

708 USER MANUAL

DSW[®]
International

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NINGBO DSW INTERNATIONAL CO., LTD

Thank you for using 708 security system. Before using this product, please read the User's Manual carefully to exert prominent performance of this system.

INSTALLATION INFORMATION

User's name	
User's address	
Installer	
Installation company	
Installation date	
Phone of installation company	
Fax of installation company	
Alarm received center (alarm monitoring company)	
Alarm received center address	
Phone of alarm received center	
Phone of security system	
Note: This blank above should be filled by installation principal and confirmed by other relevant principal.	

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1. INTRODUCTION

708 security system is a kind of new intelligent alarm product developed by Ningbo DSW International Co., Ltd. It transmits information to user or alarm received center via telephone communication network and is remotely controlled to deal with the emergency in time, giving better protection to user's property. This product is of advanced functions, flexible configure, strong destroy protection and convenient operations, being suitable for financial institutions, factories, schools, hospitals, and homes etc.

2. MAIN FUNCTIONS AND FEATURES

- MCU processing, keypad programming, LED display
- Available to connect with 8 wire zones; program for zone functions and alarm modes
- Compatible with ADECO 4+2DTMF, CFSKIII, 4/9ADEMCO DTMF contracts
- Anti-tamper for master control and keypad
- Use system separately or in network
- Operation modes for keypad control and setting alarm received center
- Flexible configure: fittings of different detectors
- Keypad indicators display alarm information, alarm received center displays and disposes alarm, system can transmit directly to personal mobile telephone or unmovable telephone too
- Panic alarm, duress Alarm
- Current-limiting for auxiliary power supply
- Entry/exit delay adjustment
- System self-check function

3. TERM DEFINITIONS

Security system:

It consists of control centre (optional), master control, keypad, keypad wiring board, detector, alarm notifying device and other auxiliary devices.

Security system Function:

When one of the detectors is touched off, the system will entry noneffective status from normal status. If one detector is touched off when system is in armed status, the master control will alarm with flashing indicator , bell sound, and send out an alarm information to user or alarm center.

To achieve some operations or functions of this system, user needs to input password; the system can be performed different types of arming based on different application; each zone of this system is specially designed, which provides protection ranges of 8 zones.

Alarm Received Center:

A destination, where security system transmits alarm report to when alarm happens, will take some measures to dispose the alarm as soon as receiving alarm .

Entry Delay:

A system-supplied period before system alarm for the purpose of entering armed protection zone to disarm. The period of delay can be set from 10 seconds to 150 seconds. [notice: if 'long delay' is selected, delay time will be double (from 20 to 300 seconds).]

Exit delay:

A system-supplied period for user to leave detecting area once the system is armed. The period of delay can be set from 10 seconds to 150 seconds. [notice: if 'long delay' is selected, delay time will be double (from 20 to 300 seconds).]

Password:

A digits combination inputted when system is needed to arm, disarm or operate other special functions.

Guest Password:

8 user's passwords can be stored , and the eighth can be used as guest's password which is for guest or shortdated user, count-down mode is used from the first use. The password must be re-programmed if guest password expires.

Grade 'A':

Function grade of system providing for transmitter or original facilities monitor system.

Zone:

A distinguishable smallest unit in protection area.

Arming Response:

If this option is activated, the system will sound 2 seconds to response once the system is armed. If system is programming, arming report code will be sent to alarm center and the arming response will be fed back after alarm center receives and confirms the information; otherwise, arming response will be arisen only after exit delay is over.

24-hours zone:

Whatever arming or disarming, this kind of zone is still in effective protection status.

Instant Arming:

It means change all delay zones into instant zones.

Stay Arming:

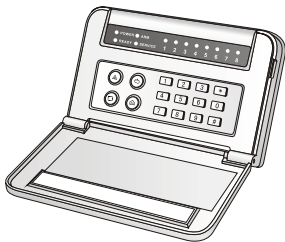
Perimeter zones is armed and interior zone is bypassed in this status.





Instant Stay-arming:

Perimeter zones is armed and interior zone is bypassed, entry delay turns into instant in this status.

4. KEYPAD DEFINITIONS

Keypad mainly consists of zone indicators, arm indicator, power indicator, ready indicator, service indicator, function keystrokes and digit keystrokes.



