AS-9000 series Alarm Control Panel
User Manual

(PSTN, 4G, TCP/IP)

深 圳 市 来 啰 科 技 有 限 公 司
Athenalarm Technology Co., Ltd
http://www.athenalarm.com/

Thank you for choosing our panel.
Please read this manual carefully before using it.

Remark:

1. The alarm control panel has passed the national type inspection.
2. The alarm control panel is being constantly improved. Subject to change without prior notice.
3. The alarm control panel you purchased may not be completely consistent with this user manual, but it will not affect the performance of the product. Please use it with confidence.
4. Please keep this user manual in a safe place for emergencies.
5. The alarm control panel is compatible with GSM, GPRS, 4G modules. The GPRS and 4G are uniformly displayed as GPRS on the keypad.

Quick Instruction

1. Function of Remote Control

	Disarm：	Eliminate the alarm
	Arm:	Arm
	Stay:	Arm except for the internal sector
	Emergency:	In an emergency situation,

press it for 3 seconds. The alarm control panel will alarm automatically.

2. Appearance of LCD Keypad

3.The key Instructions：

ARM：Press "ARM" button, the alarm control panel enters the arming state. (No need to enter a password, one key mandatory arming)

DISARM：Press "DISARM" button and input user password "123456" + "ENTER", the alarm control panel will be in the disarming state.

ALARM: Press "ALARM" button for 3 seconds, the alarm control panel will alarm automatically, no matter whether the alarm control panel is in the state of arming or disarming.

ENTER: Login or enter the menu

CANCEL: Return to the previous menu

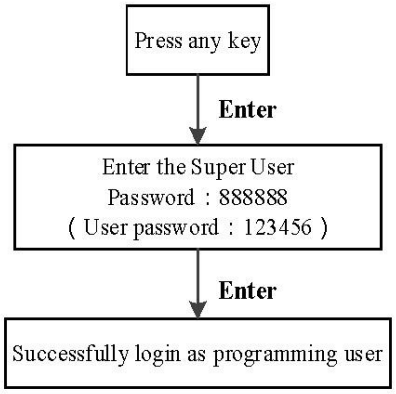
DELETE: Delete present menu options

Return: Exit the system, press for 3 seconds to cancel current user

UP: Up page

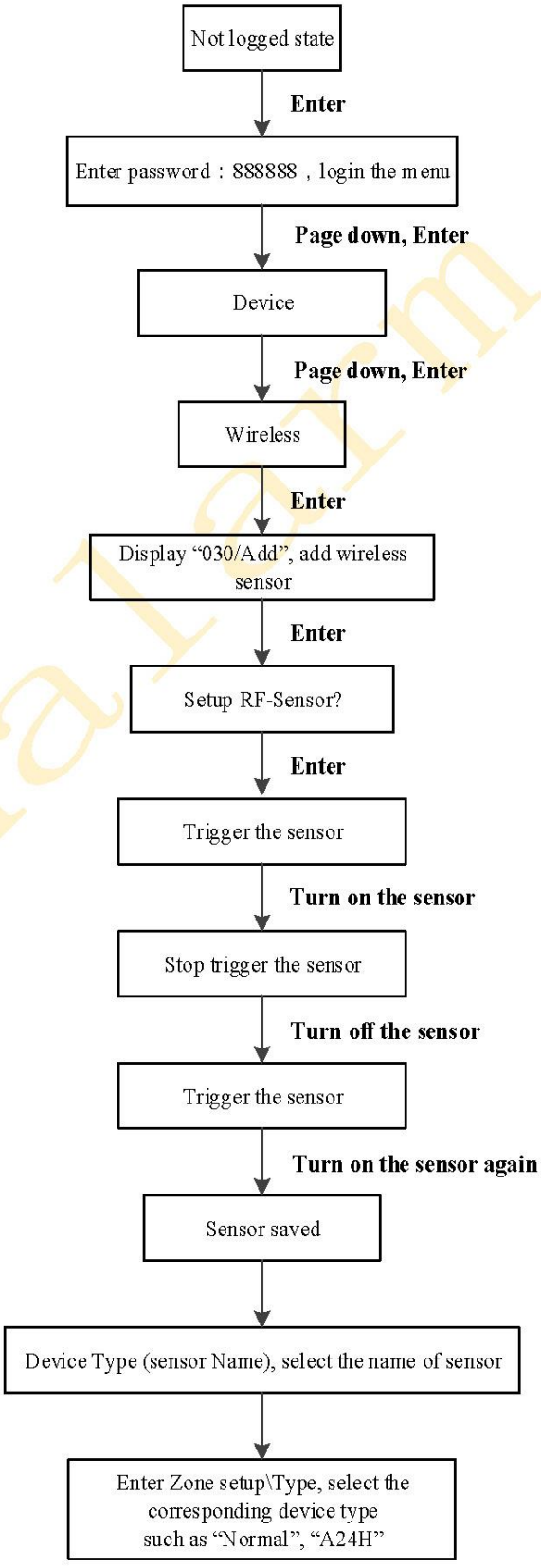
DOWN: Down page

1. Login the System Menu

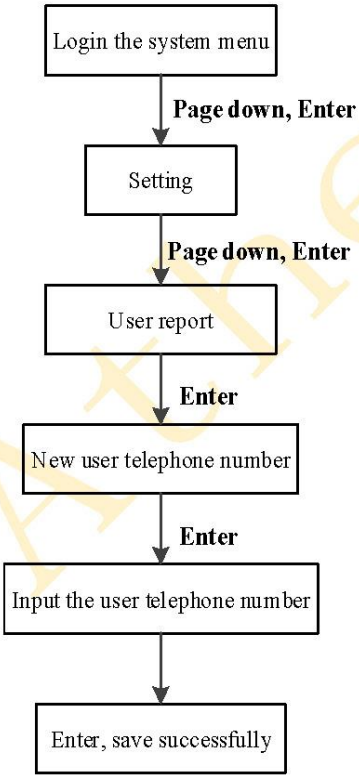


(For exit, press "Return" button twice)

