SECURITY ALARM SYSTEM

Q16- ADEMCO

USER INSTRUCTION

Please read it carefully before installation and operation

FUNCTION SETTING

Introduction: This system is wireless and wired alarm system, compatible 4+2 and CONTACT ID of Ademco protocol. It have a function that the neighbor's alarm system will dial for alarm instead when the phone line been cut down. The arm/disarm function can be notice to the alarm center freely by the CID phone display etc.

Instructions(Note: any function's settings are based on that the Alarm control panel is in a disarmed condition, otherwise, no effective results)

1、 Recorder Personal Message
- Press the recorder button one time and release it immediately.
- Input password four numbers (Original password: 1234)
- Press the recorder button again, there are two red LED flashing which is to indicate you can start to recorder your personal message right now within the effective distance, 20 CM away from the Alarm control panel. The recorder time is 10 seconds.
- When finished recording or recording over time, the Alarm control panel will send out a long sound to show you are correct in this operation.
- Note: The personal message should be precise and brief:.

For example: This is xxx home, xxx district, No. xxx , The house is illegally intruded, please assist to handle urgently.

2、 Set Alarm Telephone Numbers

In total you can set 8 phone No. in this model, the first group and the second group alarm telephone number is set for contact with the alarm center., the third group alarm to the sixth group telephone number is set for manual telephone. If the alarm center haven't receive the alarm info, the Alarm control panel will auto-dial the first two alarm telephone numbers consecutively 5 times and then dial the third phone numbe.

-Press the set button on the Alarm control panel, there is a red LED flashing to show you can start to operate right now.
- Input "1+*+(telephone number)"
- Press set button to confirm the alarm telephone number.

For example: the alarm telephone number is: 8888888, the setting route is: "set +1+*+8888888+set"; when finished this, the Alarm control panel will send out a long and short sound "B" to show your operation is correct.

In the operation, " 1* " is mean the first group alarm telephone number. And the setting route for second group alarm telephone number is:

"set+2+*+(telephone number)+set ".Repeat the above operation to finish setting the 6 groups alarm telephone numbers. The Alarm control panel will auto-dial the alarm telephone numbers consecutively according to this order when alarm.

If users use an extension to connect the alarm control panel and users should add one number before dial out. For example, the one number is "9". And the alarm telephone number is "8888888", the setting route is :

"set+1+*+9+*+8888888+set". If the extra number is "0", then the setting route is ""set+1+*+0+*+8888888+set"

3、 Change the Password
-Press the set button on the Alarm control panel, there is a red LED flashing to show you can start to operate right now.
- Input "0+*+(four numbers)"
- Repeat to input the "four numbers"
- Press " set" button to confirm.

For example: the password is: 1234. " Set+7+*+1234+1234+set"

4、 Set the anti-cut function On/Off

Anti-cut function On: Operation on the main panel, input "Program+2+*+0+ program"

Anti-cut function Off: Operation on the main panel, input "Program +2+*+1+ program"

This function have to be active if need a neighbour instead alarm function

5、 Set keypad Tone On/Off

Keypad tone on: "Program+3+*+1+Program"

Keypad tone off: "Program+3+*+0+Program

6、 Protect Password Function

This function is used to protect the password when users use the Keypad of the Alarm control panel to Arm/disarm the Alarm control panel .

Cancel this function: "Program+4+*+0+Program"

Operate this function: "Program+4+*+1+Program"

7、 Extend the Time of Arm

Users can extend the time of Arm when users don't need to arm at once when press the "Arm" Button. The extend time range is from 0~99 seconds.

Route: "Program+5+*+ (numbers)+Program"

Example: Users need to Arm in 5 seconds when press the "Arm" button.

"Program+5+*+ 05+Program"

8、 Extend the Time of alarm

Users can extend the time of Arm when users don't need to arm at once when press the "Arm" Button. The extend time range is from 0~99 seconds.

Route: "Program+8+*+ (numbers)+Program"

Example: Users need to Arm in 5 seconds when press the "Arm" button.

