

## WIRED SERIES USER MENU

**KTS-04W**

**S07W**

**S12W**

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**HEAD QUARTER :**

**Address** : No.25 Baoyuan Road Dongqian Lake Industry Area ,Dongqian Town Ningbo City / CHINA  
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## TABLE OF CONTENTS

PART1: SET/REVISE/DELETE USER'S CODES-----	3
1.1 SET/REVISE USER'S CODES-----	3
1.2 DELETED THE USER CODES -----	3
PART2: KEYPAD FUNCTION AND ARM/DISARM OPERATIONS-----	3
2.1 REGULAR ARMING-----	3
2.2 FORCE / AWAY ARMING-----	4
2.3 STAY ARMING-----	4
2.4 DISARMING-----	5
2.5 ALARMING RECORDS-----	5
2.6 DISTINCT SYSTEM ARMING / DISARMING-----	5
2.7 MANUAL BYPASS ZONE-----	6
2.8 DOOR ZONES-----	7
2.9 TROUBLE DISPLAY-----	7
PART3: FUNCTIONS LISTS-----	8
3.1 HEX PROGRAMMING OR STREAMLINE PROGRAMMING-----	8
3.2 DECIMAL PROGRAMMING-----	14
3.3 FUNCTION LISTS (FUNCTION PROGRAMMING) -----	15
3.4 FUNCTION LIST (ONE-KEY PROGRAMMING) -----	17

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## PART1: SET/REVISE/DELETE USER'S CODES

### 1. 1 SET/REVISE USER'S CODES

Press [SET] + [master's code] + [section] + [6-digit new code] + [SET] + [BACK]

section:

[00] : user 00=master's code (404040 by default)

[01] ~ [47] : user 01 ~ user 47

[48] : user 48 (use to set duress code)

### 1. 2 DETELTE THE USER CODES

Press [SET] + [master's code] + [section]+ + [SET]

section:

[00] : master

[01] ~ [47] : user 01 ~ user 47

[48] : user 48

Annotation: [10] = 0; code is 6-digit by default; key light on without

*Annotation: (1) if user 1#~48# don't set their codes, and master's code don't to revise, then all operations will be used through master's code.*

*(2) cannot to program at the state of arming.*

## PART2: KEYPAD FUNCTION AND ARM/DISARM OPERATIONS

Keypad with the advanced function, the key [1] to [12] with LED indicates zone 1-10. the protected zones are normal when the key's LED off, if key's LED on, indicates the zone opens.

The light of [READY] on, if all zones normal (zone close), that means all windows and doors close and detectors do not detect any movement (except for bypassed zones).

Confirmation sound: fast "B-B-B", indicate the normal inputting or working.

Refusing sound: long "B--", indicate the wrong inputting or working.

### 2.1 REGULAR ARMING

Method: input the valid user's code directly.

Confirmation sound: fast "B-B-B", indicate the normal inputting or working.

Refusing sound: long "B--", indicate the wrong inputting or working.

In most time will use this method to arm, and this method can make all zones arming; if LED [READY] on, indicate all zones closed, and permit you to input user code for arming; if LED [READY] off, indicate some of zones opened, and the relative key's light on, then cannot perform regular arming.

Keypad will 'BBB' for confirmation if the user's code is valid, LED [ARMED] on and LED [READY] flash, which indicate system is setting the arming state; there is "exit delay" during setting the arming, if the keypad sound is valid during exit delay (address: 088; press key [12] for setting), and will has the sound from buzzer, LED [READY] on and the frequency of buzzer sound increases during the last 10 seconds; if the keypad sound is invalid during exit delay, there will no buzzer sound during exit delay, but will have

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buzzer sound after exit delay. If LED [READY] off, LED [ARMED] on, indicate the system armed, and the triggered zone will alarm.

If key [TBD] on, indicates the system have tempers;

If key [VAM] on, indicates the system have alarming records.

### 2.1.1 “one key” Regular arming by

Method: press key [10] for 2 seconds.

System should program as one key arming enabled if you want to use this function (address: 088, key [7], programming can refer to the installation menu). When [READY] on, press key [10] for 2 seconds, then all zones armed, users don't need to input the codes to arm, but also need the valid code to disarm.

### 2. 1. 2 Arm/Disarm via remote

Panel need to program: address 086, press [2],[3] and make them to light

[2]	[3]	performance
off	off	inefficacy
on	off	inefficacy
off	on	armed all
on	on	stay arm

### 2.2 FORCE / AWAY ARMING

To rapidly arm the system without having to wait for the LED “READY” indicator ( some of the zones cannot close temporary and make LED [READY] cannot on), can use the method of following:

Press [AWAY] + input valid user's code

The opened zones will be activated but without generating an alarm after the exit delay time elapse. If these open zones be closed after the system armed, panel will active these zones and with generating an alarm.

Annotation: the master's code can use to do force arming without given “force” arming priority. But the user 1#-48# must have “force” arming priority to use this function (if the system without partitions, the addresses 068-072 can be chose to program as force arming, details please refer to installation menu).

### 2.3 STAY ARMING

Method: press key [STAY] + user's code

This method can make part of system armed, and permit user to move in the protected area without generating an alarm.