- power indicator: POWER
- arm indicator: ARM
- ready indicator: READY
- service indicator: SERVICE
- zone indicators: 8 indicators, Each of them represents corresponding zone.
-  burglary alarm
-  fire alarm
-  bypass
-  panic

5. INDICATOR SIGNIFICATION

Signification	Power indicator	Ready indicator	Arm indicator	Service indicator	Zone indicator	Notes
AC power loss	Off	On				AC power loss, battery supplies power.
System ready		On				Ready for arming
Zone is ineffective when system disarming		Off			On	More than one ineffective zones
System arming		Off *	On			* Be on till system arming
Zone disarm		On *	Off			Be on when all zones are in normal status
System delay arming, ready for delay zone turn to instant zone		Off	Slow flashing			Press '* 7 #' to arm
Perimeter zone delay arming		Slow flashing	Slow flashing		Slow flashing *	Press '* 4 #' to arm * Flashing zone is bypassed
Perimeter zones armed, delay zone shift to instant zone		Slow flashing	On		Slow flashing *	Press '* 4 7 #' to arm * Flashing zone is bypassed
Zone malfunction				Slow flashing	Slow flashing	Zone and service fault, the two indicators flash at the same frequency.
Zone alarm/ alarm record		Slow flashing	On *		Fast flashing	Ever alarmed. * If in armed status, ARM indicator will be on.
Zone bypass		Slow flashing			Slow flashing	READY indicator and relevant indicator of bypassed zone flash.
Low battery	Slow flashing			On		Contact facilitator
Bell blowout				On		Contact facilitator
Reset watchdog				Slow flashing		Normal reset for master control. Input '* 1 #' for indicator reset.
Communication fault				Fast flashing		Contact facilitator
Programming modes		Slow flashing	Slow flashing	Slow flashing		System is in programming mode

6. Prompt Sound Signification

Sound	Signification
Twice (confirm sound)	System arming or disarming; Alarm center or battery test succeed
5 times (error sound)	Ineffective function; Password inputted error; Ineffective command; Password modification error; Entry delay
Sounds continuously, frequency is higher in last 10s	Entry delay
Sounds constantly, frequency is higher in last 10s	Exit delay
2s Sounds	Doorbell; Zone is ineffective in walk test
Chirp (1s on, 4s off)	Zone programmed as bell or keypad chirp alarms
Continuous sound	Zone programmed as steady bell or keypad output alarms; Circuit fault (monitoring loop fault)
Pulse sound	Zone programmed as pulse bell alarms

7. KEYPAD OPERATIONS

This system has 4 kinds of password: installer password, operator password, host password and guest password. The first operator password is host password, the eighth is guest password. In this manual, password means the host password (the first operator password). Please refer Installation Manual for more details.

● Modify Installer Password

Notice : each digit of installer password (6 digits) can be changeable except for the first digit which is default as 0.

1. Confirm that green READY indicator is on;
2. Input the original password with 6 digits, then press '* 0 # '. Indicators of READY, ARM and SERVICE on keypad flash slowly.



3. Input '0 0, new installer password with 6 digits, #'.



4. Press '* #', READY indicator is on.



5. Confirm if the new installer password is effective or not.

● Modify Operator Password

The first user can use host password to change 1~8 operator password.

1. Confirm that green READY indicator is on.
2. Input host password, then press '* 0 #' . Indicators of READY, ARM, SERVICE flash slowly.



3. Input new operator password, then press '#'

Notice: each digit of operator password (6 digits) can be changeable except for the first digit which is default as 0.



4. Input new operator password again, then press '#'

Notice: If new password is accepted, keypad will sound twice; if it is false or unacceptable to system, keypad will sound 5 times.



5. Press '* #' to exit from programming mode;



6. Confirm if new password is effective or not.

● Delete Operator Password

NO.1 user can use host password to delete operator passwords from NO.2 to NO.8.

1. Confirm that green READY indicator is on;
2. Input host password, then press '* 0 # '. Indicators of READY, ARM and SERVICE on keypad flash slowly.



