iDo218

Wireless Alarm System

ROISCOK

Contents

Packing List

1. 1pcs wireless control panel: iDo218CN;
2. 1pcs power adapter for iDo218CN;
3. 1pcs swift bracket for iDo218CN;
4. 1pcs 9.6v/1500mAH Hi-NH rechargeable battery in iDo218CN;
5. 1pcs wall mounting wireless PIR: iDo301W;
6. 1pcs curtain wireless PIR motion detector: iDo303DRW;
7. 1pcs wireless magnetic contact: iDo105;
8. 2 pcs remote controller: iDo104 or iDo114； .
9. 1pcs CD
10. 2pcs 4P cable which can be used for telephone line connector, UO connector and outside siren connector;
11. 1pcs 2P cable which cam be used for power supply connector.

CHAPTER 1 SUMMARY

iDo218 wireless net-workable control panel has perfect function, is widely used for home and commercial alarm systems. It can match with all kinds of wireless detectors of ROISCOK and iDo. It is easy and delightful to installers for its menu operation. The radio frequency is 433.92MHz.

Keys and LEDs

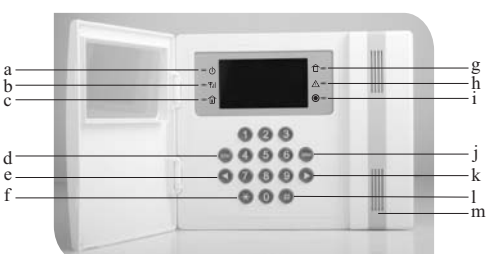


Fig. 1

a. Power LED b. Signal LED c. Stay arm LED

d. Stay arm key e. Move left key f. In and out menu key

g. Confirm key h. Arm LED i. Trouble LED

j. Record LED k. Arm key l. Move right key

m. Buzzer and record window

Main Function of iDo218

●62 wireless programmable zones. All the zones are defaulted as alarm zones, and can be changed through programming.

●All the zones can be divided into up to 5 partitions, partition 0-4. Partition 1-4 can be individually armed / disarmed, also set the daytime for automatically armed / disarmed; partition 0 is special, as long as arm any one of the partition, partition 0 will be automatically armed. All zones are defaulted as partition 0.

●Build-in a dialer, can alarm to Central Monitor Station and / or the users' phone numbers through PSTN/DTMF, it is compatible with Contact ID communication format.

●Alarm report can be sent to 4 follow-me phone numbers, or / and 4 central monitor station numbers at the same time. It can report 4 different Central Monitor Stations.

●With grade code and duress code: Main Code, Manage Code, User Code, One-off code and only disarm code.

●Up to 127 events log which can be checked on LCD. All the events can be chosen and sent to central monitor station, but cannot be deleted.

●With build-in recorder，can record 20 seconds voice. The record voice will play 3 times through follow-me numbers when alarm.

●Alarm call has priority function.

●Build-in siren driver, can drive build-in siren and 15W outside siren.

●Matched for up to 10 remote controllers. Arm and Disarm iDo218 by remote controller;

●Arm and disarm iDo218 through line/mobile phone.

●With remote management function, iDo218 can be remote managed and programmed by computer.

●With a Ni-MH rechargeable battery pack, the system can work more around 36 hours after lose AC supply.

Components and Technology Data of iDo218

●About iDo218

The iDo218 is powered by an adapter of 12V/2A DC, with 16 keys, a large 4 lines LCD, 6 LED, a USB port, a phone port and a network port. On the main board, there are a build-in siren and MIC, a connector for outside siren and phone line and UO.（Figure 1 and Figure 2）

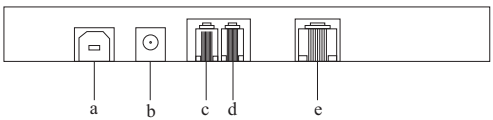


Fig. 2

a. USB b. Power c. Tel Set
d. Tel Line e. Network

●Zones and Partitions

iDo218 has 62 zones, can be matched with 62 different types of wireless detectors. All zones can be divided into four separate partitions and a special partition. Each individual partition can be individually armed and disarmed. Apply anti-theft protection system composed of multi-user.

●Zones Supervision

The detector will send a report to the iDo218 to confirm itself every 2.5 hours. The iDo218 will alarm to the central monitor station if no report received in 16 hours.

●Code and Grading

iDo218 can be set up 10 grading codes. Including a master code, an administrator code, and six user's codes, an only arm code and one-off disarm code. All the code can automatically generate a duress code. Master code has the top grade. The administrator code can be used to determine the permissions to each user.

●Recorder, Communicator and Follow-me Number

IDo218 has build-in recorder with 20 seconds.

IDo218 has build-in digital communicator with Contact ID communication format. It can be set up to 4 central monitor station numbers. When alarm, iDo218 will report alarm information to the central monitor station through telephone (PSTN/DTFM). It also can be set up to 4 follow-me numbers. It can send pre-recorded voice to each follow-me number when alarm.

●Auto Arm/Disarm

iDo218 can be programmed to one or several partitions which can auto arm/disarm at the same time everyday according to the build-in clock. Every partition can set different time for auto arm/disarm.

According to the built-in clock, the system can be set up auto arm time and auto disarm time so that one or more partitions automatically arm and disarm in the same time every day. Each partition can be set an independent time.

