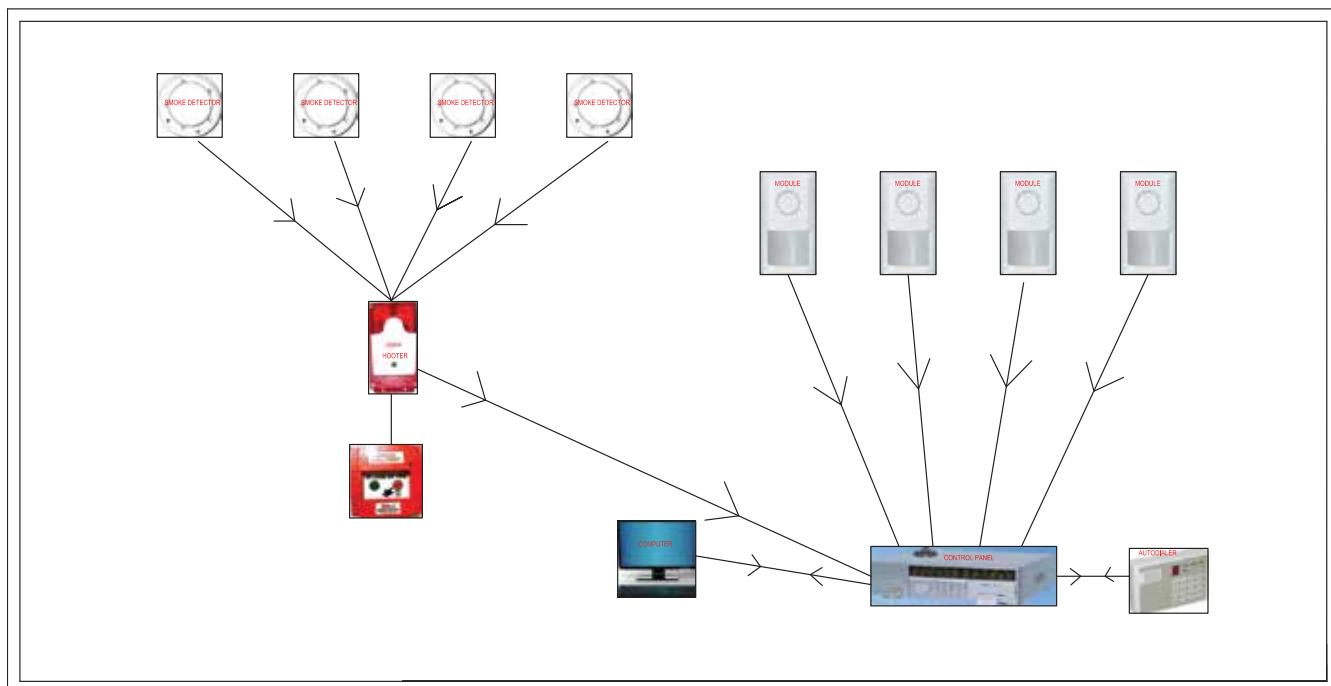
Long- distance wireless alarm system characteristics of long- distance and super-large capacity, which 1-adopts special digital processing chip to manage 999 kinds of wireless detectors at the same time. It's receiving 1-10 sensitivity is high, so it can receive signals at the distance of kilometers. The super-large digital pipe displays for message. It makes alarm on the spot and alarm message can be printed real time It also can dial telephone numbers which are preset and report alarm message in pure Chinese/English when receiving alarm signal. It connects with managing center computer by RS232 interface. Computer displays the alarm information on electric map and tells from the alarm types when receiving alarm message. It is suitable for enterprise, family, office building, police station to guard against theft, ask for help and joint defense for public security.

2. Diagram of System Components

Long-distance wireless alarm system is composed of ISS-200 A receiver, all kinds of passive infrared detectors, door sensors, infrared correlations, smoke detectors, emergency button etc.



Picture 1



3. Definition Activation:

Activation: the system enters into defense state to receive alarm signal. It also refers to Arm.

Deactivation: the system cannot receive alarm information (except for emergency zone and emergency call) it also refers to Disarm

Emergency Zone: the system can receive information whatever states it is. It also refers to 24 hours zone.

User' Code: be used by users to operate.

Installer Code: used by installer or administrator to operate.

Wireless transferring: according to the transfer address code, the wireless transfer emitter can transfer wireless alarm signal made by wireless detector to the alarm signal recognized by ISS-200A alarm host. It can relay wireless signal and save cost.

Sound composed by computer: A sentence composed by computer with different segment pre-recorded.

Code inputting: the alarm host and detector are separated from each other, so the detector code should be inputted to the alarm host to receive and recognize alarm signals.

Zones: Monitor all its arm zones including the infrared/wired/sensor, arm and disarm timely/by hand.

4. Precautions of operation

*please carefully read the user manual and pay attention to labels and directions on the user alarm controller before operation. Check whether the wiring connections are correct and then turn it on to test so as to prevent the occurrences of accidents.

*The alarm host can be equipped with 12V7Ah sealed lead acid battery. The battery standby time is longer than 16 hours. If the power failure often occurs in a defense area, the batteries with a larger capacity are recommended to serve as the backup power.

*During program, if the wrong code input three time continuously. The alarm host will cause an alarm, after the alarm sound last 30 seconds, press "RESET", will deactivate the alarm. If press any keys during these 30 seconds, the alarm will last for another 30 seconds.

*This system is wireless device; it is recommended to register to your local wireless authorized institution before installing.

*please do not disassemble the alarm controller at will so as not to cause accidents or damage the apparatus.

*Please contact the client service department or local distributor in time

*if there are something broken, and do not disassemble or maintain it by yourself

*Please periodically perform routine test so as to clear troubles in time.