"Program+8+*+ 05+Program"

9、 Sounded Time for Siren when alarm

Users can set the sounded time for the siren when alarm.

"Program+6+*+ (time)+Program"

For e.g.: set the sounded time 1 minute for the Siren when alarm;

"Program+6+*+ 01+Program". You can set the time form 0-30 Minute,when the setting is more than 30 minutem the siren will ring until disarm, Set the time "00" is mute alarm.

10、 Remote control the Ringing times of the Telephone

Users can limit the ringing times of the telephone connected to the Alarm control panel. This is used for remote operation to the Alarm control panel.

"Program+7+*+ (numbers)+Program"

Note: set number "0", users can't dial the telephone number which is connect with the Alarm control panel.

11、 Learning the Remote controller & Detectors

In order to receive the signal from the Remote controller and detectors, all Alarm control panel should to learning ID code from Remote controller and detectors. Route: "Program+9+*+ (password)+11+(Zone No.)+Program"

At the same time, the led light on the main panel will flowing flash. Trigger the remote control or other accessories, the alarm control panel will send out a shot and a long

sound of "B", The zone number of remote control must be 01,other accessories can be learn to any defense zone.

12、 Cancel Detectors

Cancel detectors ID code:

"Program+9+*+ (password)+20+Program" All the accessories will been cancel by this route, if want to resurrection, please relearn the code.

13、 Cancel Remote controller

Cancel Remote controller ID code:

"Program+9+*+ (password)+10+Program" All the remote control will been cancel by this route, if want to resurrection, please relearn the code.

14、 Separate Arm/Disarm for each separate zone

Route: "Program+9+*+ (password)+90+(Zone No.)+(0 or 1)+Program". 0 means this zone will not alarm when it's Arm, namely bypass. 1 means the alarm function is on, bypass restored.

15、 Set the the special phone No. for the arm notice

Route: "set +7+*+Phone number+set". the alarm control panel will send out a shot and a long sound of "B" to show users' operation is correct.

16、 Set the the special phone No. for the disarm notice

Route: "set +8+*+Phone number+set". the alarm control panel will send out a shot and a long sound of "B" to show users' operation is correct.

17、 The Arm/Disarm Notice Function On/Off

Route: "Program+0+*+10+(0 or 1)+Program" . the alarm control panel will send out a shot and a long sound of "B" to show users' operation is correct. 0 means close, 1 means allow.

18、 The Arm/Disarm Phone Display Notice Function On/Off

Route: "Program+0+*+16+(0 or 1)+Program" . the alarm control panel will send out a shot and a long sound of "B" to show users' operation is correct. 0 means close, 1 means allow.

19、 Set ID code

Route: "Set+9+*+ID code (4 No.)+ Neighbor's ID code (4 No.) + Set" . the

alarm control panel will send out a shot and a long sound of "B" to show users' operation is correct.

20、 The Neighbor alarm instead function On/Off

Route: "Program+0+*+17+(0 or 1)+Program". the alarm control panel will send out a shot and a long sound of "B" to show users' operation is correct. 0 means close,1 means allow. When the phone line been cut illegally, It will send the alarm message to the alarm center through neighbor, of course, it must to set a correct neighbor's ID and the Neighbor alarm instead function is on.

21、 The Times for dial again when communicate the alarm center failed

Route: "Program+0+*+07+？ ？ +Program" , the alarm control panel will send out a shot and a long sound of "B" to show users' operation is correct. The ?? means the times , For five times, you have to input 05.

22、 The Times for try to dial the manual telephone of alarm center

Route: "Program+0+*+11+？ ？ +Program", the alarm control panel will send out a shot and a long sound of "B" to show users' operation is correct. The ?? means the times , For five times, you have to input 05.The maximum times is 30 .

23、 When the communication failed, Set the interval to dial again

Route: "Program+0+*+8+？ ？ +Program", the alarm control panel will send out a shot and a long sound of "B" to show users' operation is correct. The ?? means the minutes , For 10 minutes, you have to input 10.The maximum is 30 minutes.