●Arm/Disarm

User can arm/disarm iDo218 by the following three ways: keys, remote controller, line phone or/and mobile phone.

●Events Log

iDo218 can save up to 127 events, including arm, disarm, alarm, etc.

Technical Data

Input power	DC12V 2A
Standby battery	9.6VDC1500mAH Ni-MH rechargeable battery pack.
External siren driver	DC12V15W
Maximum consumption	Basic 45mA, LCD backlight 60mA and internal siren 5mA
Minimum consumption	40mA, under battery supply
Dimensions	196×167×39 mm

Professional Terms

●Zone Types

There are 9 zone types as: alarm, transfer, close, Stay, 24 hours, gas, medical, panic and fire. The transfer zone is used only for the radio repeater.

Alarm zone could be set as entry/exit delay zone and instant zone. When trigger delay zone, the system will alarm after the delay time; When trigger instant zone, the system will alarm immediately.

24 hours' zones can not be disarmed, such as 24 hour, gas, medical, emergency and fire.

Stay Zone means when press [STAY] to arm the system, they are bypassed and cannot be armed.

Close zone cannot be armed anytime.

●Detector / Repeater Matching

Each wireless detectors / wireless repeater has a fixed and unique ID code. Before use, you must first match this ID to the control panel. Otherwise, the signal from detector or repeater would not be received by the control panel. This process is called Matching.

●Event

All the happened by system called event, including disarm, arm, alarm, iDo218 power low, detector power low, detector communication failure, clock failure, siren failure and so on.

●Arm/Disarm

ARM means start the warning status for part or all of the zones, DISARM means close the warning status for part or all the zones. During arming, iDo218 will alarm when any detector is triggered. During disarming, iDo218 will not alarm when any detector is triggered.

●Follow-me number

User can set 4 groups of users' telephone (line phone or mobile phone) numbers. iDo218 will send alarm voice to some phone number(s) when alarm. The numbers are called follow-me number.

●CMS Number

User can set 4 groups of CMS (central monitor station) telephone numbers. iDo218 will send alarm information through the 4 numbers when alarm. The numbers are CMS number.

●UO

When there is an alarm or any event, iDo218 could send the telecom number by UO correlative output port, these telecom numbers could startup other equipment or function of iDo218, we called as UO correlative. For example alarm correlative, arm correlative, system failure correlative and so on.

●Correlative Detector

iDo218 can designate two groups of correlative detectors. Each group has two detectors. The iDo218 would alarm just when the two detectors are both triggered in the correlative time. There are two types of correlative detectors that one type is with directional immunity and the other is without directional immunity.

●Partition

All the zones of iDo218 could be divided into 5 groups at most, called partition. Each one can be operated separately, such arm, auto-arm, disarm and auto-disarm.

●Arm and Stay

There are two arm keys: [ARM] and [STAY]. When press [ARM] to arm, all the zones/whole system will be armed. When press [STAY] to arm, all the zones except the stay zones will be armed.

●Close Zone

Zone which set as Close zone cannot be armed at any time.

CHAPTER 2 KEY PROGRAMMING

iDo218 can be programmed through keys and PC. To program iDo218 through keypads as following menu.

The programming menu of iDo218 including 7 sub-menus:

0) Help
1) Probe/Transfer Detector/Repeater
2) Setting Code
3) Set Phone/Partition Number
4) Check
5) On/Off Setting
6) Other setting

Keys Functions

●ARM

Use for arm the system. Change data or/and turn to another submenu when programming, such as On/Off and choice partition.

●STAY

Use for stay arm the system, turn to another submenu when programming.

●#/ Confirmation key

When system arming, it is used for confirmation input code and then

confirm disarm system; Use for confirm an operation, confirm data and save under the programming.

●*/ Enter /return back key

Use for enter into programming when system is disarming; Use for return back to last menu or exit the programming.

●[→] key

Under programming:
1) Move the cursor right.
2) To next menu.
3) To next line in HELP menu.

●[←] Key

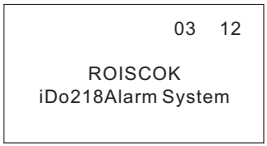
Under programming:
1) Move the cursor right.
2) To last menu.
3) To last line in HELP menu.

●Number key

Use for input the code, programming and other operation for numbers.

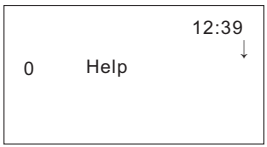
Programming iDo218

When power on, the LCD screen displays as following:



Under disarm status,press [*] to enter programming menu. If do not press [ARM], [STAY] or [*] the screen will display: Press [*] Enter Into Programming.