Stay arming is different with regular arming, stay arming is enabled when green [READY] off, but need the stay zones like windows and doors closed (if a detector belong to stay zone, stay arming also should make the detector no moving).

If the input code incorrect or a stay zone opens, keypad will have the rejection sound; and will the correct confirmation sound after inputting the correct code. During the exit delay time, LED [STAY] and “ARMED” on, LED [READY] flash; the frequency of sound increased during last 10 seconds; After exit delay, keypad will “BBB” confirmation, LED [READY] off, LED [STAY] and “armed” on.

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Annotation: (1) The master's code can use to do stay arming without given "stay" arming priority. But the user 1#-48# must have "stay" arming priority to use this function (if the system without partitions, the addresses 062-066 can be chose to program as force arming, details please refer to installation menu).

(2) When a stay zone opens, will generate an alarm, and another zones disarmed; fire zone should be programmed as stay zone.

### **2.3.1 "One-key" stay arming**

Method: express key [STAY] for 2 seconds

If you want to use this way to arm, should program "one-key stay arming/ system A" enable (use key [8] to set this function at the address [088]; for details please refer to the installation menu), when all stay zones closed, press key [STAY] for 2 seconds, can arm the stay zones.

### **2.3.2 "One-key" double stay arming**

Method: press key [STAY] for 2 seconds

If you want to use this way to arm, should program "one-key stay arming/ system A" enable (use key [8] to set this function at the address [088]; for details please refer to the installation menu), during stay arming exit delay time, press key [STAY] for 2 seconds until have the "B" confirmation, at that time "entry delay zone" change to "instant zone". If the entry delay zone has inbreak, that zone will be triggered at once without waiting some delay time, which we calls double stay zone mode.

### **2.3.4 Express exit**

Express exit is enabled after stay arming enabled, the system will still armed exit from the stay arming enabled zone.

After stay arming (exit delay time elapse), press key [STAY] for 2 seconds and release until have "BBBB" confirmation sound, system will come back to "exit delay" mode, and LED [READY] on, make user have time to exit, system will come back to stay arming mode after exit delay time elapse.

## **2.4 DISARMING**

Method: input the valid user's code

User should set the protected area from the pointed exit, keypad will have "B" sound (have the intermittent sound, but no alarming) to mention user to disarm during the entry delay time, if input the valid code, the LED "ARMED" off and keypad has "BBB" confirmation sound, which indicate the system disarmed. If input the invalid code, keypad will have rejection sound, press key [BACK] for canceling the incorrect code and then input the correct code again.

if the system armed, when the 24-hour zone or fire zone generate an alarm, input the valid user code will make the alarm silent.

The following phenomena indicate have alarm generating, When LED "ARMED" flash, key [VAM] on, the relative key light on, keypad have some sound, bell/siren sound; input the valid user code can release the alarm. When the relative zone closed, the zone's light will off, the key [VAM] on indicate the system have alarm records.

Arming during the exit delay time, input the valid code can disarm if the user don't want to continue to arm the system.

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## 2.5 ALARMING RECORDS

If generate the alarm after arming, key [VAM] will always on, which indicate have the alarming records. Press [VAM] after disarming, the zone's LED has even generated alarm will on, press key [BACK] for exiting the alarming records display mode. The alarming record will not remove until the system disarmed.

If generate an alarm, bell/siren and keypad all will sound, the bell/siren terminal time can be set (address: 052; please refer to the installation for details), input code can cancel the alarm; alarming will be keep even though the zone closed after generating an alarm.

## 2.6 DISTINCT SYSTEM ARMING / DISARMING

System will be divided as two distinct systems, identified as "system A" and "system B", and they controlled by panel. Partition normally used on the place share one alarm system. Each one can be identified as system A, system B, system AB (the zone be identified as system A and system B stimulation, called double system) or system not belong to any distinct system (public zone).

- ◆ if zone be assigned to system A, it will arm/disarm when the system A armed/disarmed.
- ◆ if zone be assigned to system B, it will arm/disarm when the system B armed/disarmed.
- ◆ if zone be assigned to both systems (dual), it will arm when either system A armed, system B armed, or when both systems be armed; and will disarm only when both systems disarm.
- ◆ if zone not identified to any system (common area), it will arm only when both systems be armed, and only disarm when at least one of two systems disarm.

This feature is different with regular arming, by this way can arm the system when LED [READY] off, only the windows and doors in distinct systems must closed, and the detector does not detect any movement.

- (1) the user without priority in distinct systems, will refused to arm/disarm the distinct system;
- (2) if user has priority in one system, he just can arm/disarm in this system;
- (3) if user has priority in system A and system B, then can have following operations:

- ◆ if system A and system B disarmed, input user code can arm these two systems.
- ◆ if system A and system B armed, input user code can disarm these two systems.
- ◆ if system A and system B armed, input user code can arm another system.
- ◆ if want to arm/disarm each system separately, operate as follow:

Press [STAY] + user code            arm / disarm system A

Press [AWAY] + user code            arm / disarm system B

Keypad will 'B' rejection if the code is incorrect or zone opens; and will "BBB" confirmation if the code is correct. Keypad can display the distinct systems' state:

If system A armed: key [STAY] on, LED "ARMED" on;

If system B armed: key [AWAY] on, LED "ARMED" on;

If system A and system B armed: key [STAY], key [AWAY], LED "ARMED" on.