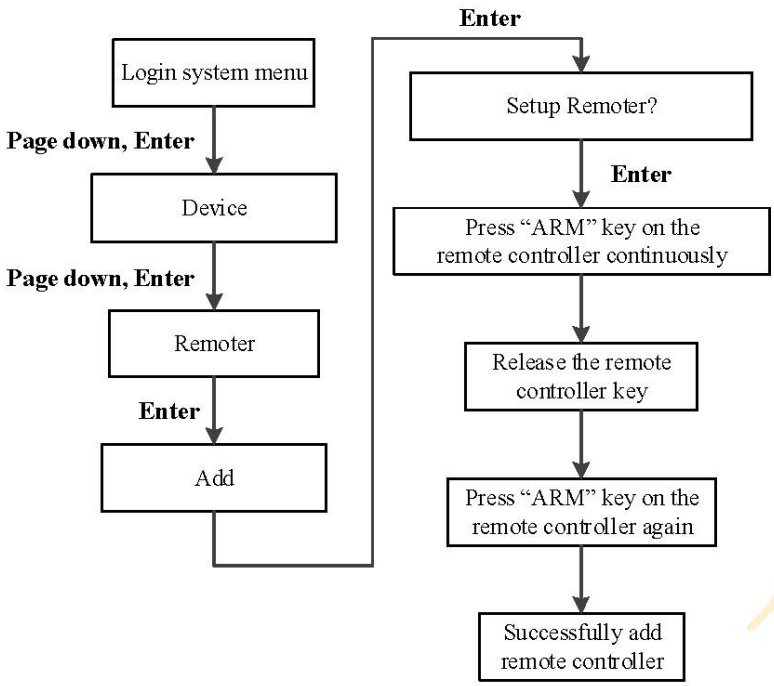
2. Set Wireless Zones



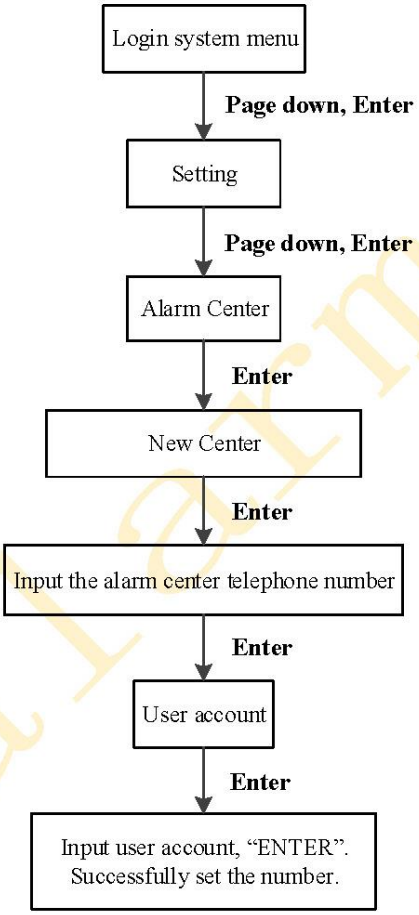
3. Set User Telephone Number



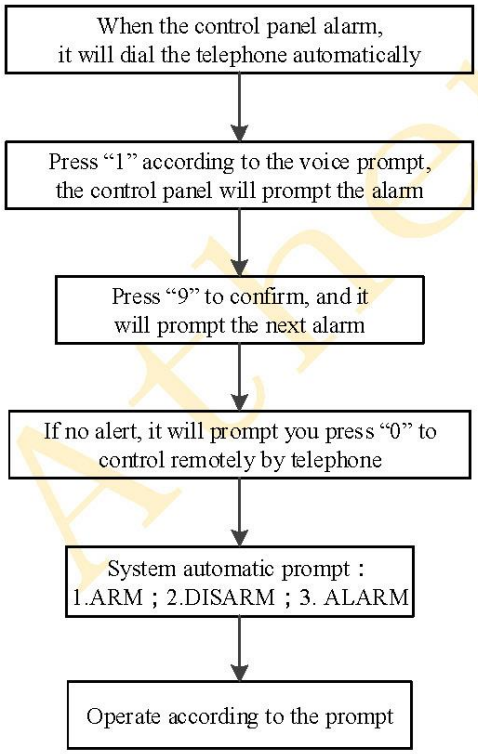
4. Set the remote controller



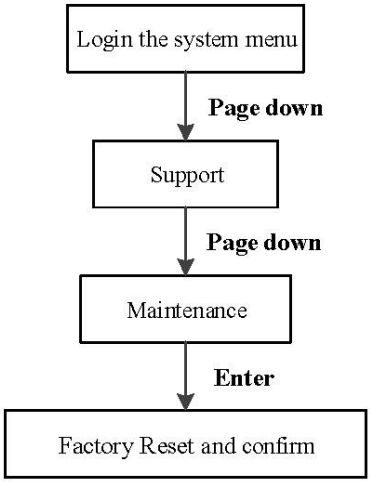
5. Set networking alarm center telephone number



6. Telephone Remote Control



7. Restore the default setting



（In the absence of programming keypad, you can dial the telephone connecting to the alarm control panel. The alarm control panel will pick up it automatically after 8 rings. Then you can operate the alarm control panel remotely according to the voice prompt after inputting user password "123456". **You can send SMS "123456 arm" and "123456 disarm" to the alarm control panel to arm and disarm for the alarm control panel with GSM function.**）

Contents

Ⅰ Function Instruction

1.1 Profile

It supports 16 wired zones, 30 wireless zones, expandable up to 1656 bus zones using address modules, can expand warning sign, micro-printer etc. output equipment. LCD keypad, voice prompt and human-computer interaction interface operation, easy to install and debug, stable and reliable. It adopts advanced 32-bit ARM microprocessor. This guarantees the high integration, high reliability and a variety of flexible interface. It can store 4 alarm telephone numbers, and 2 alarm center numbers (e.g., the public security bureau 911 alarm receiving center) at the same time. It can upload alarm information through PSTN, 4G, TCP/IP communication methods.