When programming, the screen displays:



Through the board at this time with the keys on the keyboard to program operation, all operations menu is as follows:

Form 1.Summary of Menu

Hot Key		Item	Default	Instruction
	0	Help		Press [→] to next line, press [←]to last line.
1		Detector/Repeater		Setting for Zones, partitions and repeaters.
	0	Auto Arm		Partition can be set time for arm/disarm by automation, according to the form as HH:MM[→]HH:MM. Before [→], HH:MM means time for arm; after [→], HH:MM means time for disarm. (Hour: Minute)
	1	Partition	All detectors in partition 0	Move cursor by [←][→], enter detector number. Select partition number by [ARM] or [STAY], and then confirm by [#].
	2	Correlative Zone	00-00 0m 00-00 0m	User can setup 2 groups of correlative zones: For example: 01-02 2m means 01 and 02 zones are correlative zones. The iDo218 will alarm when both of the two zones are triggered in 2 minutes. For example: 01[→] 02 2m means 01 and 02 zones correlative by sequence. The iDo218 will alarm when zone 01 triggered before 02. “>”or “-”decide correlative zones if have sequence, use [ARM] key to exchange.

Hot Key		Item	Default	Instruction
	3	Entry delay	No delay time	The system needs to a proper Entry Delay time for user to enter the protected area and disarm the system without triggering an alarm. Time setting range: 00-90 seconds.
	4	Entry delay	No delay time	The system needs to set a proper Exit Delay time for user to arm the system and get out of the protected area without triggering an alarm. Time setting range: 00-90 seconds.
	5	Zone Type	Intrusion alarm type	There 9 types of zone as: alarm, transfer, close, Stay, 24hr, gas, medical, panic and fire. And the transfer is used for radio repeater.
	6	Matching		In this mode, let the wireless detectors and/or repeater send a signal to the iDo218. After received the matching codes, all the wireless detectors and/or repeater will be matched in from 01 to 62. Exchange a. or b. by [→] or [←] a. Detector matching b. Repeater matching
	7	Cancel All		Cancel all the matched detectors. To be On the safe side, the system will ask for a reconfirmation.
	8	Cancel One		Input the detector number and [#] to cancel the detector
2		Setting Code		All the codes are made up of 4-6 digits.

Hot Key		Item	Default	Instruction
	0	Main Code	1234	The code is made up of 4-6 digits.
	1	Manage Code		The code is made up of 4-6 digits.
	2	User Code 2		The code is made up of 4-6 digits.
	3	User Code 2		The code is made up of 4-6 digits.
	4	User Code 3		The code is made up of 4-6 digits.
	5	User Code 4		The code is made up of 4-6 digits.
	6	User Code 5		The code is made up of 4-6 digits.
	7	User Code 6		The code is made up of 4-6 digits.
	8	Code for Arm Only		The code is Only for arming, it is made up of 4-6 digits.
	9	One-Off Code		The code is Only for One-Off disarmming. It is made up of 4-6 digits.
3		Set Phone/Partition Number		
	0	Set Follow-me		There are 4 follow-me phone numbers, press ARM or STAY to shift from One number to another.
	1	Set CMS Numbers		There can be set up 4 CMS Numbers (Center Monitor Station), use ARM, STAY to shift from one number to another.
	2	Follow Times	3 times	Dialing Follow-me Number Times. Up to 9 times.
	3	CMS Times	3 times	Dialing CMS numbers Times. Up to 9 times.

Hot Key		Item	Default	Instruction
	4	Partition 0 No.	0000	Partition 0 is armed simultaneously when arm any other partition(s).
	5	Partition 1 No.	0000	
	6	Partition 2 No.	0000	
	7	Partition 3 No.	0000	
	8	Partition 4 No.	0000	
4		Check		
	0	Event		The iDo218 can save 127 events.
	1	Trouble		When checking, the iDo218 will display the status of DC, phone line, battery and siren.
	2	Detector		User can check each detector's Type, Entry/ Exit Delay Time, Partition, Auto-arm Timeetc., use ARM, STAY to shift between detectors, use [→] or [←] to shift between the detector's attributes.
	3	Door Chime		Check each door chime's corresponded detector and the door chime's status. Use [→] and/or [←] to shift between the door chimes.
5		On/Off Setting		Use to turn on or off some functions
	0	Buzzer	On	Set the buzzer On or Off when operating by keys. Exchange by [ARM] or [STAY].

Hot Key		Item	Default	Instruction
	1	Chime		Set each door chime's corresponded zone and its On/Off. Max 8 door chimes are allowed. Such as: 1 door (--) Detector Off
	2	Quick Arm	On	For set quick arm or quick stay: a. Quick arm b. Quick stay On: Press [ARM] to arm the system directly Off: Press [ARM], then input code to arm the system On: Press [STAY] to arm the system directly Off: Press [STAY], then input code to arm the system Exchange a. and b. by [→][←], and exchange on/off by [ARM] or [STAY]
	3	Power trouble	On	On: When the system checked there is a DC trouble, it will alarm to CMS Off: When the system checked there is a trouble, it would not alarm to CMS
	4	Supervision	Off	On: iDo218 will report to the CMS after no signal from a detector in 16 hours; Off: No any report to CMS
	5	Siren trouble	On	On: When siren trouble the iDo218 will send report to the CMS; Off: No report to the CMS when there is any trouble of siren
		Siren alert	On	On: When arm/disarm, the siren will di- to alert. Off: When arm/disarm, the siren will no di- to alert.