### 2.6.1 "One-key" arm system A

This feature allow user to arm system A without inputting the user code, but "one-key stay / system A" arming should enable (address: 088; key [8]; please refer to installation menu); method: when all zones in system A closed, press key [STAY] for 2 seconds will arm system A.

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Annotation: (1) system A at the address 062-066; system B at the address 068-072;  
(2) user master code can operate this feature directly without any priority setting.  
(3) if just one system armed, input master's code can arm another system or public zones; if system A and system B all armed, input master's code can make all systems disarmed.

## 2.7 MANUAL BYPASS ZONE

A zone will not be supervised by panel when it bypassed, and will not generate an alarm either. Panel program as following functions can make parts of zones bypassed, but other zones armed.

- ◆ program the zone want to bypass as bypass enabled, otherwise the zone cannot bypass.
- ◆ only the user's code with manual bypass priority can be used to bypass zone by manual (address: 074-078; please refer to the installation menu).
- ◆ panel cannot bypass fire zone.

Method: press [BYP] + user's code

If the code incorrect or the code without priority, keypad will have "B" rejection sound, if inputting code is correct, key [BYP] flash, which indicate set bypass mode, press the key that you want to bypass on, the relative zone bypassed. If a zone not defined as bypass enabled, its relative key will not on regardless of pressing it. Press key [BACK] can cancel bypass operation or exit bypass mode, press key [SET] will save the input bypass programming, key [BYP] on indicate the zone bypassed, when the system arms next time, these bypassed zone will bypass, and bypass will disable when the system disarmed.

Press key [BYP] + user code for setting bypass mode, continue to press key [BYP] + key [SET], the programming about last bypass will be showed, which will avoid programming bypass again before each arming. Press key [BYP] can cancel the new bypass programming and get the last bypass programming.

Annotation: (1) key [BYP] on, indicate have some zone bypassed, press key [BYP] + key [SET] for searching which zones bypassed or which zones bypass be cancelled.

(2) zone cannot bypass when the system armed.

## 2.8 DOOR ZONES

Keypad will generate the express intermittent "beep" when door zone opens, panel can identify maximum 6 zones (the using zones also can be identified) as the door zones.

Method: press the key [1]-[6] for 3 seconds and will generate the intermittent "beep", indicate the zone be identified as door zone, if generate the continuous "beep", indicate the door zone feature be channelled. Press key [8] for 3 seconds for identifying the keypad zone as door zone; press key [9] for 3 seconds and generate the intermittent "beep", will make the keypad silent. If there are more than one keypads in the system, should program each keypad separately. Door zone should re-programmed after the sudden power-cut.

Key [1]-[6]: press these keys to program 1-6 zone open or close for identifying these zones as door zone enable or disable.

Key [8]: press this key to program keypad zone open or close for identifying keypad zone as door zone enables or disable.

Key [9]: program keypad audible or silent by setting this key open or close.

Annotation: Don't need to arming the system when using door zone feature.

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## 2.9 TROUBLE DISPLAY

Panel can supervise and display 10 tampers simultaneity. Key [TBD] on indicate occur the troubles, and keypad will have intermittent ‘beep’ (audit for troubles enabled), then press key [TBD] for setting troubles display mode, at that time key [TBD] on and the relative trouble keys on as well. Press any one key can exit trouble display mode.

[1]light on, no battery connection or the battery’s voltage is too low.

Solution: contact the battery onto the panel in correctly.

[2]light on, AC tamper. Panel will inspect AC every 60 seconds. If continuous have tamper in first one inspection and in second one inspection (VAC<12.5V), ‘2’will on.

Solution: check if the transformer is normal or not. If transformer’s secondary coil is ok (will contact with panel’s AC terminal),then the voltage should be about 16VAC.

[3]light on, power supply is not so steady.

[4]light on, no bell be contacted.

Solution: contact bell or 1K resistance.

[5]light on, the current of bell is too big.(panel will close automatically when the bell’s current over than 3A)

Solution: check the bell’s load is normal or not, the maximum is to drive 2x30W bell; especially the bell’s output cannot be short circuit.

[6]light on, the current of AUX is too big(cannot over than 1A);

Solution: check if the load is normal or not.

[7]light on, the communication fault between panel and centre.

Solution: check the communication line or program again after restore.

[8]light on, not input the time or system lost the time.

Annotation: the system will lose the time when panel stop the current suddenly, then should input the time again

Press [SET] + [installer’s code] + [VAM] + 4-bit current time (24-hour, the front 2 bits indicate hours, 00-23; the following 2 bits indicate minutes, 00-59) + [SET] + [BACK]

[9]light on, one or some zone in the status of short circuit or the zone’s wire be cut off.

[10]light on, telephone line supervision not available ([10] light on if panel cannot supervise telephone line within 30 seconds).

[11]light on, the wire’s tamper of fire zone.