5. Main functions and characteristics

*It has 999 independent wireless zones; each can be armed or disarmed independently. It is also defined to common zone and emergency zone.

*The code of detector or wireless emitter can be inputted to alarm host automatically or by hand.

*Super-large LED display and voice guide make alarm more humanly and easily. manage separately.

*Two accesses code (user' code and installer code) The code is modifiable to prevent the program from distorting at will.

*The alarm host has two timers of on/off time, it can indicate the on/off state.

*Ten Partitions *Three or ten zones *Each zones has two times of on/off time, can set the zone s timer of arm/disarm. Can check the zone s arm/disarm state

*Five pieces of up-to date alarm message can be scrolled to display simultaneously.

*Inquiring 100 pieces of up-to-date records including alarm message and indication message, arm/disarm message.

*A normal open/close output and +12V DC output are provided to control other devices (e.g. startup alarm horn, alarm light, alarm linkage etc.)

*Provide a set of audio signal output, which can connect directly with 8fi 15W passive trumpet or active sound box, and build-in trumpet loses affection will be invalid automatically.

*Micro printer can print 5 pieces of alarm records simultaneously, and also can print them one by one. The phone module can be expanded.

*Manage center online can be connected with computer by RS232 interface and ready to display and manage the alarm message.

*The internal or external backup battery can be optional. It will indicate when over-charged or over-discharged and battery low power.

6. Name and usage of main parts

6.1 ISS-200A alarm host

6.1.1 Alarm host panel (Picture 2)

1. Volume button: adjusting the volume, it becomes louder when adjusted clock wisely. But it is invalid for indication sound.

2. 0-9 keys: number keys

3. <*, #> Key: right/left direction key, used to complete function setup together with "SET" key

4. RESET key: when an alarm occurs, press this key to stop the alarm sound and the alarm message will memorize automatically. When entering into setup state, press this key to exit.

5. PRINT key: print when inquiring records, sometimes it used to complete function with "SET" key.

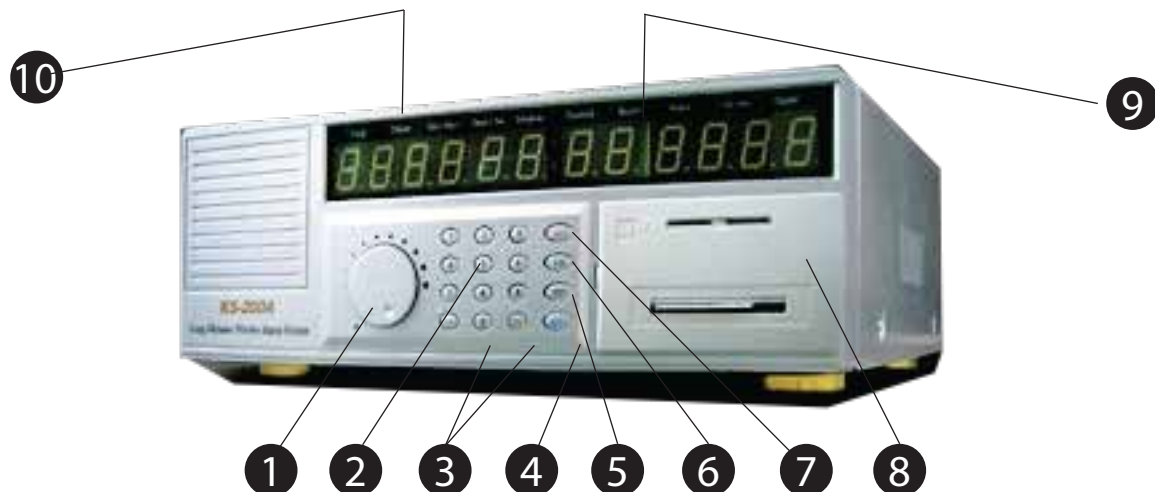
6. OK key: Used to confirm the inputs. Used to complete function setup together with "SET" key.

7. SET key: used to set functions. Please referring to chapters for specific function setting operations.

8. Micro-printer: used to print.

9. LED display screen: usually, it displays the time and the second light is flashing. When an alarm occurs, it displays the alarm time, alarm direction and alarm type. And the second light is completely on.

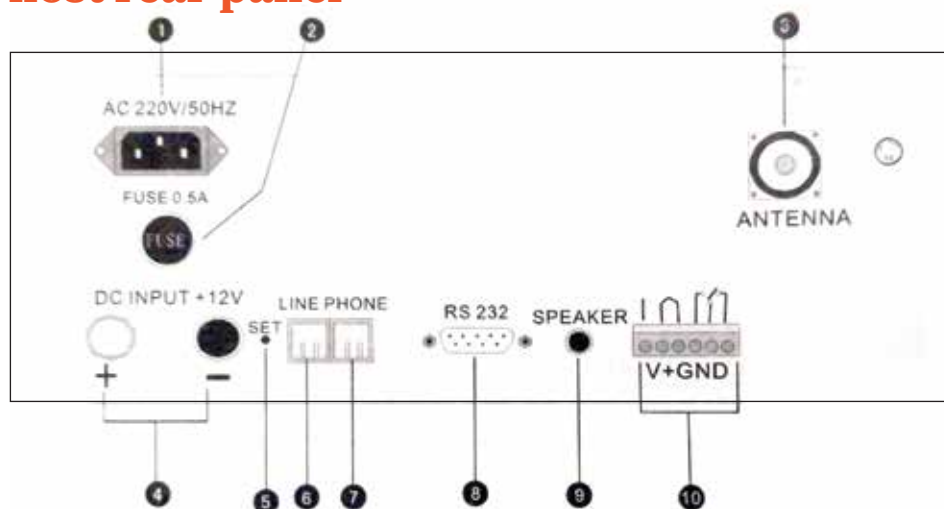
10. Menu u display: in standby, the menu light is off, when entering into setup state. The light is flashing. After entering into setup state, the light is completely on.