Hot Key		Item	Default	Instruction
	6	Display	Off	On: When dialing, the LCD will display the dialing status ,if the dialing is successful etc., Off: When dialing, nothing will be displayed On LCD
	7	Stop by disarm	On	On： When disarm, the iDo218 will stop dialing CMS and Follow-me numbers； Off： When disarm, the iDo218 will still finish the dialing
	8	Remote manage	Off	On： Accept remote management by PC; Off： Prevent remote management by PC
	9	Noise Adjust	…	Set the system recognized the value of environmental electromagnetic interference
6		Other Setting		
	0	Set Date		Set the system date and time: Format: MM(month)/DD(date)/YY(year) HH(hour): MM(minute)
	1	Ring Time	12 seconds	The ringing time can be from 00-90 seconds
	2	Record		User can record voice through the microphone in the iDo218, 20 seconds.
	3	Controller match		Use for match or/and cancel detectors, exchange a. or b. by[→][←]: a. Controller match After matched, the controllers could work with iDo218. Up to 10 controllers can be matched. b. Controller cancel Cancel all of the matched controllers in one time.

Hot Key		Item	Default	Instruction
	4	Time test setup		Set up testing report time to the CMS every day. Format is HH:MM
	5	Siren delay Time	4 minutes	It can be set from 00-99 minutes
	6	Wrong Code Limit	3 times	It can be set from 1-9 times
	7	Keypad lock time	10 minutes	It can be set from 00-99 minutes
	8	Wrong code arm	On	On： Wrong code times more than limit, the iDo218 will report to the CMS; Off： No report to the CMS
	9	UO setup	No use, pulse	●There are 4 types of response events can be chosen by [ARM] or [STAY]: Arm, alarm, trouble and unused. ●When press [*], there are 2 types UO can be exchange by [ARM] or [STAY]: pulse or lock

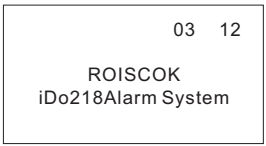
CHAPTER 3 SYSTEM OPERATIONS AND USAGE

Restore Default

After restore default, all the data and setting will be erased.

Step 1. Cut off all the power, including AC power and standby battery;

Step 2. Short on the DEFAULT jumper (Fig.9) , and then repower the iDo218, then off the DEFAULT jumper. The LCD will display as following:



●Keypad Arm

There are two keys [ARM] and [STAY] to arm iDo218

●Quick Arm

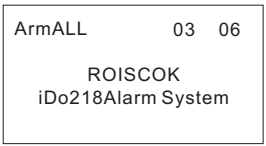
Press [ARM] to arm the system and press [STAY] to stay arm the system.

●Code Arm

When after set code arm, press [ARM] and code to arm the system, press [STAY] and code to stay arm the system.

●Arm/Disarm

When arm a partition the partition 0 will be armed simultaneously.



Arm System

●If set Quick Arm Off, press [ARM] and code and press [#] to arm the whole system. If set Quick Arm On, then press [ARM] to arm the whole system. When arming, iDo218 will give “beebee--”, which means the exit delay time starts. Make sure the windows are closed and leave the protected areas during the delay time.

Use [←] and [→] to choose Arm All, Arm Partition 1, Arm Partition 2, Arm Partition 3 or/and Arm Partition 4. And then confirm by [#].

●When arm all, all partitions/ zones are armed. The ArmAll will display on the LCD.

●When arm partition 1, the LCD will display ArmP1;

●Repeat above operations to arm other partitions. The LCD will display as ArmP1P2, or ArmP1P2P3, etc.

●When set Quick Arm On, arm the system without code.

Stay Arm

●If the system is set as Quick Stay Arm off, then press [STAY], and put in correct code and press [#] to stay arm the system. If the system is set as Quick Stay Arm on, then just press [STAY] to arm the whole system.

Use [←] and [→] to choose Stay All, Stay Partition 1, Stay Partition 2, Stay Partition 3 or/and Stay Partition 4. And then confirm by [#].

●Repeat and stay arm the partitions one by one.

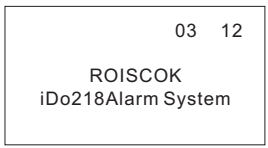
●When the system is armed, it will give to beeps “beep, beep--”, which means the exit delay time starts, make sure the windows are closed and leave the protected areas before the delay time is finished.

●When the exit time is finished, StyAll,StayP1 or StayP1P2 will be displayed on the LCD corresponding to which partition was stay armed.

●When it is stay arm, the zones which are preset as stay zones will be bypassed (means will not be armed).

System Disarm

1.When the system is armed, press any key, the screen will display “Please put in Code”. Put in the code and press [#], the screen will display “System Disarmed”, and will be back to the initial state:



2.Use [←] and [→] to choose which partitions would be disarmed.

Arm/Disarm by Remote Controller

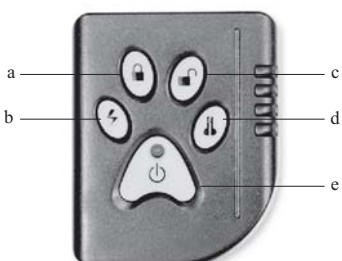


Fig.3 Remote Controller - iDo104

a.Arm b. Emergency c. Disarm
d. Matching e. Unlock Key

Press arm key to arm the system, press disarm key to disarm the system. Remote controller can only arm/disarm the whole system, cannot arm/disarm any single partition.

The keys will be auto locked in 10 seconds, press Unlock Key to unlock other keys.