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## PART3: FUNCTIONS LISTS

### 3. 1 HEX PROGRAMMING OR STREAMLINE PROGRAMMING

Section	Address	Digits	Functions	Remark
00	000	2	Installer's code(the first and second digit)	
	001	2	Installer's code (the third and fourth digit)	
	002	2	Installer's code (the fifth and sixth digit)	
	003			
04	016~019	8	The front eight digits of central 1 telephone	[10]=indicate [0] [11]=indicate *
05	020~023	8	The last eight digits of central 1 telephone	[12]=indicate # [BYP]=choose pulse frequency when dialing
06	024~027	8	The front eight digits of central 2 telephone	[VAM]= cease for 4 seconds
07	028~031	8	The last eight digits of central 2 telephone	[TBD]= indicate the end of digits
08	032~035	8	System account A and B (4 digits or 3 digits be permitted , the first digit must is for 3 digits account)	
	036	2	Blank, will be used in future	
	037	2	The first digit must be blank, the second digit is the revised time	Time revision options: =do not adjust(default) [8]=minus 4seconds [1]=plus 4seconds [9]= minus 8seconds [2]=plus 8seconds [10]= minus 12seconds [3]=plus 12seconds [11]= minus 16seconds [4]=plus 16seconds [12]= minus 20seconds [5]=plus 20seconds [BYP]= minus 24seconds [6]= plus 24seconds [VAM]= minus 28seconds [7]= plus 28seconds [TRBL]= minus 32seconds

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09	038	2	The first digit: Central telephone communication format	1	keys for communication format =ADEMCO slow (1400Hz,1900Hz,10bps) [1]= ( 1400Hz,1800Hz,10bps) [2]=SILENT KNIGHT fast (1400Hz,1900Hz,20bps) [3]=SESCOA (2300Hz,1800Hz,20bps) [4]=RADIONICS (40bps with 1400Hz handshake) [5]=RADIONICS (40bps with 2300Hz handshake) [6]=RADIONICS with PARITY (1400Hz,40bps) [7]= RADIONICS with PARITY (2300Hz,40bps) [8]=*ADEMCO express [9]=*ADEMCO contact ID (programmable codes) [10]=*ADEMCO contact ID (all codes) [TRBL]=*DTMF-no handshake (personal dialing) *= suit for 4-digit system account
	039	2	The first digit for PGM type, the second digit is [DAT]	2	
10	040	2	PGM events		Active PGM events
	041	2	Will be used in future		
	042	2	PGM events		Close PGM events
	043	2	Will be used in future		
11	300				
	301	2	Master's code		Arming code
	302	2	user 1 code		Arming code
	303	2	user 2 code		Arming code
12	304	2	user 3 code		Arming code
	305	2	user 4 code		Arming code
	306	2	user 5 code		Arming code
	307	2	user 6 code		Arming code
13	308	2	user 7 code		Arming code
	309	2	user 8 code		Arming code
	310	2	user 9 code		Arming code
	311	2	user 10 code		Arming code
14	312	2	user 11 code		Arming code
	313	2	user 12 code		Arming code
	314	2	user 13 code		Arming code
	315	2	user 14 code		Arming code
15	316	2	user 15 code		Arming code
	317	2	user 16 code		Arming code
	318	2	user 17 code		Arming code
	319	2	user 18 code		Arming code

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16	320	2	user 19 code	Arming code
	321	2	user 20 code	Arming code
	322	2	user 21 code	Arming code
	323	2	user 22 code	Arming code
17	324	2	user 23 code	Arming code
	325	2	user 24 code	Arming code
	326	2	user 25 code	Arming code
	327	2	user 26 code	Arming code
18	328	2	user 27 code	Arming code
	329	2	user 28 code	Arming code
	330	2	user 29 code	Arming code
	331	2	user 30 code	Arming code
19	332	2	user 31 code	Arming code
	333	2	user 32 code	Arming code
	334	2	user 33 code	Arming code
	335	2	user 34 code	Arming code
20	336	2	user 35 code	Arming code
	337	2	user 36 code	Arming code
	338	2	user 37 code	Arming code
	339	2	user 38 code	Arming code
21	340	2	user 39 code	Arming code
	341	2	user 40 code	Arming code
	342	2	user 41 code	Arming code
	343	2	user 42 code	Arming code
22	344	2	user 43 code	Arming code
	345	2	user 44 code	Arming code
	346	2	user 45 code	Arming code
	347	2	user 46 code	Arming code
23	348	2	user 47 code	Arming code
	349	2	user 48 code	Arming code
	350			
	351	2	Master code	Disarming code
24	352	2	user 1 code	Disarming code
	353	2	user 2 code	Disarming code
	354	2	user 3 code	Disarming code
	355	2	user 4 code	Disarming code
25	356	2	user 5 code	Disarming code
	357	2	user 6 code	Disarming code
	358	2	user 7 code	Disarming code
	359	2	user 8 code	Disarming code