It is suitable for families, residential quarters, villas, commercial auxiliary networking, the financial system, authority institutions, industrial parks, schools, libraries, hospitals, and many other areas.

1.2 Precautions

- If you want to set the local Public Security Bureau's number as alarm receiving center number, you need get the consent from the Bureau beforehand.
- Only after confirming the whole system without any problem, you can connect it to the power.
- The DC12V 7AH sealed lead-acid battery is recommended. Please note that the red positive wire should connect to the positive (+) of the battery, while the black negative wire should connect to the negative (-) of the battery.
- Maximum charging currency：1.5A
- When installation or wiring, pay attention to avoid using metal or hand to touch / hit electronic components of the circuit board.
- To avoid wrong wiring and convenient maintenance, it is recommended that each access wire be labeled.
- Must disconnect all power supplies and telephone lines before repairing.

1.3 Functions Instruction

◆ **Easy to Use**

- 16 wired, 30 wireless onboard zones, wired, and wireless zones are compatible.
- Expandable up to 1656 bus zones using the address modules.
- English & Chinese LCD keypad, menu programming, human-computer interaction interface, query panel status, alarm information all English display.
- Intelligent voice prompt, built-in voice module, can make voice alarm. Arm / disarm voice prompts, alarm information telephone voice broadcast, abnormal zone automatic bypass, and voice broadcast when arm.
- PSTN (basic), 4G, TCP/IP communication options, suitable for a variety of occasions.
- Standard Contact ID communication protocol, can communicate with the mainstream alarm receiver.
- Support 12 keypads: 1 main keypad, 11 sub-control keypads. 1 sub-control keypad can set two defense zone intervals. The panel can be divided into 22 partitions through the keypads at most.
- Support 8 remote controls.
- 12 user passwords can be set: 1 super user password, 1 main user password, 10 user passwords. The passwords are 6 digits and can be set according to users' requirements. After using the main user or user password to arm, the super user password cannot disarm, which improves the security of the system.
- Can set 4 phone numbers for alarming (either landline or mobile phone number) and 2 alarm center telephone numbers (upload 2 alarm centers at the same time), 2 special alarm center telephone numbers for disarming, so the upload is free of charge.
- 5 types of arming and disarming: Keypad, phone voice, SMS, remote control, alarm software.

- "Black Box" function, can store 1500 event records. Can query the zone alarm information, arm, and disarm information, and the battery voltage.
- The alarm control panel has a test program, it can be able to diagnose where an error occurs (the wire, the sensor, or the alarm control panel itself).

◆ **Stable and Reliable**

- Automatic short circuit protection: the port of 12V power output, siren or others occur short circuit, the alarm control panel automatically protect itself, will not damage the alarm control panel;
- Battery foolproof design, alarm control panel automatically protect itself if positive and negative are converse; battery low voltage, over discharge protection; battery fault protection (such as charging curve is abnormal, the charging current will be limited);
- Zone interface circuit with anti-surge design, resistance to 4KV surge impact;
- The alarm control panel shell 24 hours tamper, telephone line anti-cut, anti-short circuit, the alarm control panel automatically alarm at once, AC power off alarm, battery loss, low voltage alarm.

1.4 Main Technical Performance Indicators

Power supply:	AC220V±10%
Static Consumption Current:	≤150mA
Alarm Output:	≤1000mA, 12V
Output Voltage:	DC12V～15V
Wireless Receiving Frequency:	315MHZ / 433MHZ optional
Working Temperature:	-10 ～ 55°C
Working Humidity:	40 ～ 70%
Dimension:	Length 27CM * Width 26CM * High 8CM

1.5 System Operation

The main use of the alarm control panel is to detect whether someone intrude into your office or home and ask for emergency help. Before you leave the office or home, you should make sure that the windows and doors are closed and let the alarm control panel in arming state. When the alarm control panel is armed, if any sensor is triggered, the alarm control panel will alarm.

1.5.1 If the alarm control panel connects to a siren and the zones are set as sound alarm, there will be a sound alarm and the keypad will beep.

1.5.2 If the alarm control panel connects to the alarm center, it will transmit the alarm information to the alarm center through telephone network or other methods, such as mobile phone, internet, etc..