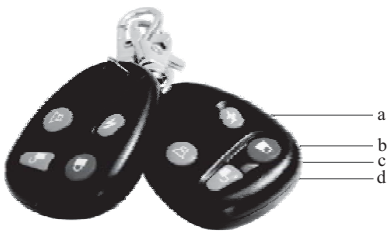


Fig.4 Remote Controller - iDo114

a. Unlock Key b. Arm c. Emergency
d. Matching

Arm/Disarm By Phone

User can arm or disarm iDo218 by phone. Following the steps to arm/disarm:

●Dial the phone number which connected with iDo218. After One "beep-", input user code and [#].When hear two confirm "beep", to input an arm code or disarm code and press [#] to arm/disarm. When the system is armed/disarmed successfully, it will give another two sounds to confirm. Hang up to finish the operation.
Arm/disarm code:
00 is used for arm all;
01 is used for arm partition 1;
02 is used for arm partition 2;
03 is used for arm partition 3;
04 is used for arm partition 4;

10 is used for disarm all;
11 is used for disarm partition 1;
12 is used for disarm partition 2;
13 is used for disarm partition 3;
14 is used for disarm partition 4;

●If user operated wrongly, the system will give three sounds (the first one and the third one are the same tone; the second one is different from them). User does not need to hang up it and redial, just input the correct operation again.

Matching Remote Controller iDo104

Before use, must match the remote controller firstly as following:

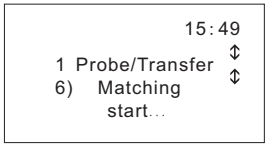
1. Generated the remote controller ID:Press and hold down the arm key Fig.2.a, then press the disarm key Fig.2.c for 15 seconds. Release the arm key and then the disarm key.

2. Enter into the panel's main menu: (6) other setting, choose 3a Controller match. Press the matching key Fig.2.d on the remote controller until the screen display "remote controller matched".

Note:Without operating controller in 5 seconds, the key will be locked automatically to prevent mistake. Before operating again, depress the unlock key firstly.

Matching Detector

1.Press * key entering into the control panel to programming status, choose: 1 Probe/Transfer, 6) Matching to write code, (a) Prober matching, input code and press "#" to confirm. The screen displays as:



2.Set the detector to matching status. For iDo304CMW and iDo301W, set S4 is On; for iDo105,set S3 is On.

iDo301W

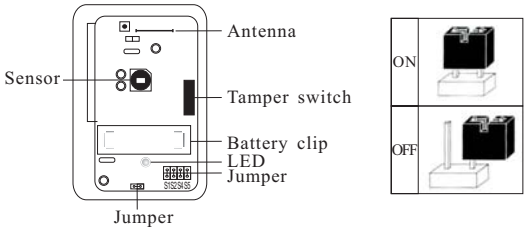


Fig.5 iDo301W

iDo304CMW

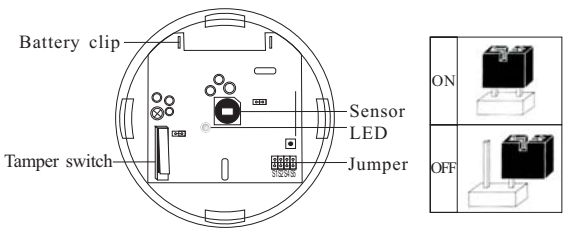


Fig.6 iDo304CMW

iDo105

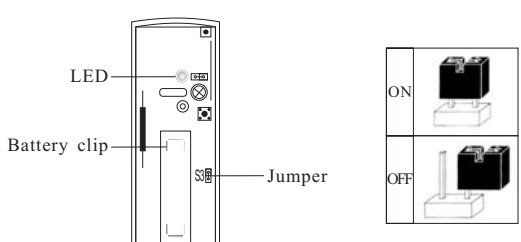


Fig.7 iDo105

3.Depress the TAMPER switch to send a signal to the control panel iDo218,the LED of the detector and iDo218 would be blink. The screen will display:

Note: 1. After matching, set detector and control panel to normal working status. 2. The "detector=01" means the first detector matched, max up to 62.

Zone Types

There 9 zone types as: alarm, transfer, close, Stay, 24hr, gas, medical, panic and fire. And the transfer is used for radio repeater.

Some types are 24 hours in arming status, no matter the system is armed or not. As long as triggered, the system will alarm at once, including the following five types: Panic, Fire, 24hrs, Gas and Medical.

User Code and Rights Grade

●Master Code

System has one Main Code which has the top authority. With this code, user can change Main Code, Manage Code and any other codes, arm/disarm the system, change all the settings, and check the system, detector, alarms and so on.

●Manage Code

Each system has only one Administrator Code; user cannot change Master Code with it, but owns the other same rights as Master Code.

●User Code

System can set 1-6 six User Codes. User can arm/disarm the system with User Code, but cannot change system settings and check system status.

●Code for Arm Only

System has one this code, with which user can only arm the system, cannot disarm the system or do other operations.

●One-off Code

System has a one-off code, which can disarm the system one time, and then it will be invalid.

●Duress Code

System is designed with Duress Arm. If user is forced to disarm the system, just comply with the intruder's wishes to disarm the system but use Duress Code, so system can send a silent duress alarm to the Central Monitor Station simultaneously.