3. Input the number of operator password which need to be deleted from NO.2 to NO.8, then press '# '.



4. Input the number of operator's password again, then press '# '.




5. Press '* #' to exit from programming mode.



● Zone Bypass

System allows bypass one or more zones in disarmed status.


☆ Bypass One Zone

1. Input password;
2. Press , then input the zone number and press '# '.



ZONE #

☆ Bypass More Than One Zones

1. Input password.
2. Press , then input zone number to be bypassed and press '# '. Bypass other zones according to foregoing operation.



Notices:

1. System is programmed which passwords can be used to bypass zone and which zones can be bypassed.
2. Bypassed zone can be achieved via remote programming, which can be performed in armed or disarmed status. (reserve this function)
3. The operation of cancelling zone bypassed is the same as that of bypassing zone; the disarmed system will cancel all bypassed zones. (except 24-hours zone)
4. Bypassed zones are unprotected.
5. Zone indicators corresponding to bypassed zones and Ready indicator will flash.

● Arming Mode Options

This system can be programmed several arm modes as followed:

☆ Regular Arming

Any non 24-hours zone triggered will result in system can not be armed. System can be armed after cancelling triggered zone or manually bypassing fault zone.

☆ Compulsory Arming

When exit delay is over, any zone in ineffective status will be bypassed automatically (except 24-hours zones) until the system is disarmed.

☆ Bell Alarm

The system will alarm if delay zone is fault during arming. If some zone is still in problem when delay is over, alarm will sound continuously for a period of entry delay. During this time, disarming system must be performed before entry delay finished, or system will alarm.

● System Arming

Notices:

1. Error input will make keypad sounding 5 times to remind the user
2. Delay can be programmed from 10s to 150s.
3. Interval of pressing key is up to 5s, or it will be ineffective.
4. Ineffective zone must be reset or bypassed before system arming.
5. If it is programmed as exit prewarning, the keypad will sound to remind in the last 10s of delay.
6. If programming allowed, red indicator of invalidation zone will be off automatically. Press any key to restore display.

☆ Instant Arming

1. Confirm green READY indicator is on.
2. Input password (free to input or not), press '* 7 # '.



3. Keypad sounding twice means instant arming succeeds, then red ARM indicator flashes.

Notice: It is unallowed to go through any zone after system instant arming , or system will alarm.

☆ Stay Arming

1. Confirm green READY indicator is on;
2. Input password (free to input or not), press '* 4 # ';



3. Keypad sounding twice means stay arming succeeds, then red ARM indicator flashes.

Notices:

1. User can act freely in interior of protection area without alarm after system stay arming
2. Indicators of bypassed zone will flash slowly.

3. It is available to enter protection area in entry delay, but do not forget to disarm after entry.

☆ **Instant Stay-arming**

1. Confirm green READY indicator is on.
2. Input password (free to input or not), press '* 7 4 #'.



3. Keypad sounding twice means instant stay-arming succeeds, then red ARM indicator flashes.

Notices:

1. It is unallowed to enter protection area from anywhere after system instant stay-arming, or system will alarm.
2. Indicator of bypassed zone will flash slowly.

☆ **System arming**

1. Confirm green READY indicator is on.
2. Input password, press '#'.



3. Keypad sounding twice means system arming succeeds, then red ARM indicator flashes.
4. Exit from delay zone in delay time.

Notices:

1. System arming is a default as ineffective zone which must be reset or bypassed to perform system arming.
2. If programme allowed, red indicator of ineffective zone will be off automatically. Press any key to restore.

● **System Disarming**

Arming the system by whatever modes, methods below can be used to disarm.

1. Input password, and press '#'.



2. Keypad sounding twice means disarming succeeds, then red ARM indicator is off.

Notices:


1. All bypassed zones are cancelled after system disarming.
2. If disarming is not successful, please input password again after keypad sounding 5 times.

● Emergency Alarm

☆ 24-hours monitoring

If this is available, system will send alarm report to alarm received center.


☆ Panic keystroke

Pressing  and holding it for 3s will create an alarm, and the keypad will sound twice to confirm.

☆ Fire keystroke

If it is available, pressing  and holding it for 3s will create an alarm, and the keypad will sound twice to confirm.

☆ Burglar/panic keystroke

If it is available, pressing  and holding it for 3s will create an alarm, and the keypad will sound twice to confirm.