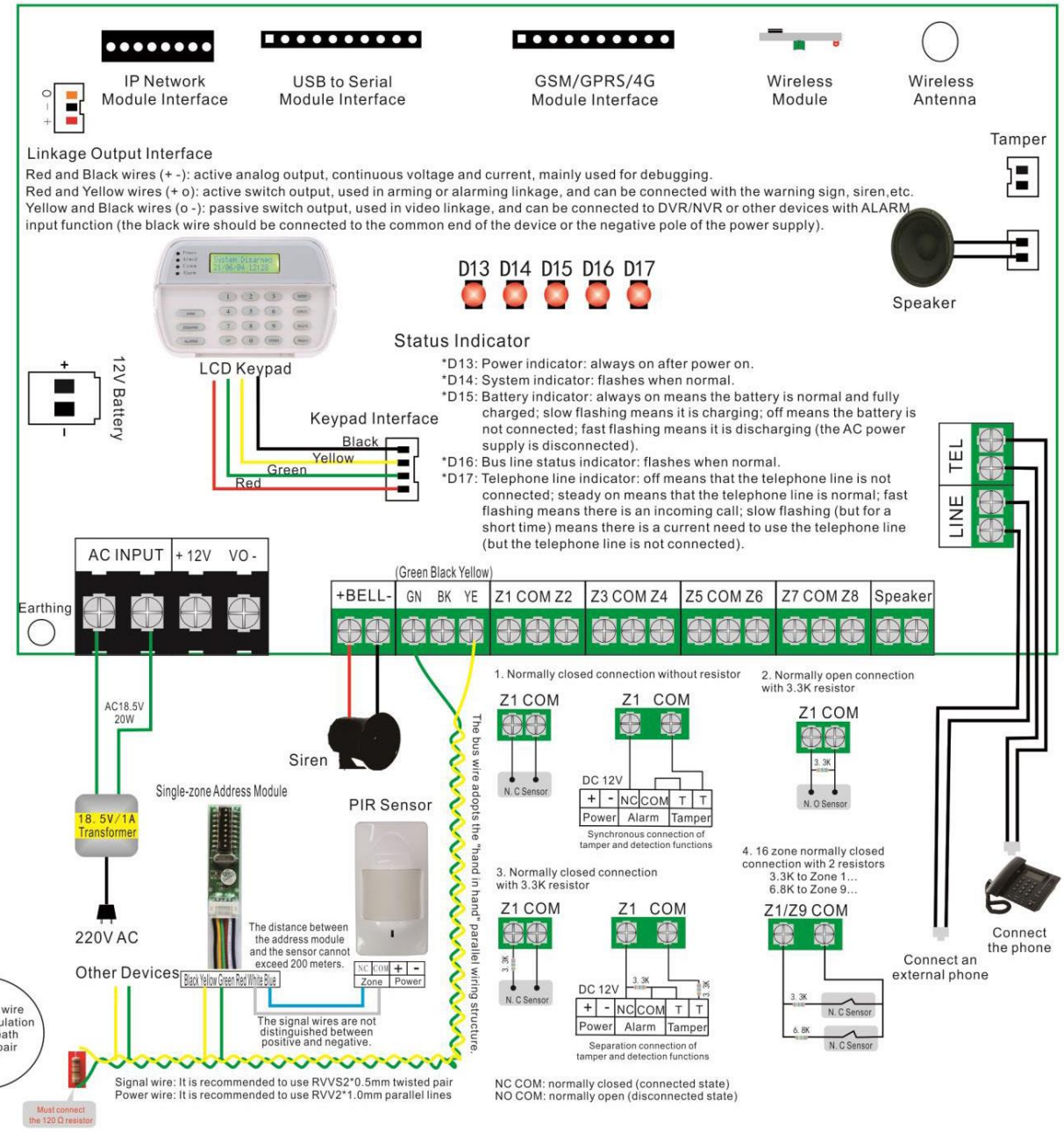
1.5.3 If the the user's or security personnel's phone numbers (landline or mobile phone number number) are set in advance, the alarm control panel will dial the presetting numbers in turn. And it can arm and disarm through telephone buttons.

1.5.4 In the alarming state, the LCD keypad screen will display the alarm information.

Ⅱ Installation and Wiring Instruction

2.1 Installation and Wiring Diagram

2.1.1 Installation and Wiring Diagram of the Motherboard



Alarm Control Panel Wiring Instructions

1. The Athenalarm alarm control panel can use resistors to expand 16 wired zones onboard, please select the corresponding resistance in the "Device Management\Panel Setting\Advance\End-of-Line Resistance". No resistance is connected by default, and the sensor is connected to the normally closed interface.
2. When using AC220V power supply, the AC power wire and signal wire should be laid separately, and the distance between the them should be more than 20cm.
3. It is recommended to use RVVS2*0.5 (twisted pair) as the signal wire, and avoid using thick wires over 1.0mm as the signal wire, which will cause unstable signal transmission. If there is a shielding layer, be sure to connect the shielding layer to the "black" port of the motherboard and the negative pole of the power supply of all expansion devices.
4. It is recommended that the length of each bus wire does not exceed 1200m without adding the repeater. If the bus wire exceeds 1200m, repeaters or optical fiber transmission are required (If the optical fiber transmission is selected, the 485 bidirectional optical transceiver must be selected).
5. In order to ensure the stability of the bus wire communication equipment, it is recommended that the 485 bus wire adopts a "hand in hand" parallel wiring structure. If the distance between the bus wire and the expansion device is less than 5m, it is not considered as a branch. The star wiring structure is strictly prohibited. If the branch or star wiring is necessary, please use 485 splitter to solve the above problems (485 splitter is also called repeater, extender, HUB).

Please read the Athenalarm alarm control panel bus wire wiring instruction to know more details.

2.2 Power Supply Connection

2.2.1 Transformer connection: Two red wires connect to AC 220V input port, while two yellow wires connect to AC input port of main board (had connected by the factory.)

2.2.2 DC12V battery connection: Red wire on the circuit main board connects to the positive pole of acid-lead battery while black wire connects to the negative pole of acid-lead battery.

2.2.3 Auxiliary power output: In case of connecting to external power, if the auxiliary power is short circuit, the alarm control panel will power down no more than 20 seconds and recover. But the auxiliary power output will close. When only AC power supply, if the auxiliary power is overload (not full short), it may cause main board intermittent power supply (similar like jitter).

In case of using battery power supply, should cut the power off immediately, then plug the battery again or use AC power supply.

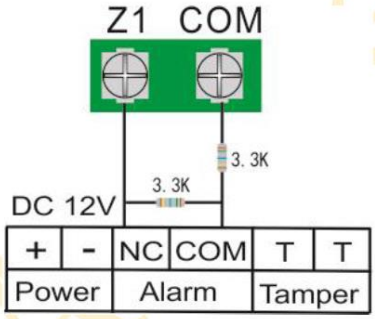
The auxiliary power current exceed 1.1A for long time (>30 seconds), the auxiliary power output will close and recover automatically after exclude the fault.