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26	360	2	user 9 code	Disarming code
	361	2	user 10 code	Disarming code
	362	2	user 11 code	Disarming code
	363	2	user 12 code	Disarming code
27	364	2	user 13 code	Disarming code
	365	2	user 14 code	Disarming code
	366	2	user 15 code	Disarming code
	367	2	user 16 code	Disarming code
28	368	2	user 17 code	Disarming code
	369	2	user 18 code	Disarming code
	370	2	user 19 code	Disarming code
	371	2	user 20 code	Disarming code
29	372	2	user 21 code	Disarming code
	373	2	user 22 code	Disarming code
	374	2	user 23 code	Disarming code
	375	2	user 24 code	Disarming code
30	376	2	user 25 code	Disarming code
	377	2	user 26 code	Disarming code
	378	2	user 27 code	Disarming code
	379	2	user 28 code	Disarming code
31	380	2	user 29 code	Disarming code
	381	2	user 30 code	Disarming code
	382	2	user 31 code	Disarming code
	383	2	user 32 code	Disarming code
32	384	2	user 33 code	Disarming code
	385	2	user 34 code	Disarming code
	386	2	user 35 code	Disarming code
	387	2	user 36 code	Disarming code
33	388	2	user 37 code	Disarming code
	389	2	user 38 code	Disarming code
	390	2	user 39 code	Disarming code
	391	2	user 40 code	Disarming code
34	392	2	user 41 code	Disarming code
	393	2	user 42 code	Disarming code
	394	2	user 43 code	Disarming code
	395	2	user 44 code	Disarming code
35	396	2	user 45 code	Disarming code
	397	2	user 46 code	Disarming code
	398	2	user 47 code	Disarming code
	399	2	user 48 code	Disarming code

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36	400	2	Zone 1	Alarm code programming
	401	2	Zone 2	Alarm code programming
	402	2	Zone 3	Alarm code programming
	403	2	Zone 4	Alarm code programming
37	404	2	Zone 5	Alarm code programming
	405	2	Zone 6	Alarm code programming
	406	2	Zone 7	Alarm code programming
	407	2	Zone 8	Alarm code programming
38	408	2	Zone 9	Alarm code programming
	409	2	Zone 10	Alarm code programming
	410	2	Zone 11	Alarm code programming
	411	2	Zone 12	Alarm code programming
39	412	2	Zone 13	Alarm code programming
	413	2	Zone 14	Alarm code programming
	414	2	Zone 15	Alarm code programming
	415	2	Zone 16	Alarm code programming
40	416	2	Zone 17	Alarm code programming
	417	2	Zone 18	Alarm code programming
	418	2	Zone 19	Alarm code programming
	419	2	Zone 20	Alarm code programming
41	420	2	Zone 21	Alarm code programming
	421	2	Zone 22	Alarm code programming
	422	2	Zone 23	Alarm code programming
	423	2	Zone 24	Alarm code programming
42	424	2	Zone 1	Restore code programming
	425	2	Zone 2	Restore code programming
	426	2	Zone 3	Restore code programming
	427	2	Zone 4	Restore code programming
43	428	2	Zone 5	Restore code programming
	429	2	Zone 6	Restore code programming
	430	2	Zone 7	Restore code programming
	431	2	Zone 8	Restore code programming
44	432	2	Zone 9	Restore code programming
	433	2	Zone 10	Restore code programming
	434	2	Zone 11	Restore code programming
	435	2	Zone 12	Restore code programming
45	436	2	Zone 13	Restore code programming
	437	2	Zone 14	Restore code programming
	438	2	Zone 15	Restore code programming
	439	2	Zone 16	Restore code programming

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46	440	2	Zone 17	Restore code programming
	441	2	Zone 18	Restore code programming
	442	2	Zone 19	Restore code programming
	443	2	Zone 20	Restore code programming
47	444	2	Zone 21	Restore code programming
	445	2	Zone 22	Restore code programming
	446	2	Zone 23	Restore code programming
	447	2	Zone 24	Restore code programming
48	448	2	Zone 1	Auto bypass programming
	449	2	Zone 2	Auto bypass programming
	450	2	Zone 3	Auto bypass programming
	451	2	Zone 4	Auto bypass programming
49	452	2	Zone 5	Auto bypass programming
	453	2	Zone 6	Auto bypass programming
	454	2	Zone 7	Auto bypass programming
	455	2	Zone 8	Auto bypass programming
50	456	2	Zone 9	Auto bypass programming
	457	2	Zone 10	Auto bypass programming
	458	2	Zone 11	Auto bypass programming
	459	2	Zone 12	Auto bypass programming
51	460	2	Zone 13	Auto bypass programming
	461	2	Zone 14	Auto bypass programming
	462	2	Zone 15	Auto bypass programming
	463	2	Zone 16	Auto bypass programming
52	464	2	Zone 17	Auto bypass programming
	465	2	Zone 18	Auto bypass programming
	466	2	Zone 19	Auto bypass programming
	467	2	Zone 20	Auto bypass programming
53	468	2	Zone 21	Auto bypass programming
	469	2	Zone 22	Auto bypass programming
	470	2	Zone 23	Auto bypass programming
	471	2	Zone 24	Auto bypass programming
54	472	2	Shutdown zone 1	shutdown code programming
	473	2	Shutdown zone 2	shutdown code programming
	474	2	Shutdown zone 3	shutdown code programming
	475	2	Shutdown zone 4	shutdown code programming
55	476	2	Shutdown zone 5	shutdown code programming
	477	2	Shutdown zone 6	shutdown code programming
	478	2	Shutdown zone 7	shutdown code programming
	479	2	Shutdown zone 8	shutdown code programming