Picture 2

Picture 2 (log Time Timer-open Timer-close Remote Password Zone Bypass Code enter Channel)

6.1.2 Alarm host rear panel



Picture 3

1. AC power input: AC 220V 50HZ power supply

2. Fuse: AC220V 0.5A fuse tube.

3. Antenna interface: it can be connected with inner antenna and outer antenna. In order to get the best affection, outdoor antennal is recommended.

4. C input: DC+15V 2A, Red is +, black is -, to provide power for device if need big capacity of backup battery. Short-circuit is forbidden.

5. "Set" key: ong press to enter network connecting module setting status when the alarm panel is standby.

6. Phone socket: to be used to connect with PSTN

7. Extension phone socket: to be used to connect with users telephone set

8. RS232 interface: to be used to connect with computer.

9. Audio signal output: it can be connected directly with 8n15W passive trumpet or ctive sound bxbuild-in trumpet will be invalid automatically

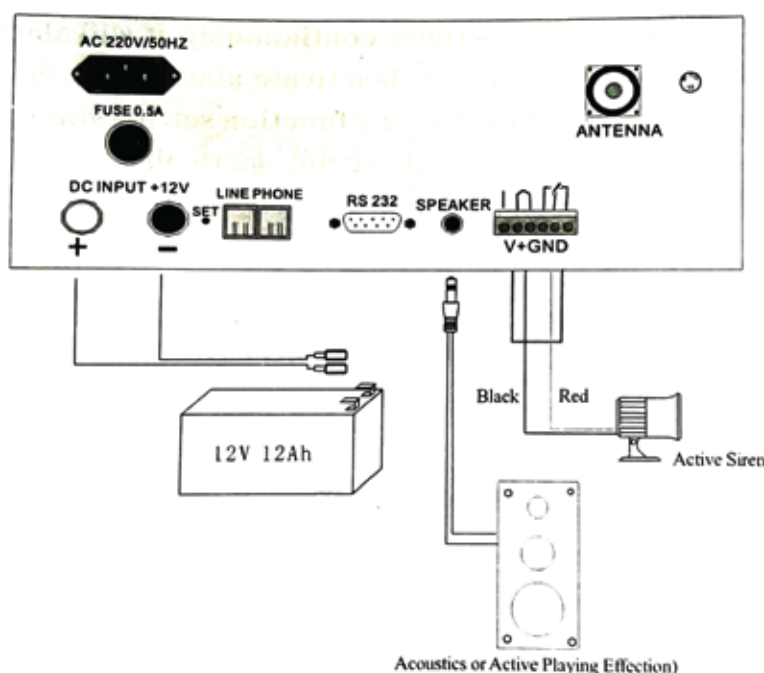
10. arm output interface: provide a set of normal open and a set of normal close alarm output and a set of uncontrolled DC +12V-13.8V 200mAOutput

Normal open, normal close alarm output interface:

There is label M on the rear panel; the alarm host provides alarm output contact it load AC120V 1A or DC30V3A.It is used to control other devices when an alarm occurs. It is not allowed to input directly when the power of device is over its load. To avoid damaging the alarm host, it needs adopting relay

Uncontrolled DC output interface:

V + and GND end provide +12V-13.8V 200mA DC voltage to other devices, V+ is DC outputting anode. C end is DC output cathode.



Picture 4

7. Operation guide

7.1 Sound and light warning

7.1.1 ISS-200AM alarm host

A short sound "du" ---- key pressing sound

A short sound "beep" -- the code 18 right or the setting is successful

Two short sound "beep, beep" ----the code or the operation is wrong

Three shorts, sound" beep, beep, beep" -long press "set" enter telephones setting (dialing module)

7.2 ISS-200A alarm host program setting operation

7.2.1 How to enter program state

In standby, press the "SET" key, and the screen will display as picture 5.



Picture 5

You also will hear an indicative sound "please enter the code". You have to enter user code or installer code (6 digits). If it is correct, it will enter the program state. Otherwise, it warns that the code is wrong. If you input wrong code for three times continuously, it will alarm urgently for 30 seconds at least. You won't deactivate alarm until 30 seconds by pressing "RESET" key. After entering function setting state, if there are no operations for 30 seconds, it will exit automatically

7.2.2 Log Inquiry

After entering the program state, the "Log" on menu will be flashing. Press "OK" key to inquire alarm and arm/disarm log. The log can be printed independently, and can't be deleted. Like picture 6 and picture 7, there are 100 pieces of records altogether.

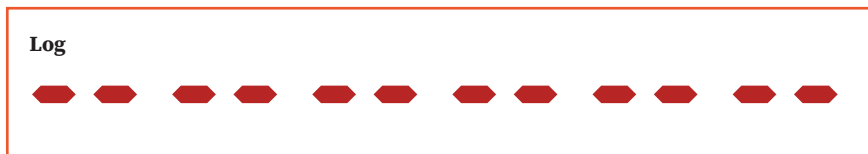


Picture 6



Picture 7

" 001" means the first log, "068.1" means the 68" zone occurs the "1" type alarm. Press "#>" key will display the time of the alarm. The time is 8:38 on 14th February. Press "<*" key will look through records from beginning quickly. Press "#>" key will look through records from beginning the end one by one. After choosing the record, press "print" key will print this record directly by micro-printer. (Note, it should be equipped with micro printer) if no alarm occurs, it will display as picture 8.



Picture 8

Picture 8

Alarm type:

- | | |
|---------------------------|------------------------|
| 0---Emergency Alarm | 1---Intrude Alarm |
| 7---Battery Power Voltage | 9---Wire-cutting Alarm |
| 2---Wired Zones Alarm | |

Indication type:

- | | | |
|---------|------------|----------------------|
| L---Arm | P---Disarm | D---Battery Recovery |
|---------|------------|----------------------|



Picture 9



Picture 10

Zone number "F00" means the operation of remote control. Picture means the second log of alarm panel is arm operation.