☆ Duress Alarm

If someone forces you to arm/disarm the system, you can input password whose the last digit plus/minus 1 to disarm/arm the system and meanwhile system will send a soundless duress signal to alarm received alarm. For example, your password is 1234, if you use 1233 or 1235 to disarm/arm the system, it will trigger a soundless signal. At this time system displays normal status, intruder will be unaware about system alarm.

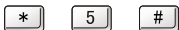
● Alarm Disposal

1. The corresponding indicator of alarm zone will flash rapidly, and bell will sound to alarm.
2. The user should silence bell and disarm system after alarm. (Refer to System Disarming)
3. If it is a false alarm, please call alarm received center to cancel alarm report, and write the zone number down for subsequent disposal.
4. Press '* 1 #' to cancel alarm record.



● Doorbell

1. If it is used, corresponding zone triggered in disarmed status will make keypad sounding for 2s.
2. Input '* 5 #' on keypad to turn on/off the doorbell.



● Smoke Detector Reset

If smoke detector is triggered, corresponding zone indicator will be on, meanwhile the bell sounds to alarm. At this time people should escape immediately and do not return to accident place before confirm safety. After confirming, press '* 6 2 #' to reset smoke detector.



● System Test

According to UL1023, security system is of grade 'A'. Most malfunctions and ineffectivities are result from incorrect or neglectful maintenance. So we recommend weekly test for you security system, and send aperiodically test information to alarm received center to ensure system works normally if the security system has been connected into alarm received center. Some tests you should perform weekly are listed as below:

☆ Local System Test

Input password (free to input password or not) * 60 #.



User can test system when background light of keypad is off. When someone is moving in protection area of detector or open/close the door/windows equipped with magnetic switches, ie. some zone is triggered, the corresponding zone indicator and READY indicator of keypad will flash, keypad will also sound for 2s as prompt.

★ Press any keystroke to exit from local system test.

Notice: The system will not alarm during local system test.

☆ **Backup Battery Test**

1. Automatic test: If this function is used, the system will test automatically every 24 hours.
2. Manual test: Press '* 6 4 #'.



Backup battery test takes 2 minutes. Power indicator is off during test. (AC power is turned off).

If battery is in good condition, keypad sounds twice; or POWER indicator flashes, SERVICE indicator is on, keypad sounds 5 times.

☆ **Bell Alarm**

Press (password or not) '* 6 3 #' to enter bell test.



Keypad and bell sound 3s.

☆ **Alarm Received Center Test**

Suggestion: Because it is aimed at testing communication and report performance of this system, better to do this test at weekend and contact with alarm received center beforehand.



If the test is succeeded, keypad will sound twice; or sound 5 times with SERVICE indicator flashing, at this time, please contact service provider for consultation.

8. Backup Battery

If AC is turned off, green POWER indicator will be off and security system will shift to backup battery powered status. If pre-programmed, time that AC power loss exceeds 15 min, security system will send report to alarm received center.

Suggestion: Replace backup battery every 4-6 years. Backup battery uses 12V/7AH lead-acid accumulator.

9. Limitations of This System

Although 708 security system is proved steady and credible, it can not guarantee absolute safety. The performance of any security system including home and commercial, will be affected due to following factors:

1. The interloper may enter from non-protective area or use effective technology to invalidate the system.
2. Most detectors can not work without power supply, so if AC power loss and backup power is void, the security system is no use.
3. It is difficult to give the user warning owing to unsuitable installation position of the alarm facilities. Such as the alarm bell installed outside, it may not wake up the user sleeping in the bedroom.
4. Telephone line used to transmit signal may be forbidden to accept service due to some reasons, or vicious attacks results in deviant communication.
5. Unsuitable installation position of detector, which leads to the detector can not work normally.
6. Lack of maintenance may lead to the system can not work. Weekly testing is required to ensure proper operation of this system.
7. security system may serve you with low insurance, but it does not mean that you need no insurance, you should get insurance for your benefits.

TABLE OF ZONE DESCRIPTION

System: 708

Zone number	Location	Bypass	
		Yes	No
Zone 1			
Zone 2			
Zone 3			
Zone 4			
Zone 5			
Zone 6			
Zone 7			
Zone 8			