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56	480	2	Shutdown zone 9	shutdown code programming
	481	2	Shutdown zone 10	shutdown code programming
	492	2	Shutdown zone 11	shutdown code programming
	483	2	Shutdown zone 12	shutdown code programming
57	484	2	Shutdown zone 13	shutdown code programming
	485	2	Shutdown zone 14	shutdown code programming
	486	2	Shutdown zone 15	shutdown code programming
	487	2	Shutdown zone 16	shutdown code programming
58	488	2	Shutdown zone 17	shutdown code programming
	489	2	Shutdown zone 18	shutdown code programming
	490	2	Shutdown zone 19	shutdown code programming
	491	2	Shutdown zone 20	shutdown code programming
59	492	2	Shutdown zone 21	shutdown code programming
	493	2	Shutdown zone 22	shutdown code programming
	494	2	Shutdown zone 23	shutdown code programming
	495	2	Shutdown zone 24	shutdown code programming
57	484	2	Shutdown zone 13	shutdown code programming
60	496	2	Max Aux. current	Tamper code programming
	497	2	bell or siren disconnect /max bell or siren's current	Tamper code programming
	498	2	Battery disconnect /low voltage	Tamper code programming
	499	2	Power trouble	Tamper code programming
61	500	2	Fire loop trouble	Tamper code programming
	501	2	Time loss	Tamper code programming
	502~503	2	Will be used in future	
62	504	2	Auxiliary power restore	Tamper restore code
	505	2	Bell disconnect restore	Tamper restore code
	506	2	battery disconnect / low voltage restore	Tamper restore code
	507	2	Power trouble restore	Tamper restore code
63	508	2	Fire loop trouble restore	Tamper restore code
	509	2	Timer programmed	Tamper restore code
	510	2	All shutdown/tamper code restore to normal	Tamper restore code
	511	2	TLM restore	Tamper restore code
64	512	2	Test report	Specific code
	513	2	Panic #1	Specific code
	514	2	Panic #2	Specific code
	515	2	Panic #3	Specific code

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65	516	2	Close the door too late	Specific code
	517	2	No movement	Specific code
	518	2	Partial arming	Specific code
	519	2	Recent close alarm	Specific code
66	520	2	Duress	Specific code
	521~523	2	Will be used in future	
67	524	2		
	525	2	Program change	Specific code
	526~527	2	Will be used in future	

### CONTACT ID event code programming

CID	Report code	Program value	CID	Report code	Program value
100	AUXILIARY ALARM	[DAT]/[1]	300	SYSTEM TROUBLE	[2]/[2]
110	FIRE ALARM	[DAT]/[2]	301	AC LOSS	[2]/[3]
111	FIRE SMOKE	[DAT]/[3]	302	LOW SYSTEM BATTERY	[2]/[4]
112	COMBUSTION	[DAT]/[4]	305	SYSTEM RESET	[2]/[5]
113	WATER FLOW	[DAT]/[5]	306	PROGRAM CHANGED	[2]/[6]
114	HEAT	[DAT]/[6]	306	BATTERY TEST FAIL	[2]/[7]
115	PULLSTATION	[DAT]/[7]	320	SOUNDER/RELAY TROUBLE	[2]/[8]
116	DUCT	[DAT]/[8]	321	BELL 1 TROUBLE	[2]/[9]
117	FLAME	[DAT]/[9]	323	ALARM RELAY TROUBLE	[2]/[10]
118	NEAR ALARM	[DAT]/[10]	350	COMMUNICATION TROUBLE	[2]/[11]
120	PANIC ALARM	[DAT]/[11]	351	TELCO 1 FAULT	[2]/[12]
121	DURESS	[DAT]/[12]	354	FAIL TO COMMUNICION	[2]/[BYP]
122	SILENT PANIC	[DAT]/[BYP]	370	PROTECTION LOOP TROUBLE	[2]/[VAM]
123	AUDIBLE PANIC	[DAT]/[VAM]	371	PROTECTION LOOP OPEN	[2]/[TRBL]
130	BURGLARY	[DAT]/[TRBL]	372	PROTECTION LOOP SHORT	[3]/[DAT]
131	PERIMETER BURG	[1]/ [DAT]	373	FIRE LOOP TROUBLE	[3]/[1]
132	INTERIOR BURG	[1]/[1]	382	SENSOR TROUBLE	[3]/[2]
133	24HR BURGLARY	[1]/[2]	383	SENSOR TAMPER	[3]/[3]
136	BUGLARY OUTDOOR	[1]/[3]	400	OPEN/CLOSE	[3]/[4]
137	BURGLARY TAMPER	[1]/[4]	401	OPEN/CLOSE BY USER#	[3]/[5]
138	BURGLARY NEAR ALARM	[1]/[5]	402	GROUP OPEN/CLOSE	[3]/[6]
140	GENERAL ALARM	[1]/[6]	403	AUTOMATIC OPENING/CLOSING	[3]/[7]