Zone number "F01-F10" means subzones timely arm/disarm information. Picture 10 means the third log is the first zone's disalarm information.

Press RESET" key will exit to the last menu, and the "Log" light will be flashing.

Press "<*, >#" key to choose the function of "Time" Timer open" Timer close" ," Password Zone" "Bypasss" and so on

7.2.3 Correct time: (this system is with clock module, and it is accurate time no matter the power is on or off.



Picture 11

When choosing "Time" menu, press "OK" the screen will display as Picture 11. The first two numbers for month is flashing, input the accurate time with number keys, press "OK" key, then the clock setting is finished.

7.2.4 Timer Open

Choose "Timer Open", press "OK" key and the screen will display as picture 12.



Picture 12

It means to set the first group of open time for alarm panel, input the open time (hour, minute) in order, and then press "OK" key, Then the first group of open time setting is finished. After that, it will enter into the second group of open time setting automatically, and the screen will be as follows.



Picture 13

The second group open time setting is the same as the first group one. Press "OK", the screen is as following.



Picture 14

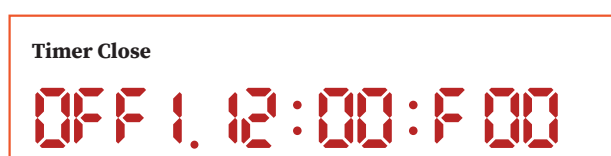
It is setting the first zone's first group of open time, input open time (minute, second) and press "OK", finish the first group of open time and enter the setting of second group open time automatically. In a similar way, can finish the second group of open time, and other zones' open time

Note: timing open indicates that the alarm host will enter into the Arm state when reaching the preset time (except the zone of bypassed) the alarm host will warn that "Ding-dong, attention, please! The alarm host is armed." Or "Ding-dong, attention, please! The first zone is armed"

And the sub-zones' arm is control by the panel's disarm. If the panel disarm, the sub-zone's arm is invalid.

7.2.5 Timer Close

Choose "Timer Close" key, press " OK" key, and the screen will display as picture 15.



Picture 15

It means to set the first group of close time for alarm panel, input the close time (hour, minute) in order, and then press "OK" key, Then the first group of close time setting is finished. After that, it will enter into the second group of close time setting automatically, and the screen will be as follows.



Picture 16

The setting of second group close time is the same as the first group one. Press "ok", the screen is as following.



Picture 17

In a similar way, can finish the setting of first zone's second close time and other zone's close time.

Note: timing close indicates that the alarm host will enter into the disarm state when reaching the preset line (except the zone of bypassed) the alarm host will warn that "Ding dong, attention, please! The alarm host disarmed," or "Ding-dong attention, please! The first zone is disarmed."

For example:

The company working time is 8:00-12:00 in the morning. disarmed" kt:00-18:00 in the afternoon. To set system activate after work, the timer setting shall be as following:

The 1st timer for open is 12:00.

The 2nd timer for open is 18:00.

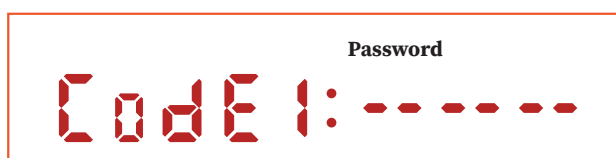
The 1st timer for close is 14:00.

The 2nd timer for close is 8:00.

1. If you want the alarm host to activate for 24 hours per day Note: continuously, set the same time of open and close for two timer. eg, set "12:00" for open and close of two timer. The factory default is activation 24-hour one day.

7.2.6 Password modification

Choose "Password" and press "OK" key, the screen will display as picture 20. The voice guide will alert you with "Please enter the code" You have to input the original code. If the code is right, it will make a short "beep" sound, and the screen will display as picture 21. Then you have to input the new code two times continuously. If this two times' code is different, the alarm host will alert you with please enter the code" then it need to input again.



Picture 20



Picture 21

If you enter program state with installer code, then the code is modified to installer code, and it will display as follows (Picture 22, Picture 23)



Picture 22



Picture 23

Note: The user code default is 000000. Installer code default is 888888.

(8) Zone.Partition

choose "zone" , Press "OK" , the' screen will be as following, means the panel is in the state. of' arm or disarm.



Picture 24



Picture 25

Press "<*" to change the. state of zone' s arm or disarm, can input the zone number at blinking cursor. Press "OK" finish the current record of zone state. There is a short" di" and enter the next zone' s setting automatically. Press "reset" to exit.

9) Zone Bypass

Choose "Bypass" and press "OK" key, the screen will display as picture 26. The first -On- means No.001 zone is not bypassed. "- OFF-" means pass by, press <* key to exchange between bypass/not bypass. The second -OFF means the timing telecommunication is shut up (function is waiting to expand and should be set to be off). Press "#>" key to exchange. Input the zone number directly, will show the information of this zone, see picture 28. After finish setup, you will hear a short "beep" sound, means that it is settled successfully, then press "Reset" to exit.

Note: (1) If the zone is bypassed, the alarm host can' t receive any signal from that zone, except for tamper alarm.



Picture 26



Picture 27



Picture 28

7.2.7 Code Input

In installer program state, choose "code input" and press "OK" key, it will enter into the state of code input menu. The display shows as picture 29.