All codes used for disarming are called disarm code. The disarm code added 1 to the last digit would become Duress Code. Duress Code and the disarm code share the first 3 digits. For example:
User code =1-2-3-4; duress code is 1-2-3-5
User code =6-7-8-9; duress code is 6-7-8-0

Note: Under no circumstances the Duress Code is used haphazardly or without reason. Central Monitor Stations, along with Police Departments, treat Duress Codes very seriously and take action immediately.

Emergency Keys

iDo218 provides three groups of emergency keys, which can be used at any time when police, fireman, or doctor is required. Emergency Alarm is defaulted as silence alarm.

1) Press 1 and 2 simultaneously last at least two seconds, will activate a Panic Alarm.
1) Press 4 and 5 simultaneously last at least two seconds, will activate a Fire Alarm.

2) Press 7 and 8 simultaneously last at least two seconds, will activate a Medical Emergency.

Door Chime

Any zone has door chime function. If set the chime function On and under disarm status, the iDo218 will produce three short beep sound as soon as the zone is triggered.

For home user, when door or window is opened, the sound can remind the mother to take care of the kids (this function needs to preset the Door Chime function as on); for commercial use, when the front door is opened, the sound can remind you here comes a customer.

Entry/Exit Delay

iDo218 system needs to set the proper Entry/Exit Delay time to ensure the user enter/exit the protected area when arm/disarm the system without triggering any alarm.

Note: If any zone is set as Entry/Exit zone and with the correlative zone function, then the Entry/Exit Delay time cannot be longer than the correlative time interval, otherwise the correlative zone will cannot be triggered and alarm.

Events Log

iDo218 log 127 alarm events. Each event will have an auto-number from 001, 002… to 127. All the events will be displayed chronologically; the latest event number will be 001. User can check the alarm time, alarm zone and other information by keys (including detector's tamper, supervision trouble etc.)

When the events are more than 127, the old events will be covered by the new events One by One.

Wrong Code Operation

To protect the system from malicious (spiteful) inputting code, iDo218 provides two solutions:

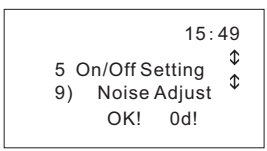
1.Set wrong code limitation is 1-9 times, when input wrong code continuously and the times more than the limitation, the system will lock the keys, then any key cannot control the system, the LCD screen will display “KEY LOCKED”.

2.Set wrong code locking time is 00-99 minutes, when system locks the keys, user needs to wait until the locking time is over.

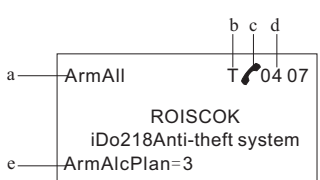
3.When set Wrong Code Arm to On, the iDo218 will report to the CMS when wrong code times more than the limitation.

Setting for against electromagnetic interference

An inevitable feature of wireless products is susceptible to interference. System has a function to against it. Into the menu: 5 9) wireless interference level. Enter the menu, set code and press "#" to confirm. The screen displays as following:



The bottom right number “0d” means the current level of external interference. The system also will record this as an internal reference value (if the value more than 20, the user need to check whether there exists electromagnetic interference surrounding). When arming, if the interference is higher than the level and continuous or repeated within 30 seconds, the iDo218 would alarm it to the central monitor alarm(Alarm events is: communication failure) .



a. Arm all the system;
b. There is external interference;
c. Means calling to the CMS and follow-me numbers;
d. Means system time;
e. Means the calling status.

Installation and Connection

1.Choose a dry place and convenient for power and phone line and good GND post for the iDo218. Power by external adapter, input 100-240VAC,50-60Hz, output 12VDC 2.0A.

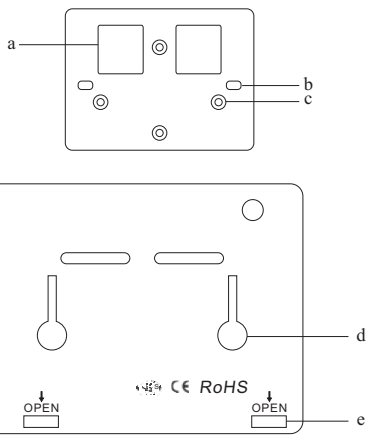


Fig.8 Installation Bracket and Holes

a. Installation bracket.
b. Installation pothook
c. Screw holes
d. Installation holes.
e. Open the housing here.