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150	24HOUR AUX	[1]/[7]	404	LATE TO OPEN/CLOSE	[3]/[8]
151	GAS DETECTED	[1]/[8]	407	REMOTE ARM DOWNLOAD	[3]/[9]
152	REFRIGERATION	[1]/[9]	410	REMOTE ACCESS	[3]/[10]
153	LOSS OF HEAT	[1]/[10]	441	OPEN/CLOSE-STAY MODE	[3]/[11]
154	WATER LEAKAGE	[1]/[11]	570	BYPASS	[3]/[12]
155	FOIL BREAK ALARM	[1]/[12]	572	24HOUR ZONE BYPASS	[3]/[BYP]
156	DAY TROUBLE ALARM	[1]/[BYP]	573	BURGLARY BYPASS#	[3]/[VAM]
157	LOW GAS LEVEL	[1]/[VAM]	574	GROUP BYPASS	[3]/[TRBL]
158	HIGH TEMPERATURE	[1]/[TRBL]	601	MANUAL TEST	[4]/[DAT]
159	LOW TEMPERATURE	[2]/ [DAT]	602	PERIODIC TEST	[4]/[1]
161	LOSS AIR FLOW	[2]/[1]	625	TIME/DATE RESET	[4]/[2]

### 3. 2 DECIMAL PROGRAMMING

Address	Function description	Remark (unit)
044	Auto arming time (000-023)	Hours
045	Auto arming time (000-059)	Minutes
046	Auto test report (001-255)	Days
047	Auto test report (000-023)	Hours
048	Auto test report (000-059)	Minutes
049	Exit delay (60 seconds by default)	Seconds
050	Entry delay 1 (45 seconds by default)	Seconds
051	Entry delay 2 (45 seconds by default)	Seconds
052	Siren/bell time (5 minutes by default)	Minutes
053	(x 15ms) zone speed (600ms by default)	Milliseconds
054	Power trouble delay time (30 minutes by default)	Minutes
055	No movement reporting time (8 hours by default)	Hours
056	PGM time (001-127 for seconds,129-255 for minutes) (5 minutes by default) plus 128 for each minutes	Seconds / minutes
057	Intelligent zone delay (48 seconds by default) at least program 10 seconds	Seconds
058	Installer lock the system (147 locked,000 unlocked)	
059	Delay before siren /bell reporting (5-63 seconds) (000 is disabled)	Seconds
060	Recent close delay	

### 3. 3 FUNCTION LISTS (FUNCTION PROGRAMMING)

#### 3. 3. 1 User programming for system A (no partition, following user programming for stay arming)

Add ress	Keys	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[BYP]	[VAM]	[TBD]	[DAT]
062	User 1 ~16	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

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064	User 17~32	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
066	User 33~48	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48

### 3. 3. 2 User programming for system B (no partition, following user programming for force arming)

Address	Keys	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[BYP]	[VAM]	[TBD]	[DAT]
068	User 1~16	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
070	User 17~32	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
072	User 33~48	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48

### 3. 3. 3 User programming for bypass arming

Add.	Keys	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[BYP]	[VAM]	[TBD]	[DAT]
074	User 1~16	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
076	User 17~32	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
078	User 33~48	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48

### 3. 3. 4 Zone definition:

Zone definition	Add.	Choose the key											
		[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]
On=1~10 intelligent zone enabled	092	1	2	3	4	5	6	7	8	9	10	11	12
13~24 intelligent zone enabled	094	13	14	15	16	17	18	19	20	21	22	23	24
On=1~10 silent zone enabled	096	1	2	3	4	5	6	7	8	9	10	11	12
=13~24 silent zone enabled	098	13	14	15	16	17	18	19	20	21	22	23	24
On = 1~10 24-hour/fire zone enable	100	1	2	3	4	5	6	7	8	9	10	11	12
= 13~24 24-hour/fire zone enable	102	13	14	15	16	17	18	19	20	21	22	23	24
On = 1~10 instant zone enabled	104	1	2	3	4	5	6	7	8	9	10	11	12
= 13~24 instant zone enabled	106	13	14	15	16	17	18	19	20	21	22	23	24
On = 1~10 follow zone enabled	108	1	2	3	4	5	6	7	8	9	10	11	12
= 13~24 follow zone enabled	110	13	14	15	16	17	18	19	20	21	22	23	24
on= 1~10 delay zone 2 enabled	112	1	2	3	4	5	6	7	8	9	10	11	12

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= 13~24 delay zone 2 enabled	114	13	14	15	16	17	18	19	20	21	22	23	24
on=system A/stay zone 1~12	116	1	2	3	4	5	6	7	8	9	10	11	12
=system A/stay zone 13~24	118	13	14	15	16	17	18	19	20	21	22	23	24
on=system B/stay zone 1~12	120	1	2	3	4	5	6	7	8	9	10	11	12
=system B/stay zone 13~24	122	13	14	15	16	17	18	19	20	21	22	23	24
On = bypass zones 1~12	124	1	2	3	4	5	6	7	8	9	10	11	12
= bypass zones13~24	126	13	14	15	16	17	18	19	20	21	22	23	24

Press [SET] + [installer code] + 3-digital address + press the relative key-press on/off