Picture 29

1.Code inputting

As picture 29 -001- means zone number, "00" means common zone, ---, means there are no codes in the zone. There are two ways to input codes

A. Detecting code automatically: as picture 29, press "Print" key, -- - ' will be flashing quickly. Trigger the infrared detector. If alarm host receive the code, it will make a short "beep" and display the code received on the screen and flash slowly (like "789AFF"). As picture 30 Check the code to see if it is right. If the code is correct, press " Ok" key to conform. If not, you can press "PRINT" key and program again. **B.** Input the code by hand: according to the detector code, input the code directly (if you want to input A-F, press "PRINT" key please, press once, it will show "A" , press again, it will show "B" , the rest may be deduced by analogy. Press "<*, #>" key to move cursor. Press the "SET" key to exchange between code and zone number.

2. Zone type set up

Press "PRINT" key to exchange between common zone (00) and emergency zone (01). Input zone number with number keys directly. make sure it is right then press "OK" key, it will make a short "beep" sound, which means the setting is successful, then display the next zone to go on inputting

3. Delete Zone Code

If you want to delete some zones code, choosing zone number, and press "SET" key to exchange to the state of code inputting. Go on pressing "PRINT" key and input "-" before the first number as picture 31. Press "OK" key, it will make a short "beep" sound, it means this zone is erased, then press "RESET" key to exit.



Picture 31

7.2.8 Instruction of Alarm



Picture 32

Picture :33

Pls attention, the 888th zone occur burglar alarm
at 14.44,29th October,pls answer the alarm.
Panel N0,0006

When alarm, it will display as picture 32.

Alarming time: 14:44 on 29 October.

Alarming zone: zone 888th

Alarming Type: 1 (Intrude Alarm)

Voice alert: Ding-dong, please attention.

The voice alert is "Ding-dong, Pls attention, the 888th zone occur burglar alarm at 14:44, 29th October. Pls answer the alarm." It will display periodically. If it is indicative information, it will play only once. And it will display scrolling alarm when several alarms occur, 5 pieces at most. If it is equipped with printer, it will print as picture 33. Press "RESET" key to cancel alarm and the alarm information will keep in log automatically.

7.2.9 Operate code

1. inquire partition state

At stand by state, input "99" code, then into inquire the partition arm/disarm state, display show as Picture35: Zone 1-9am, Zone 6 -10 disarm.



Picture 35

At stand by state, input installer code, can set below function:

2.input code way:

Press 20 for code-inputting by hand.

Press 21 for code-inputting automatically.

Default state: Code-inputting automatically

3. Alarm host arm/disarm:

Press 12 to change the alarm host arm/disarm state

Note: when host is disarm state, the alarm host just receive the signal of emergency alarm. and tamper alarm. Cannot receive can alarm information of infra-red/ door sensor/wired/indicate message (arm/ disarm, low power recover)

Zone	partition 1	Partition 2	Partition 3	Partition 4	Partition 5	Partition 6	Partition 7	Partition 8	Partition 9	Partition 10
Command										
Arm zone	61	62	63	64	65	66	67	68	69	70
Disarm zone	81	82	83	84	85	86	87	88	89	90

4.Partition arm/disarm operation code form

7.2.10

Partition definition and display

type	partition 1	Partition 2	Partition 3	Partition 4	Partition 5	Partition 6	Partition 7	Partition 8	Partition 9	Partition 10
Zone number	001-099	100-199	200-299	300-399	400-499	500-599	600-699	700-799	800-899	900-999
display	099	199	299	399	499	599	699	799	899	999

Note:

in order to distinguish the partition and the zone detector attribute, at 099-999 this ten zone address, not code zone detector.

7.2.11 host,partition and zone attribute

Alarm host have 999 wireless zone,each zone can learn 1 wireless PIR detector/emitter , each zone attribute of alarm host can be set as bypass, emergency and common Bypass: the zone just receive the alarm information of anti-tamper

Emergency: effect by the bypass zone, if not bypass zone then receive all alarm information, if bypass zone then just receive pir anti-tamper information

Common: control by bypass zone, alarm host arm/disarm, and belongs to partition arm/disarm

A. When the zone arm (bypass close), panel arm and zone's to partition disarm, the alarm host just receive the signal of emergency alarm, tamper alarm,arm/disarm, low power recover information, can not receive alarm information of infrared/ door sensor/wired/ low power recover)

B. When thy Zone arm (bypass close), disarm the alarm host and the zone's partition arm, the alarm host jjust receive the signal of emergency alarm tamper alarm,arm/disarm, low power recover information, can not receive alarm information of infrared door sensed/wired low power recover

C. When the zone" arm (bypass close), arm the alarm host and the zone belongs to partition arm, receive all alarm information

7 2:13 instruction of telephone receive alarm (need equip the telephone dial-up module)

A. notification tone

"Di" ,set the telephone number successful

"Di Di" set the telephone number unsuccessful

B. Password

User code: 000000 default by factory,can change

Administrator code:fixed code 12*48#

C. Password manage

If the user input the wrong password 3 times continuous, host alarm exit the setting state and within 20s can not response the setting

D. Into the program setting state

Insert the telephone line and the exterior line plug into the dial-up module extension phone and the external line. At standby state,long press "set" button of dialing module 2.5s, hear sound "Di. Di. Di"then release, then receive call and input code(000000 default by factory), into the program set interface.