2.3 Connection of Wired Sensor (wired zones: zone 1 to zone 16)

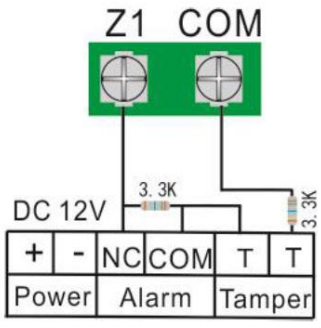
2.3.1 Connect signal wire of wired sensors:

	EOL	NO	NC	Zones
1	None		√	8
2	3.3K	√	√	8
3	6.8K	√	√	8
4	3.3K+6.8K (expension)		√	16
5	3.3K+3.3K (tamper)	Tamper function of the sensors		8
6	Open circuit	√		8

3.3K+3.3K sensor tamper and alarm output share signal wire wiring diagram



Normally closed connection with 3.3K+3.3K



Separation connection of tamper and detection functions

2.3.2 Wired sensor power connection: Connect the positive and negative poles of the wired sensor to the 12V output port of the main board (not more than 1A) , and do not connect the positive and negative poles incorrectly. If the current of the connected sensors is more than 1A, please do not use the main board 12V power supply, please use another power supply (such as switching power supply) to power the sensors.

2.3.3 The zones we don't use can be closed by keypad or shorted.

2.3.4 Enter "Device/Panel setting/More Setting/WTRES" to choose corresponding resistor.

2.3.5 The distance between the alarm control panel and the sensors should be less than 150 meters.

2.4 Connection of Wireless sensor (wireless zones: zone 30 to zone 59)

Please check "set wireless zones" in the quick instruction.

If only use the wireless sensors, should close the wired zones by the below methods: prohibit the wired zones alarm in the system "Device/Panel setting/Wired zones/Enable".

2.5 Connection of bus zones (bus zones: zone 100 to zone 1999)

2.5.1 The bus wire can connect up to 256 expansion devices, including single-zone address module, single-zone address module with output, 8-zone address module, 8-zone linkage module and keypad.

2.5.2 The bus wire wiring requirements: twisted pair shielding RVVS 2*0.5 is recommended, parallel RVV 2*0.5 is not recommended. If the wire has shielding layer, shielding layer must connect to the "black" on the motherboard of the alarm control panel and negative pole of the power of all the expansion modules. When the bus wire length is up to 1200 meters theoretically, a repeater should be added. If optical transceivers are used, the 485 bidirectional optical transceiver must be selected; all bus expansion modules adopt the "hand-in-hand" wiring structure. If there are branches, please use branch device.

2.5.2 Single-zone address module installation: dialing code base on binary mode, for example, the first zone correspond the bus zone number 101, which is based on the dialing address plus 100 for the bus zone number. If there is a recode or missing code, the alarm control panel automatically will automatically assign the module starting from 399 to the same code module. The number behind the zone code is the bar code number attached to the single-zone address module (please check single-zone address module user manual to learn more).

2.5.3 8-zone address module installation: the module occupies the alarm control panel zone from 400 to 1999. The zone number refers to the number displayed at the keypad when the module alarms, and the zone number = address code * 8 +400 (please check 8-zone address module user manual to learn more).

2.5.4 After the wire is connected and powered on, all the bus devices will be found and listed in the "device\Bus scanner"; each time the bus device is added or subtracted, the bus device must be searched again; for example, 10 expansion modules are connected, the number of the bus device will display 10 in the system after searching, that it is correct. If you want to set the bus zone quickly, you can view in the "Common\System Status\Zone's Status" (8, 9 is a quick page up and down), select the zone need setting and set the type of zone.

Note: Please read the Athenalarm alarm control panel bus wire wiring instruction to know more details.

2.6 Connection of Siren

Siren port: Connect the positive pole and negative pole of siren to the main board of the alarm control panel bell port.

2.7 Telephone Line Connection

The external telephone line connects to the LINE terminal of main board. The telephone connects to the TEL terminal of main board.

2.8 Installation of Keypad

2.8.1 Keypad connections:

1) Plug the data cable to J3 connector on the back of keypad. Insert another end to J11 white socket of main board.

2) Connect the red and black wires to 12V output port of main board. Pay attention to positive and negative. The green and yellow wires of keypad connect to the corresponding color terminals of main board.

2.8.2 Fix the bracket of keypad and buckle the keypad to it.

2.9 Linkage output interface

Red and black wires(+ -): Active analog output, continuous voltage and current, mainly used for degugging.

Red and yellow wires (+ O): Active switch output, used in arming or alarming linkage, and can be connected with the warning sign, siren, etc.

Black and black wires (O -): Passive switch output, used in video linkage, and be connected to DVR/NVR or other devices with ALARM input function (the black wire should be connected to the common end of the device or the negative pole of the power supply).

2.10 Zone Allocation Table

Zone No.	Function
1-8 (8 zones)	8 zones in no resistor or single resistor mode
9-16 (8 zones)	8 expansion zones in double resistors mode
17 (1 zones)	zone for tamper of the alarm control panel shell
20-27 (8 zones)	zones for wireless remote controls
30-59 (30 zones)	zones for wireless sensors
100-399 (300 zones)	zones for single-zone address modules
400-1999 (1600 zones)	zones for 8-zone address modules

Warning: Please check and confirm the correct wiring carefully before powering on. Take care to prevent the power wire, the siren wire, the positive and negative pole of the sensor power wire from being reversed, short circuited, or the sensor power wire and signal wires from being short-circuited.