2. About the Mainboard and Connectors

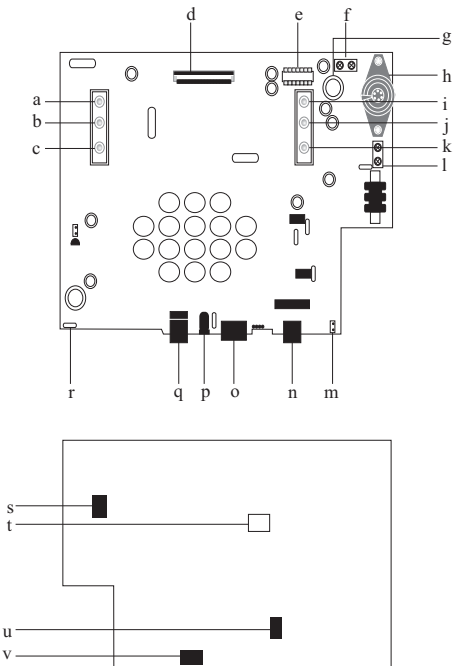


Fig9.motherboard and connectors diagram

a. Power LED
b.Signal LED

c.Stay arm LED.
d.LCD Screen connector
e.Recorder molectron
f.UO connector. iDo218 support one Utility Output. When connect the post, connect cathode to Uo and anode to AUX. When triggered, the UO will output 70mA at most.
g.MIC.
h.Build-in Buzzer.
i.Arm and alarm LED. It will be flickering when there is alarm event.
J.Trouble LED. The LED will be normally ON when there is any of the following trouble, such as DC trouble, phone line trouble, battery trouble and siren trouble.
k.Record LED. The LED will light when recording and then off.
l.Outside siren binding post. Don't upset cathode and anode.
m.Battery Pack connector. Don't upset cathode and anode.
n.Internet connector
o.Line and Phone for PSTN/DTMF and telephone set connectors.
PHONE: connect to telephone set;
LINE: connect to PSTN/DTMF.
p.Adapter connector, 12VDC.
q.USB connector.
r.Auto-restore protector
s.The binding post of outside siren and UO on overleaf
t.Default jumper
u.Power（12VDC） on overleaf, Don't upset cathode and anode.
v.Line and telephone set connectors on overleaf.

CHAPTER 4 APPENDIX

iDo218UD and Remote PC Management

This Remote Management Module iDo218UD is designed for download and upload to/from iDo218. With this Module, the wireless panel iDo218 can be programmed and maintained by the computer.

When user doesn't know how to program and maintain, the engineer can help the user by remote support. Especially for the quantity installation project, it can save installer much time and costs.

Connect the telephone line, DC12V, USB port of the computer as following:

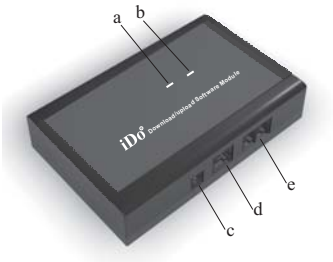


Fig.10

a.Indicator A b.Indicator B c.DC12V input
d.USB Port e.Telephone line

1.1Software Installation

A.Put CD into computer, running Setup.exe;
b.Select Typical to start installation;
c.You can see ROISCOK icon in the program listing of the start menu after installation.

1.2Running

Running the Remote Management Program, the start interface will come out.

The software has integrated interface, user just needs to choose in the menu when programming. The operation is very convenient and easy.

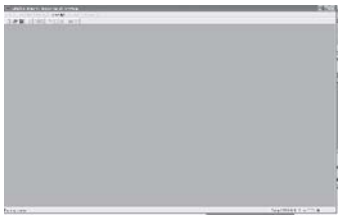


Fig.11 Start Interface for Remote Management

1.3 Login and Operations

1.3.1 Login

After starts up the system and click “Log in”, the following windows will come out, Fig. 12

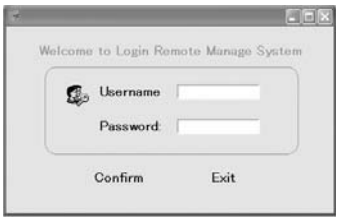


Fig.12 Login window

put in the correct user name and password to log in. Click "Confirm" to confirm user ID. The screen will show "Welcome to use the system" (as Fig. 13).

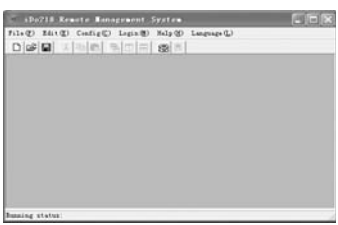


Fig.13 Login Success

Both of the default user name and password are "admin". The passport can be changed after log in.

1.3.2Communication Port Settings

During the operation of remote management, firstly should set computer's COM number and calling number as following:

Click “Configuration - communication port settings - and select the COM”, it will display as following (Figure 14.)

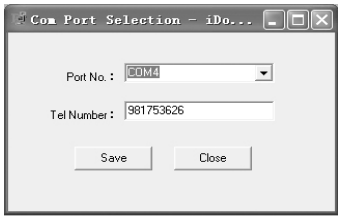


Fig.14 Select communication port

COM: general as COM1, which is used for connecting iDo218UD with RS232 on the local computer;

Call Number: the telephone number used for user’s control panel（iDo218）.

When finish setting, it will display″Communication Port successful″ on the PC（FIG. 15）

Fig.15 Select the communications port success

1.3.3Start the Communication Port

First, must set the Remote Management Switch of iDo218 as ON (menu 5.8), otherwise the computer cannot program iDo218 through iDo218UD.

Click "Configuration - Communication Port Settings - Start Communication Port", iDo218UD will dial the control panel. The windows will display successful dialing-up as shown in Figure 16.

Fig. 16 Communications port open success

1.3.4 Download data from Control Panel

Click "Configuration Download / upload", it will display as Figure 17.