Note:

1. User input the password, if the code right will hear "Di" ;if the password wrong will hear "password wrong please entry again " , then input again
2. into the program setting interface, not response any alarm information of alarm host.
3. If the user input the wrong password 3. 3 times continuous, alarm host exit the setting state and within 20s can not response to the setting
4. If there are no any operate within 20s, will exit the setting automatically

E. Exit the program

Input "O#" exit the program state

Note: user can exit the program after hear sound

F. order 11#-16#: set the alarm phone number

In the program state:

Input: 11#[phone number]#, set the first alarm phone number

Input: 12#[phone number]#, set the second alarm phone number

Input: 13#[phone number]#, set the third alarm phone number

Input: 14#[phone number]#, set the fourth alarm phone number

Input: 15#[phone number]#, set the fifth alarm phone number

Input: 16#[phone number]#, set the sixth alarm phone number

Note:

1. When program, hear "Di" means set successfully, "Di, Di" means set unsuccessful

2. when input phone number can inset "*", each "*" means delay dial-up 1s, when need call extension number use this function

For example: the host number is 66666666 the extension number is 888 when set 66666666*****888 means call 66666666, after 5s call 888 extension number

3. Each phone number include(including 44 -1`91), the most can be 22 digit

4. modify the phone number, just use new phone number to cover old number

5. Delete phone number, when input [phone number], not input any digit, input # is enough

For example: delete the second phone number, input: 12 # #

G. iOrder 17#-18#: set alarm center phone number

In program state:

Input: 17#[alarm center phone number]#, set the first alarm center phone number

Input: 18#[alarm center phone number]#, set the second alarm center phone number

Note: 1. Setting the alarm center phone number is same as setting the alarm phone number. The difference is: after set the alarm center phone number, need set the CID, please refer to the order 24#

H. Order 19 #: delete all phone number

In program state:

Input 19 # #, delete all phone number include alarm center phone number

I. Order 2 #: Set dialing times

In program state:

Input 2 # [dialing times] #, dialing times from 3-9

Note:

1. During set, hear "Di" means set successfully, "Di, Di" means set unsuccessful
2. The dialing times is for alarm phone which was not received successfully. In Ex-factory state, it has been set to be 3 times.

J. Order 3 #: set the alarm playback times In program state: Input 3 # [playback times] #, playback times from 3-9

K. Order 4 #, 5#: for different alarm information sort alarm

In program state:

Input 4 #, A, B information all have telephone alarm

Input 5 #, only A information have telephone alarm

Note:

1. During set, hear "Di" means set successfully, "Di, Di" means set unsuccessful
2. A alarm information include emergency alarm/pir alarm/door sensor alarm/anti-tamper alarm/AC power cut off alarm/low power alarm/communication fault and so on. B alarm information include AC power recover/low power recover/arm/disarm/perimeter alarm and gas leakage and so on.

L. Order 6 #, 7 #: Open/close phone line cut off report function

In program state:

Input 6 #, Open phone line cut off report function

Input 7#, close phone line cut off report function

Note:

During set, hear "Di" means set successfully, "Di, Di" means set unsuccessful

M. Order 9 #: modify user password

In program state:

Input 9 # 16 digit new password# [6 digit new password I #, change the old password

Note:

1. During set, hear "Di- means set successfully, "Di, Di" means set unsuccessful
2. During the password input, if enter wrong press "*" back to front menu

N. Order 24#,, set CID account

In program state:

Input 24# [4digit account] #, set CID alarm centre account

Note:

1. During set, hear "Di- means set successfully, "Di, Di" means set unsuccessful
2. During the set , if (411 er Nvrong, press "*" back to front menu

O. Order :30 #, 31 #: set recording, try recording function

In program state

Input 30 # [voice I #

Input 31 #, can hear the voice recorded.

Note:

1. When program, hear "Di" means set successfully, "Di, Di" means set unsuccessful
2. The longest record time is 10s, and can finish the record by press #

P. Order SO #, 81 #: open/close unattended function

In program state:

Input 80 #. open the unattended function

Input 81 #, close the unattended function

Note:

1. During set, hear "Di" means set successfully, "Di, Di" means set unsuccessful
2. When open the unattended function, trigger pir or alarm host, make the alarm host voice or 110 alarm, alarm host will send alarm information to the alarm center, after the alarm center receive the alarm information, the dial module will send alarm elimination information to the host, then the host voice and 110 alarm will stop.

Q. Receive alarm operation

After alarm host call the alarm phone number, user can operate as below:

Order 0 #: exit receive alarm, means user have received alarm, when there is no new alarm information, will not call this number

Order 2 #: alarm elimination, means phone alarm finished

Order 5# playback the alarm information

R. Administrator setting: fixed password 12*48# (dial module super code)

If there have special requirement administrator can set as below:

Order I #: empty password, recover default set 000000 (dial module user code)

Order 4 #: initialize all register except , password register

All phone number has been deleted, CID 'FFFF' detection, each group phone number will be called 3 times, playback 3 times, open phonenumber cut detection, A,B sort information all have phone alarm.

7.2.16 computer network function

A. Power on report

Connect RS232, then run the alarm software on computer, power on the alarm host, then the software will pop up the window of alarm host power on

B. Alarm display

Trigger the host to alarm, the software will pop up the window of alarm, show the alarm zone number, alarm type, alarm date, time and so on, alarm position will flicker on the electronic map.

7.2.14 The default set

A. User code:000000

B. Installer code: 888888

C. arm/disarm state: alarm host arm, 1-10 partition arm

D. Alarm log: No

E. Time:01-01 12:00

F. alarm host, partition timer open: 12:00 12: 00

G. alarm host, partition timer close:12:00 12: 00

H. Bypass: no zone bypassed, and timing announcement is closed.

I. Code: no code for all zones and all zones are common zone.

8. The usage and maintenance of micro-printer

1. buttons and indicators

The micro-printer have two indicator, on-line indicator, lac1:-paper indicator two buttons(SEL and LF)like picture1. The indicators denote the current status of the printer

• On/off line mode:

(1)The on-line indicator (green light) lights denotes that the printer is online and waiting to receive data.

(2) The on-line indicator or (**green light**,) goes dark indicates the printer is offline or the printer is disposing the data. After powered on or exited self test mode, printer goes in online mode, on-line indicator (**green light**) lights, holding down SEL button could make the printer switch from one status to another status.

Another function of SEL button is to realise pause during the course of printing. If hold down SEL when printing is going on, then release it, the printer will pause after finished printing the current line, at this time paper feeding mode can be selected. Hold down SEL button again and release it, the printer will continue to print.