Ⅲ Programming List

● **Must be programmed at the state of disarming**

NO.	ITEM	DEFAULT	DESCRIPTION
1	**Common (common menus)**		
1.1	Arm		Make the alarm control panel in the arming state. If the zones are normal, the alarm control panel will prompt you arming OK. If the any zone is abnormal, the alarm control panel will prompt you the abnormal zone.
1.2	Disarm		Remove the arming and alarming state from the alarm control panel.
1.3	Home Arm (stay)		Make the alarm control panel in the arming state (Except for zone type "internal" zones)
1.4	Alarm Log (alarm record)		View all the alarm records after the last arming. More records can be viewed in the “Support\Log Viewer\Alarm Log”.
1.5	System Status		
1.5.1	Zone’s Status (View the state of zone)		To query the armed, bypass or triggered zones. Can enter the relevant zone directly and set.
1.5.2	Panel Info (View the alarm control panel information)		View the battery voltage, the control alarm panel power supply voltage and alarm control panel version
2	**Device (device management)**		
2.1	All devices		display all the bus devices in the alarm system
2.2	Panel setting		
2.2.1	Wired Zones (Wired zones setting)		01-16 wired zones
2.2.1.1	Type	Normal	Normal, Delay, A24H, S24H, Internal, Perimeter, Emergency, Fire, Gas, Medical, B24H, Doorbell, Locker
2.2.1.2	Enable (alarm)	Y	If set to forbidden, the zone will be closed without alarm
2.2.1.3	SirenType	Alarm Time	Turn off the siren optional: Alarm Time and Alarm Restore
2.2.1.4	CID Code	140	Can be changed when the zone type is inconsistent with the central software definition code

2.2.2	Abnormal Set (abnormal setting)		
2.2.2.1	Tamper	N	Whether alarm when the alarm control panel shell is opened
2.2.2.2	Line Off	Alarm	Whether alarm when the telephone line is cut or telephone is not picked up
2.2.2.3	AC Loss	Alarm	Whether alarm when AC loses power
2.2.2.4	Bat Miss (battery abnormal)	Alarm	Whether alarm when the battery is low or the alarm control panel does not detect the battery
2.2.2.5	Bus Error	Alarm	Whether alarm when the bus wire fault
2.2.2.6	Abn-Alarm (abnormal alarm)	N	Open / shut down abnormal alarm
2.2.2.7	DEV offline buzzer	Y	When an abnormal fault occurs (the bus device is disconnected, etc.), whether the keypad emit a prompt tone? (Prerequisite: the abnormal alarm option must be turned off)
2.2.3	More Setting		
2.2.3.1	WTRES （EOL，End of Line）	NA	none resistor NC 8 zones 3.3K/6.8k resistor NO/ NC 8 zones 3.3k+6.8K resistor NC 16 zones 3.3K+3.3K resistor Tamper function for sensors 8 zones Open circuit NO 8 zones
2.2.3.2	Notify	Speaker	Speaker prompt (voice prompt) or siren prompt when arm and disarm
2.2.3.3	AlarmSpk (play times)	1	Play times 0-3 optional
2.2.3.4	SENS (trigger time)	250	When the trigger time of the emergency button, vibration, etc. reaches the setting time (millisecond), the alarm control panel alarms
2.2.3.5	Drive (linkage output)	Alarm	Whether linkage output when the alarm control panel alarm
2.2.3.6	Active-Z (active zones)	0	Nursing home customized function, please contact the Athenalarm's technician
2.2.4	Current Keypad		The same as 2.3 This keypad
2.3	This keypad		
2.3.1	Alarm Zone	60	Display the zone number of the current keyboard
2.3.2	Beep	Y	Only display when the system is abnormal faults (bus wire, battery, etc.), there is no sound on the keypad
2.3.3	Secure	N	
2.3.4	Subarea Control		02-09 is the subarea control keypad number. Area1 is 1 to 255 zones, Area2 is 256 to 2047 zones. The subarea control keypad must be used with the sub-user password.
2.4	**Remoter** (remote control management)		

2.4.1	020/Default 021*Add … 027*Add		020 * Add: indicates that there is no remote control in zone 20. 021 / remoter: indicates that there is a remote control in zone 21
2.4.1.1	Delete		Delete the current remote control
2.5	**Wireless** (wireless sensor)		
2.5.1	030/Add … 059/Add		030 * Add: indicates that there is no wireless sensor in zone 30 031 / RF-Magnetic: indicates that there is a magnetic sensor in zone 31
2.5.1.1	Name		Magnetic, PIR, Smoke, Gas, Panic, Beam
2.5.1.2	Type		Display the type of the zone
2.5.1.3	Zone setup		
2.5.1.3.1	Type	Normal	Normal, Delay, A24H, S24H, Internal, Perimeter, Emergency, Fire, Gas, Medical, B24H, Doorbell, Locker
2.5.1.3.2	Enable (alarm)	Y	If set to forbidden, the zone will be closed without alarm
2.2.1.3.3	CID Code	140	
2.5.1.4	Delete		
2.6	**Bus scanner**		
2.6.1	Search device (Search bus device)		Each time the bus device is added or subtracted, the bus device must be searched again. After the bus device is connected to the system, you need to run the search device.
3	**Setting**		
3.1	**Date & Time**		Display the current time of the system
3.1.1	Net-Sync (network synchronization)	N	Valid when using GSM, GPRS or TCP/IP module
3.1.2	Time Set		Modify the time of the alarm control panel
3.1.3	Date Set		Modify the date of the alarm control panel
3.2	**Configure** (configuration parameters)		
3.2.1	Delaying Set		Parameters about time are in this menu
3.2.1.1	Alarm Time	300	Alarm sounding time when alarm control panel alarms
3.2.1.2	Exit Delay	60	When the alarm control panel is armed, the delay time of the delay zone, which is convenient for the user to exit after arming by keypad.
3.2.1.3	Enter Delay	60	After the user enters the protection area, the user needs to disarm the system within the delay time, or the alarm control panel will alarm.