Press [BACK] for exit the program

the relative key-press "off" : zone's definition unavailability

the relative key-press "on" : zone's definition availability

### 3. 3. 5 Stay zone definition:

Zone definition	address	Choose the key									
		[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]
on = zone 1~10 stay enabled	116	1	2	3	4	5	6	7	8	9	10

### 3. 3. 6 bypass zone definition:

Zone definition	address	Choose the key									
		[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]
on = zone 1~10 bypass enabled	124	1	2	3	4	5	6	7	8	9	10

### 3. 3. 7 Functions of address 086

The function when the light off	OFF	KEYS	ON	The function when the light on
Details refer to installation menu 11.1 Telephone line supervision TLM [DAT] and [1] light off/on function see the right list	OFF	[DAT]	ON	Off /off: TLM disabled Off/ on: have tamper display, LED [10] on On/off : have tamper display , will generate an alarm if armed On/on: have tamper display, can change the silent zone or silent panic key as audible mode.
Regular arming	OFF	[2]	ON	Stay arming/ system A
Arm/disarm by remoter	OFF	[3]	ON	ARM by remoter availability
Timed auto arming disabled	OFF	[5]	ON	Timed auto arming enabled
No movement auto arming disabled	OFF	[6]	ON	No movement auto arming enabled
Pulse dialing	OFF	[7]	ON	Tone frequency dialing

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Partition disabled	OFF	[8]	ON	Partition enabled
Silent zones/panic key generate the silent alarm	OFF	[9]	ON	Silent zones/panic key generate the reporting only
European pulse 1/2	OFF	[10]	ON	USA pulse 1/1.5
Detail refer to installation menu <b>10.1</b>	OFF	[11]	ON	Off/off: no reporting; on/off: report separately Off/on: regular report; on/on: double report
Event report <b>[11]</b> and <b>[12]</b> light off/on function see the right list	OFF	[12]	ON	
Siren/bell silent when arming/disarming	OFF	[VAM]	ON	Siren/bell squawk one time when arming/disarming
Auto bypass zone disabled	OFF	[TBD]	ON	Auto bypass zone enabled

### 3. 3. 8 Functions of address 086

The function when the light off	OFF	KEYS	ON	The function when the light on
	OFF	[DAT]	ON	
Panic 1(key [1] and key [3] ) disabled	OFF	[1]	ON	Panic 1(key [1] and key [3] ) enabled
Panic 2(key [4] and key [6] ) disabled	OFF	[2]	ON	Panic 2(key [4] and key [6] ) enabled
Panic 3(key [7] and key [9] ) disabled	OFF	[3]	ON	Panic 3(key [7] and key [9] ) enabled
Panic 1 silent	OFF	[4]	ON	Panic 1 audible
Panic 2 silent	OFF	[5]	ON	Panic 2 audible
Panic 3 silent	OFF	[6]	ON	Panic 3 audible
use key [10] for regular arming disabled	OFF	[7]	ON	use key [10] for regular arming enabled
Use key[11] for stay arming or system A arming disabled	OFF	[8]	ON	Use key[11] for stay arming or system A arming disabled
6-digit code	OFF	[9]	ON	4-digit code
Detail refer to installation menu <b>11.6</b>	OFF	[10]	ON	Off/off: shutdown trigger/wire tamper disabled Off/on: tamper display enabled On/off: silent alarm enabled On/on: audible alarm enabled
Shutdown trigger/wire tamper options <b>[10]</b> and <b>[11]</b> light off/on see right list	OFF	[11]	ON	
Exit delay "Beep" disabled	OFF	[12]	ON	Exit delay "Beep" enabled
report zone restore after siren elapsed	OFF	[BYP]	ON	Zone restore reporting
Zone with resistance	OFF	[VAM]	ON	Zone without resistance
Report after each disarming	OFF	[TBD]	ON	Send the disarm report after an alarm

### 3. 3. 9 Functions of address 090

The function when the light off	OFF	KEYS	ON	The function when the light on
Power trouble display disabled	OFF	[DAT]	ON	Power trouble display enabled
Auto arm=regular arm ( auto regular arm )	OFF	[2]	ON	Stay arm/ system A arm

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When bypass zone's shutdown trigger open, generate an alarm.	OFF	[6]	ON	When bypass zone's shutdown trigger open, will not generate an alarm.
Double zone disabled	OFF	[8]	ON	Double zone disabled
Silent when occurs tamper	OFF	[9]	ON	Squawk when occurs the tamper(key [TBD] on)
Duress disabled	OFF	[10]	ON	Duress enabled
keypad 1 supervision disabled	OFF	[11]	ON	keypad 1 supervision enabled
Keypad 2 supervision disabled	OFF	[12]	ON	keypad 2 supervision enabled

### 3. 4 FUNCTION LIST (ONE-KEY PROGRAMMING)

Keys	Functions	Remark
[8]	Installer's test mode: used for testing detector	Installer code
[9]	Set the auto arm time	Installer code/master code/ user1 code
[VAM]	Set the panel's clock	Installer code/master code/ user1 code
[BYP]	Test report: active the manual test, and send report to central at the address of 512H.	Installer code/master code/ user1 code

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