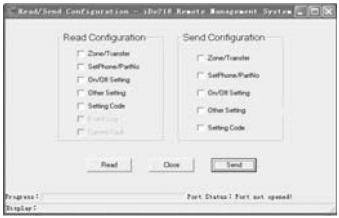


Fig.17 Download / Upload Window

Choose download column as required and click Download, iDo218UD immediately dial and download the information from the iDo218. As Figure 18.

Fig.18 Programmed Information

After download the windows whether reset the iDo218CN.

If need to continue, please click the "No"; Otherwise,If you click "Yes", iDo218UD will stop the dial and set Remote Management Switch Off.As Figure 19.

Fig.19 Finish Download

1.3.5 Checking the Information from iDo218

Click on "Configuration - Check Information", the windows will show the information, including events, trouble, detector status, doorbell status, code settings, phone number/partition number and othesr. Figure 20.

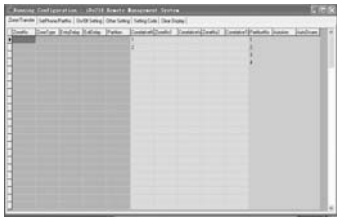


Fig.20 Information of iDo218

1.3.6 Upload data to Control Panel

Select the configuration column, as shown in Figure 16. After correct all of data in the iDo218, click the Send to finish upload and setting. Such as:

Click "Configuration On/Off Settings", windows will show as Figure 21.

Fig.21 Other Setting Window

Correct the data as requirement including power trouble, switch On/Off. Click "OK" to save and exit.

Select the configuration column again to correct other data, such as the detector setting, phone/partition setting, and switch On/Off setting, other setting, code setting, etc.

After corrected all of the data, select the columns need to change, and then click Send to upload. As Figure 22.

After upload, the system will remind whether to reset the iDo218CN. If need to continue, please click No; otherwise, If click Yes, iDo218UD will stop the dialing and set remote management switch Off.

Fig.22

2. iDo218 Events

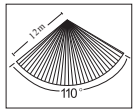
No	Events
1	Keys Arm
2	Keys Disarm
3	Auto-arm
4	Auto-disarm
5	Remote Arm
6	Remote Disarm
7	Telephone Arm
8	Telephone Disarm
9	Duress Disarm
10	Wrong code
11	AC Trouble
12	AC Restore
13	Telephone Trouble
14	Telephone Restore
15	Standby Battery Low
16	Standby Battery Restore
17	Build-in Siren Trouble
18	Build-in Siren Restore
19	Period Testing

No	Events
20	Keys Fire Alarm
21	Keys Medical Emergency
22	Keys Panic
23	Burglar Alarm
24	Stay Zone Alarm
25	24hrs Zone Alarm
26	Gas Leak Alarm
27	Medical Alarm
28	Panic Zone Alarm
29	Fire Zone Alarm
30	Detector Restore
31	Wireless Single Interference
32	Interference Restore
33	Detector Battery Low
34	Detector Tamper
35	Detector No Contact
36	Follow-me Fail
37	Alarm report fail
38	

3. Mounting Detectors

Wall Detector

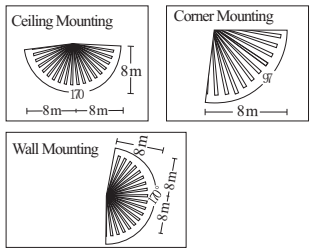
Wall mounting



Coverage

Curtain Detector

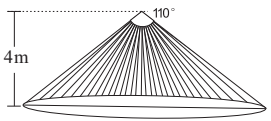
Ceiling Detector



Detection Range

Ceiling Detector

Ceiling Detector



Detection Range

4. FAQ

4.1

Q: The iDo218 dialed my phone when there is an alarm, but why cannot I hear anything Alarming sound through it?

A: iDo218 is not defaulted voice messages. So the user need to record voice before using. Step: enter the No.6 menu, then (6) other setting, then Fig.2.d recording, and then record the voice message. After that you will hear your voice when alarm.

4.2

Q: What is the feature of the Partition 0?

A: If the zone is set as Partition 0, means as long as any of other partitions armed, this zone will be armed.

4.3

Q: What is close zone used for?

A: If there is any zone does not need to be Armed/Disarmed, user can set the zone type as close zone.

4.4

Q: After a partition zone is armed, when any zone is triggered, why does not the iDo218 alarm?

A: First of all, check the zone type. If it is a close zone, then it is disarmed in any status; if it is stay-arm zone, then it is also disarmed status even the stay-arm zone has been armed.

Secondly, check if all the partition which belongs to the zone has been armed. Thirdly, if the zone is set as Correlative Zone. Only when the situation is matched the correlative alarm condition, and the iDo218

will alarm.

4.5

Q: What is the problem? When arming or any zone is triggered, the iDo218 cannot call through and send a message to the preset CMS, turn on the message displaying and the LCD screen shows: Contact ID Err.

A: Normally, it is caused by no setting Partition code. Follow the bellowing steps to set it: Go to No.3 (Phone Setting) of the Main menu, there are 0, 1, 2, 3, and 4 five partitions setting options. If user wants the iDo218 sends alarm information to CMS, then needs to set the relevant partition. For example: if a detector in Zone 01 needs to send alarm information to the CMS, then the user need to set a 4-digits code for Partition 1. With wrong format, the alarm information will cannot be recognized by CMS.

For the international CMS format, the partition code is made up of 4-digits from 0000 to 9999.

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