3.2.1.4	Drive Time	30	
3.2.1.5	Active Time	5	linkage output time
3.2.1.6	RF-Detect	1440	
3.2.2	Alarm Set		
3.2.2.1	System (system alarm)	65535	The maximum number of system alarms during one arming and disarming period
3.2.2.2	Report (report center)	65535	The maximum number of times the alarm control panel can report the center during one arming and disarming period
3.2.2.3	zone (zone alarm)	0	The maximum number of alarms for a zone during one arming and disarming period, 0 means unlimited
3.2.3	Timed Arm		
3.2.3.1	New (new timed period 1-5)		For example: 18:30-07:30 Means: The alarm control panel automatically enters the armed state from 18:30 and ends at 07:30 the next day.
3.2.3.1.1	WEEK (Monday-Sunday)		Which day(s) is(are) effective from Monday to Sunday
3.2.3.1.2	TYPE	Arm	Arm, StayIn, Perimeter, Disarm
3.2.3.1.3	STAT	Enable	Is this time period enabled
3.2.3.1.4	Return		
3.2.3.1.5	Delete		Delete this time period
3.2.4	Tel-Ports (telephone ports)		
3.2.4.1	PSTN Line		Can query whether the telephone line is normal
3.2.4.2	GSM Module		
3.2.4.2.1	Module Info (module information)		Can query the module manufacturer and type
3.2.4.2.2	Network (network status)		Can query the current GSM signal strength, it is recommended to adjust the antenna to a position where the signal is greater than 65%
3.2.4.2.3	SMS center		Can query the current SMS center
3.2.4.3	Line (priority line)	PSTN	When alarms, PSTN landing telephones are used or GSM data terminals is used to transmit alarm signal as priority line.
3.2.4.4	Rings	8	When dial the phone associated to the alarm control panel, if the phone rang 8 times, the alarm control panel will switch on automatically and enter the phone remote control mode
3.2.4.5	Volum (telephone volume)	100	the voice volume of speaker
3.2.5	Net-Ports (network link)		
3.2.5.1	MODEL	TCP	1, TCP mode 2, TCP-S mode

3.2.5.2	Timeout	300	The alarm control panel judges it is dropped if exceeding the setting time
3.2.5.3	Service (Service configuration)		The service terminal generally refers to a computer that installs management software
3.2.5.3.1	AType (address type)	IP	1, IP: IP address 2. Name: domain name Press the "return" key once to enter the nine-key input mode (the same as the original function on the mobile phone), and the cursor will change.
3.2.5.3.2	Port	9000	
3.2.5.3.3	UID	0	user account
3.2.5.4	Ether Net (network parameters)		The alarm control panel network parameters
3.2.5.4.1	IP		192.168.1.150
3.2.5.4.2	Mask		255.255.255.0
3.2.5.4.3	GW (gateway)		192.168.0.1
3.2.5.4.4	DNS1		192.168.0.1
3.2.5.4.5	DNS2		8.8.8.8
3.2.5.4.6	Local Port		8088
3.2.5.5	GPRS Link		
3.2.5.5.1	Use GPRS	Y	If choose "Y", connect to the server via GPRS
3.2.5.5.2	APN	AUTO	AUTO, CMNET, UNINET, 3GNET, Manual
3.2.5.5.3	GPRS Status		1, Whether GPRS is connected 2, signal strength
3.2.5.6	Net Status		Whether GPRS, Ether is connected
3.2.6	More Configure		
3.2.6.1	Zone Force	Y	"Y", When a problematic zone is detected during arming, voice prompts a failure. When the problem zone is restored, it is in the armed state. "N", When a problematic zone is detected during arming, it is directly bypassed. Even if the zone is back to normal, it is in bypass state.
3.2.6.2	Delay Strict (delay alarm)	Y	"N", After the delay time expires for the time delay zone, if the zone returns to normal, then the alarm control panel will not alarm; used in fire station, nursing homes and other special occasions.
3.2.6.3	Auto Reboot	N	Whether the panel is automatically maintained
6.2.6.4	Abnormal recovery display	N	When battery recovery, AC power recovery, defense zone recovery, and equipment disconnection recovery, whether they are displayed on the keypad in real time
3.3	**Alarm Center**		

3.3.1	Params Set (parameters set)		
3.3.1.1	Operations		
3.3.1.1.1	Arm	Y	Whether the arming information is uploaded to the alarm center
3.3.1.1.2	Disarm	Y	Whether the disarming information is uploaded to the alarm center
3.3.1.1.3	Bypass (zone bypass)	N	Whether the zone bypass information is uploaded to the alarm center
3.3.1.1.4	Config (configuration & modification)	N	Whether the configuration & modification information is uploaded to the alarm center
3.3.1.1.5	Reset	N	Whether the reset information is uploaded to the alarm center
3.3.1.2	Alarm		
3.3.1.2.1	Zone (zone alarm)	Y	Whether the zone alarm information is uploaded to the alarm center
3.3.1.2.2	Restore (zone restoration)	N	Whether the zone restoration information is uploaded to the alarm center
3.3.1.3	Abnormal		
3.3.1.3.1	AC-Off	Y	Whether AC power failure is uploaded to the alarm center
3.3.1.3.2	Bat-Leak (battery under voltage)	Y	Whether the battery under voltage is uploaded to the alarm center
3.3.1.3.3	Zone Fault	Y	
3.3.1.4	Testing		
3.3.1.4.1	Enabled	N	Allow the alarm control panel to send test information to the alarm center automatically
3.3.1.4.2	Period	daily	daily, weekly
3.3.1.4.3	Time		Start uploading the time of center test
3.3.1.4.3	Test Now		Used for testing whether center communication is normal after installation
3.3.1.5	Errors (other options)		
3.3.1.5.1	Retries (retry times)	5	The maximum times for uploading a single message, if it is set to 5 times, then it cannot be uploaded to the alarm center in 5 times, the information will not be uploaded again.
3.3.1.5.2	Fail-Alarm	N	Whether the speaker sounds after the uploading alarm center fails
3.3.1.5.3	Force Backup	N	Whether the backup alarm center is forced to upload, if yes, after uploading to the alarm center 1, it will also upload to the alarm center 2.
3.3.1.5.4	Use PSTN	Y	Use telephone line to force backups
3.3.1.5.5	Use GSMT	Y	Use GSM card to force backup