24、 How to setting the quantity of Ademoco alarm phones

Route: "Program+0+*+9+？ ？ +Program", the alarm control panel will send out a shot and a long sound of "B" to show users' operation is correct. The ?? means the quantity , For set 3 Ademoco alarm phones, you have to input 03. The maximum is 5.

25、 Setting the Ademco Parameters
Please refer to the (Q16-ADEMCO COMMANDS)

When the key of ABCDEF is concerned please input the following respectively instead（0=A,*=B,#=C, arm=D, disarm =E, emergency/panic =F）。

21-28 is the code of bypass / bypass recovery detectors. Command format: Program+0+*+2N+XX+YY+ZZ+Program. N is the code of defense zone. XX is the code of alarm. YY is the code of bypass. ZZ is the code of bypass recovery. Every zone can be armed or disarmed separately (The data of disarm separately will not memory after a power cut), so different zones have different code. For example: if the door sensor is in the 3rd zone. If its code of alarm is 53，code of bypass is 62，and code of bypass recovery is 89，please input Program+0+*+23+53+62+89+Program, A long and short beep means the operation is successful.

Protocol of communication about the alarm phone : When alarm the system will first auto-dial the two alarm telephones (telephone of alarm monitoring center, according to the set of Item 24) you pre-set. When one call is answered by the alarm monitoring center, the alarm call will be passed to manual telephone otherwise the system will dial the 2 pre-set alarm telephone regularly until it reaches the times which set by Item 21, the alarm call will be passed to manual telephone. When somebody answer the phone, he can hear the record and can do the operation as Item 30. You must remember to press # to end the operate, otherwise it will continue to dial the next telephone numbers pre-seted. If the system dial the manual telephone reached the times pre-set in Item 22, and no one answer the phone, the system will exit the operation. If the communication to the alarm center failed, the system will resend the alarm data to the alarm center after several minutes which set by Item 23. According to the Item 24, you can set more alarm phones for many users, If that the probability of success to connect with alarm center will be high.

26、 Original state of system parameter：

Telephone line anti-cut function on; keypad tone on ;sounded alarm; Time of siren hooting is 2 minutes;Call in telephone ring times is 6; The time for extend the arm is 0 seconds; The time for alarm extend the alarm is 20 seconds; No alarm telephone numbers; ID code for network is FFFF: 30 times to call manual telephone.

TECHNICAL SPECIFICATIONS

1. the time of record/ play $\leq$ 10S
2. Dual audio phone dial standard frequency : Low frequency group: 697, 770, 852, 941Hz ; High frequency group: 1209, 1336, 1477, 1633Hz ; Offset frequency: $\leq$ 1.5%
3. Voltage   Low frequency group: 9dbm, 3dbm ; High frequency group:701dbm, 3dbm
4. Arm/alarm time delay: 0~99S Option
5. Siren hooting time: 1~30minutes Option, If set it long than 30 minutes, it will continue hooing.
6. Environment adaptability : Temperature -10℃ ~ +45℃ ; Relative humidity $\leq$ 90%
7. Alarm control panel static current : < 50mA
8. Alarm control panel alarm current : < 50mA
9. Power : 9V, 300mA