•**Lack paper indicator (red light)**: the indicator lights indicate that there is paper in the printer, and if the indicator goes dark, there is no paper in the printer.



Picture 1

• **Paper feeding mode**: When SEL indicator is dark, hold down LF button, then release it, the printer will feed paper emptily, but won't print. Hold down LF button and release it again, the print will pause. Hold down SEL button at this moment, it will stop feeding paper and switch to on-line status.

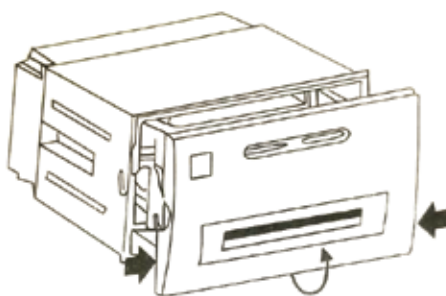
2.Paper Roll Installation : The paper has already been installed at ex-factory for micro-printers, but the paper head has not been inserted in the print head, this is in order to prevent the print head from damaging while transporting the printer for long-distance or storing it for a long time, so must insert the head of the paper roll in the print head firstly before printing.

The general steps of installing the paper for printers are as follows:

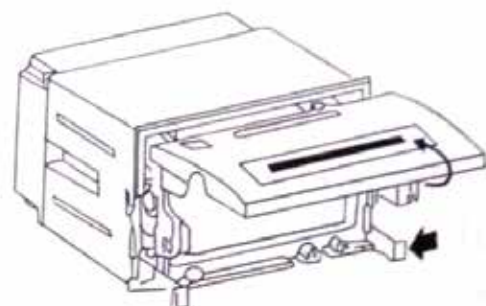
- (1)** Draw out the front, cover, print head shelves and the paper depository as picture 2
- (2)** Pull the two underside angles of the head shelves to turn 90 as picture 3,4;
- (3)** Pull the paper roller out front the paper depository. If there is already a paper roller in the printer, can jump over this step to fifth step.
- (4)** Put the new paper on the paper roller, and install the roller firmly according to picture 6. 7. Must insure that the paper roller is fixed firmly and will not lose out.
- (5)** Cut the paper end like picture 5.
- (6)** Put through the power of printer, press SEL (left) button, make SEL indicator to put out, then press LF (right) button, make the print head to turn, and insert the end of paper into the paper-in slot by hand and make sure that the paper end appears from above the print head, the paper should appear for a certain length, press LF button or SEL button again. Turn off the power.
- (7)** Close the head shelves and the cover, left and right forefinger pull the replacement handles of the head shelves to fix up the link between the head shelves and the paper depository as picture 10;
- (8)** Make the cover head shelves and paper depository replacement as the picture 11



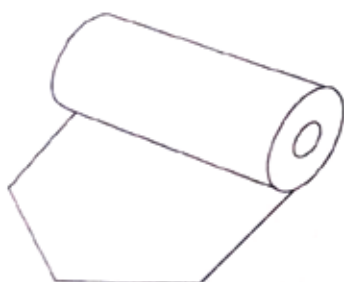
Picture 2



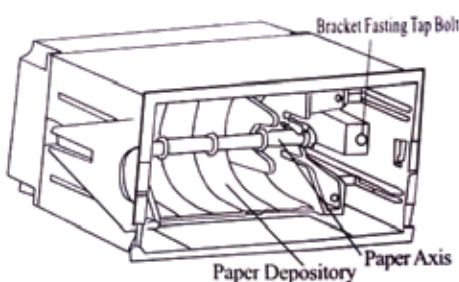
Picture 3



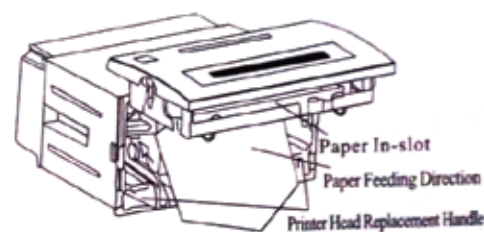
Picture 4



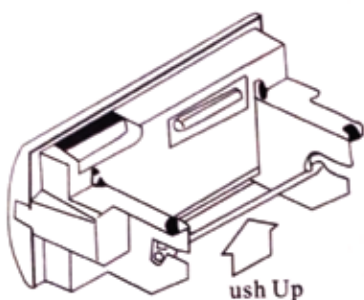
Picture 5



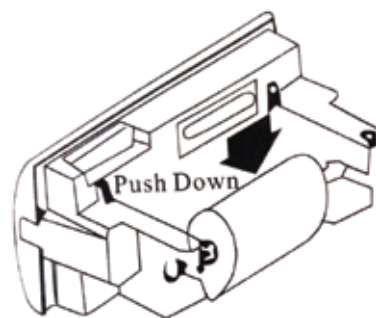
Picture 6



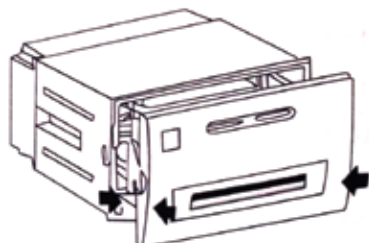
Picture 7



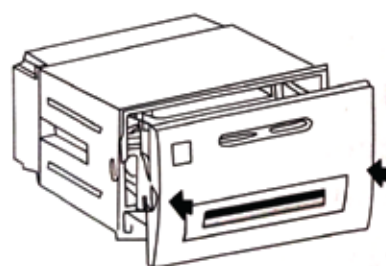
Picture 8



Picture 9



Picture 10



Picture 11

3. Ribbon Installation

The ribbon cassette has already been installed well at ex-factory, but after using for a period of time, it needs to change the ribbon cassette are as following:

(1) Draw out the cover, printer head shelves and the paper depository as the picture 2• hold down the fixed pothook below the shelves to the head of the printer and open the cover as picture 3; the figure after opening is as picture 4 ;

(2) Take down the old ribbon cassette, which is on the head of printer, (see picture 2). Please note: lift up the left end of the ribbon cassette first, then lift up the right one, take down the ribbon cassette.