3.3.1.5.6	CID		Advanced parameter settings, please contact the Athenalarm's technician
3.3.2	New Center 1 New Center 2		Alarm Center Telephone Number
3.3.2.1	Input center NO.		The account assigned to the alarm control panel by the alarm center
3.3.2.1.1	Modify		
3.3.2.1.2	Delete		
3.3.2.1.3	ACCT	0000	
3.3.2.1.4	PSTN CID Timing		
3.3.2.1.5	GSMT CID Timing		
3.3.3	Arm Line		Alarm Center telephone Number for arming
3.3.4	Disarm Line		Alarm Center telephone Number for disarming
3.4	**User Report**		
3.4.1	New(1…4)		Dial the user's phone number when the alarm control panel alarms. It can be either a landing line or a mobile phone number.
3.4.1.1	Modify		
3.4.1.2	Delete		
3.4.1.3	Voice Report Set (Phone notification settings)		
3.4.1.3.1	Enabled	Y	
3.4.1.3.2	Alarm	Y	Whether to notify the user by phone when alarm control panel alarms
3.4.1.3.3	Abnormal	N	Whether to notify the user by phone when it is abnormal
3.4.1.3.4	F-Retry (fever retry)	N	Whether to dial the user's phone till processing
3.4.1.4	SMS Report Set		
3.4.1.4.1	Enabled	Y	
3.4.1.4.2	Alarm	Y	Whether to send a SMS to notify the user when alarm control panel alarms
3.4.1.4.3	Abnormal	Y	Whether to send a SMS to notify the user when it is abnormal
3.4.1.4.4	Bypass	N	Whether to send a SMS to notify the user when the zone bypass
3.4.1.4.5	Arm	N	Whether to send a SMS to notify the user when arming
3.4.1.4.6	Disarm	N	Whether to send a SMS to notify the user when disarming
3.4.1.4.7	Config (modify configuration)	N	Whether to send a SMS to notify the user when modifying configuration
3.4.1.4.8	Reset	N	Whether to send a SMS to notify the user when turning on the alarm control panel

3.5	**Password**		*** indicates that a password has been set**
3.5.1	Super user*	888888	Programming password, can be modified
3.5.2	Main user*	123456	Main user password, can modify the main user and user password
3.5.3	User (2-11)		Can modify their own user password
4	Support		
4.1	Log Viwer (log viewer)		
4.1.1	Alarm Log		Alarm information record
4.1.2	System Log		System startup, report center failure and other event records
4.1.3	Kernel Log		Only for the Athenalarm's technician
4.2	Maintenance		
4.2.1	Panel Reboot		Reboot the alarm control panel
4.2.2	Factory Reset		Restore alarm control panel to the original factory settings
4.2.3	Panel Testing		Test whether the alarm control panel hardware is a fault (for Athenalarm's technician)

IV Frequently Asked Questions

1, The alarm control panel just power on, there are "PSTN Line Cut, NO Battery" and other alarm information

It indicates the alarm control panel is not connected (or wrong wiring) to the telephone line, battery. If telephone line, battery are unnecessary, you can turn off the alarm of the corresponding item in "Device/Panel Setting/Abnormal Set".

2, The alarm control panel broadcasts voice prompt "XX zone failure"

(1), The alarm control panel supports a variety of resistors, a variety of connections, such as having used of 3.3K resistors, should select the appropriate 3.3k resistor in the system “Device/Panel setting/More Setting/WTRES”.

(2), Please watch the diagram on the inside cover of the shell. If the sensor is connected by normally open or normally closed, the resistors must be connected in parallel or in series.

(3), The alarm control panel prompt the zone is faulty when arming, and when the zone returns to normal, it alarm if it is triggered. This indicates that the zone is in a state of forced arming. If the faults of this zone occur frequently, it is recommended that you select “N” in the system “Setting/Configure/More Configure/Zone Force”. If the zone is faulty when arming, the alarm control panel will automatically bypass the zone.

3, The alarm control panel broadcasts voice prompt "XX equipment failure"

It indicates that the related device connected to the bus interface (keypad interface) cannot be found, such as a keypad or a single-zone address module. Therefore, the item “Device/Bus Scanner” must be run after installation.

4, Can not log in using super user password

The super user password is not allowed to log in the state of arming for security, therefore, the super user password must be used to log in when disarming.

5, The disarming operation is unsuccessful

(1), If the keypad do not be used for a while, it will dim. At this time, press any key will make the keypad bright. After pressed the key of disarm, the alarm control panel prompts to enter the password, then enter the password and press Enter to complete the system disarm.

(2), In the case of an alarm, it cannot be disarmed. At this time, the alarm control panel will display alarm information as a priority choice, the safest operation should be to see the display of the alarm information, press the cancel button for a while, the alarm control panel prompts entering the password, enter the user password 123456 + enter button to eliminate the alarm, the alarm control panel is still in the arming state. After the alarm is released, operate according to the method above to disarm.

6, Restore alarm control panel to the factory value

(1), In the system "Support/Maintenance/Factory Reset" to restore the factory value.

(2), The hardware restores the factory value. In case of power failure, press the S1 switch on the alarm control panel, then power on and hold the S1 switch for 25 seconds, at last release the S1 switch.

7, How to deal with the alarm control panel calls

When the call from the alarm control panel is picked up, be sure to press the key “1” according to the voice prompt. Otherwise, the alarm control panel judge that the alarm information is not notified to the user, and it will dial again.

8, Where does the zone 399 come from

(1), The address modules have a same code (two or more modules are dialed the same code).

(2), There is an address module that the code is not dialed.

You can find this address module based on the serial number of the zone 399.

9, The keypad always displays "connect Panel..."

The keypad interface circuit is short-circuited. Disconnect the bus wire on the bus interface to check if the bus wire is short-circuited.

10, Keypad warning light has been light?

(1), The alarm control panel has alarm information.

(2), 24 hours zone is not back to normal, such as the panic button was pressed.