RESOLVE SIMPLE PROBLEMS

Trouble	Cause	Resolve
Alarm unavailable	1,unarm 2,Maybe you didn't set the tel . Numbers 3,Install wrong, distance too long 4,Code unmatch	1,Arm again 2,Set again according to the manual 3,Adjust the position of the part 4,Match the code again
System set unavailable & arm/disarm	1,Check if the system is disarm when operate 2,The operate command is error 3,The password protecte function in on	1, Disarm the system 2,Set according to the manual
No record reminded	Maybe you didn't record	Record again per the manual
Remote controller doesn't work	1,ower is not enough 2,Battery shrapnel connects badly or rust 3,It doesn't match with the control panel	1, code again 2,Change the same type battery 3,clean shrapnel's rust 4,Change remote controller with the dealer
Infrared detector doesn't work	Power is not enough	Change the same type battery
The distance gets shorter fromControl panel to infrared detector,door gap detector and remote controller	1,Maybe there is another remitter is working 2,The receiving part of the control panel exists problems 3,Check if the power wire is OK	1,Find the interfere point and debar it. 2,Post to factory to repair 3, Change into the same type battery. 4,Check if the control panel power inserts well
Record volume is too low	1,It is too far from the control panel when record 2,Control panel power is not enough	1,Closer to the control panel when record
Siren is mute	1, Jack insert of the siren is short circuit or off 2,Connection is bad between Insert and jack 3,Insert wire is off 4, The siren is shut	1,Repair or change jack ,insert 2,Change jack wire 3,Set into alarm state by telephone

Q16-ADEMCO COMMAND

Setup1*telephone numbers+setup   Setup of the first telephone numbers

Setup2* telephone numbers +setup   Setup of the second telephone numbers
⋮   ⋮
Setup6* telephone numbers +setup   Setup of the eighth telephone number

Setup7* telephone numbers +setup   Setup of the arm notice telephone number

Setup8* telephone numbers +setup   Setup of the disarm notice telephone number

Setup8*（4 No. ID Code) +(4 No. Neighbour's ID)+setup   Host ID and Neighbour's ID setup

Setup0* New password +Repeat new password +setup   Reset the password

Program 2* (1/0) Program   Anti-cut alarm function on (default) /off

Program 3* (1/0) Program   Siren Tones on (default) /off

Program 4* (1/0) Program   Disarm password protection function on (default) /off

Program 5*(Two No.)Program   Delay arm time(0~99S)---- 0(default)

Program 8*(Two No.)Program   Delay alarm time(0~99S)---- 0(default)

Program 6*(Two No.)Program   Siren hooting duration(0~30Minute)----2(default)

Program 7*(One No.)Program   Telephone ring times(0-9 times)----6(default)

Program 9*password +11+ Two Zone No. +Program   Learn wireless signal

---

sound of "B" to show users' operation is correct. If the operation is wrong, you can hear several

Program 9*password +10 + Program   Delete the remote

Program 9*password +20+ Program   Delete all the accessories

Program 9*password +90+ Zone No. + (0 /1) + Program   Certain zone disarm, Set Zone No. equal 17 means all the zones,0 =bypass, 1=recovery

Clear-off +password +password Clear-off   Restore of alarm host

Record +password +record   Record. Press any key to exit

Program 0*01? ? Program   Postpone to inform of arm/disarm--15S (default)

Program 0*07? ? Program   Time to dial again when telecom fails

Program 0*08? ? Program   Interval to dial again when communicate fails

Program 0*10 (0/1) Program   Allow/forbid arm/disarm notice function--1Allow

Program 0*16 (0/1) Program   Allow/forbid arm/disarm phone display notice function-1Allow

Program 0*17 (0/1) Program   Allow/forbid Neighbor alarm instead function----1Allow

*******The ordinary user please don't set the following commands *******
Program 0*02? ? Program   Code of arm
Program 0*03? ? Program   Code of disarm
Program 0*04? ? Program   Code of emergency
Program 0*05? ? Program   Code of bypass

Program 0*06？ ？ Program	Code of recovery
Program 0*09？ ？ Program	Quantity of Ademco alarm calls
Program 0*11？ ？ Program	Times to call manual alarm phone ----Max.30
Program 0*12 + (0/1)+ Program	4+2 format (0) / CONTACT ID format(1)
Program 0*13？ ？ Program	Bypass datum code
Program 0*14？ ？ Program	Recovery datum code
Program 0*15？ ？ Program	Alarm datum code
Program 0*21？ ？ ？ ？ ？ Program	Code to recovery the 1st zone alarm bypass---
Program 0*28？ ？ ？ ？ ？ Program	Code to recovery the 8th zone alarm bypass