(3) Installing the new ribbon cassette: firstly put down gently the right end of ribbon cassette on the gear wheel which is on the right end of the print head, lift up the left end a little, don't put down, at this time if you find the right end of ribbon cassette has not been put down to the bottom, please hold down the knob of ribbon cassette with finger, rotate clock-wisely, until the ribbon cassette has been put down to the bottom, then put down the left end. Please check whether the ribbon is drawn to be straight, if has not, draw it into the cassette until it is straight; if there is no paper in the print head, it is easier to change the ribbon cassette.

(3) Fit on the front cover or push the upper cover in the printer; close the upper cover, and push the cover, printer head shelves and the paper depository to their original position. It is as picture 11

9. Main technical specifications

1. ISS-200A alarm host

Size: 37.0 X 33,0 15,0 (CM, LXVVX (Excluding antenna)

Weight: 5,3 kg (Excluding battery)

Working power: AC 220V \pm 15% 50 Hz, DC: 12V-13.8V

Working current: standby current.230mA, alarm current 800mA

Working emironment : -10 ce -60 U

Alarm loudness:90dB within 1 meter

Radio receiving sensitivity: -.50.20 (14dB SINAD)

Dial mode: DTMF (Double-tone Multi Frequency)

High Frequency Level: - 7 \pm 3dBm

Low Frequency Level?: -9 \pm 3dBm

Resistance: --300t2

10.Packing list

1. ISS-200A alarm host	1PC
2. Antenna	1PC
3. User= s Manual	1PC
4. Power cable	1PC
5. Double-end phone line	1PC

11. Optional parts list

1. ISS-200ACT wireless infrared detector
2. ISS-200ATI wireless infrared detector
3. ISS-51/53A 8z B outdoor wireless emitter
4. ISS-50AI wireless emitter
5. 12V/7AH backup battery
6. 230 MHZ outdoor antenna
7. Micro-printer
- 8 . Network dialing module

12. Simple Failure Recovery

Fault symptoms	Failure Reasons	Failure recovery
No tone and no display when power. On	power socket may be bad 2, The Power cable may be not good Connection, 3, There is not power supply 4. The fuse may be burnt out	1, Check the plug and socket, 2. Check the fuse and replace it
Some zones cannot alarm	1.The zone may be erased. 2.The zone may be Disarm	1. Recover the zone 2. Arm the zone
The backup battery can't work normally.	1. The battery polarity may be incorrect. 2. The battery may be ineffective	1. Check the battery polarity to see if is correct 2.Check the battery and replace it.
The receiving distance of between the alarm host and becomes shorter.	1.The antenna may be damaged 2. The antenna interface may be loose 3. Does it share the same socket detectors with a TV, micro oven and etc. 4. Is it too close to a TV, micro oven and etc.	1.Replace the antenna 2.Fasten the antenna 3.it is recommended to use an independent power socket, avoid too close to devices with high electromagnetic radiation.
The distance of remote controller is become shorter.	Is the emission indicator flashing during emission?	Low battery voltage replaces the battery.
Forwarding is abnormal	Is the emission indicator flashing during emission?	Recover the jumper setup. Recover the code under the directions of the distributor
The zone communication malfunction	Alarm host has the function of timing communication. Alarm host do not receive Information within 24 hours to report the malfunction.	Check whether the extension is normal. Check whether the timing announcement is turned on. Check whether the distance between alarm host and extension is too far.
The alarm host always making alarm sound and cannot stop by pressing any keys.	If the code inputted are wrong for three times continuously, alarm host will make alarm sound for 30 seconds and cannot stop by pressing any keys.	Do not press any keys for 30 seconds, then press "Reset" key.

13. The limitation of this alarm system

While this system is an advanced design security system, it does not offer guaranteed protection against burglar or fire or other emergency. Any alarm systems, whether commercial or residential, is subject to compromise or failure to warn for variety of reasons. For example:

1. Owing to the Omission of the user, the system was not Armed.
2. Misunderstanding on the user's manual by the user or installer causes the abnormal working of the system.
3. Intruders may gain access through unprotected openings or have the technical sophistication to bypass an alarm sensor or disconnect an alarm warning device. Passive infrared Motion Detectors can only detect intrusion within the designed ranges as diagrammed in their installation manual. They can not detect motion or intrusion that takes place behind walls, ceiling, floors, closed doors, glass partitions, glass doors, or windows.
4. Passive Infrared Detector senses changes in temperature; however, as the ambient temperature of protected area approaches the temperature range of 32°C to 40°C, the detection performance will decrease.
5. It is exiting no—power or battery—aging.
6. Alarm warning devices such as sirens, bells or horns may not alert people or wake up sleeper if they are located on the other side of closed or partly open doors.
7. Phone lines needed to transmit alarm signals from a premise to a central monitoring station may be out of service or temporarily out of service. Phone lines are also subject to compromise by sophisticated intruders.
8. The most common cause of an alarm system not functioning when an intrusion or fire occurs is inadequate maintenance. This alarm system should be tested weekly to make sure all sensors and transmitters are working properly.
9. The wireless communication distance is the testing figure in open area. Please make sure no obstacle in the surrounding environment to guarantee the reliability of the wireless communication distance farther.
10. If you disagree with the above-mentioned items, please return the alarm system to our company within 3 days from purchasing. Installing an alarm system may make one eligible for lower insurance rates, but an alarm system is not a substitute for insurance. Homeowners, property owners and renters should continue to act prudently themselves and continue to insure their lives and property.