

NAPCO LIMITED WARRANTY

NAPCO SECURITY SYSTEMS, INC. (NAPCO) warrants its products to be free from manufacturing defects in materials and workmanship for fifteen months following the date of installation with the exception of the following items: (1) the receiver, which is covered by a separate warranty; and (2) the control panel, which is covered by a separate warranty. This warranty does not apply to the original purchaser or user.

The responsibility for any and all thefts, which have been reported by others, immediately in writing, to the manufacturer, dealer, distributor, or retailer, shall be the responsibility of the user. The manufacturer, dealer, distributor, or retailer shall not be responsible for any damage, loss, or expense resulting from any theft, burglary, robbery, or other crime.

In order to receive the warranty, the product must be returned to the manufacturer, dealer, distributor, or retailer, within the fifteen month warranty period. The product must be returned to the manufacturer, dealer, distributor, or retailer, within the fifteen month warranty period. The product must be returned to the manufacturer, dealer, distributor, or retailer, within the fifteen month warranty period.

There are no warranties, express or implied, which extend beyond the manufacturer's warranty. The manufacturer's warranty is the only warranty that applies to the product. The manufacturer's warranty is the only warranty that applies to the product.

The manufacturer's warranty is the only warranty that applies to the product. The manufacturer's warranty is the only warranty that applies to the product. The manufacturer's warranty is the only warranty that applies to the product.

The manufacturer's warranty is the only warranty that applies to the product. The manufacturer's warranty is the only warranty that applies to the product. The manufacturer's warranty is the only warranty that applies to the product.

The manufacturer's warranty is the only warranty that applies to the product. The manufacturer's warranty is the only warranty that applies to the product. The manufacturer's warranty is the only warranty that applies to the product.

The manufacturer's warranty is the only warranty that applies to the product. The manufacturer's warranty is the only warranty that applies to the product. The manufacturer's warranty is the only warranty that applies to the product.

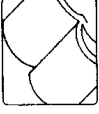
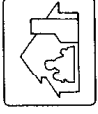
The manufacturer's warranty is the only warranty that applies to the product. The manufacturer's warranty is the only warranty that applies to the product. The manufacturer's warranty is the only warranty that applies to the product.

The manufacturer's warranty is the only warranty that applies to the product. The manufacturer's warranty is the only warranty that applies to the product. The manufacturer's warranty is the only warranty that applies to the product.

The manufacturer's warranty is the only warranty that applies to the product. The manufacturer's warranty is the only warranty that applies to the product. The manufacturer's warranty is the only warranty that applies to the product.

THE FOLLOWING STATEMENT IS REQUIRED BY THE FCC

This equipment generates and uses radio-frequency energy and, if not properly installed and used, may cause interference to radio and television reception. This has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference when the equipment is properly installed. However, there is no guarantee that interference will not occur in a particular installation. If the equipment does cause interference to radio or television reception, you may wish to take the following steps: (1) Reorient or relocate the receiving antenna. (2) Increase the distance between the equipment and the receiver. (3) Plug the receiver plug into a different outlet so that computer and other electronic devices do not share the same branch circuit. (4) Consult the dealer or an experienced radio/television technician for additional suggestions. You may find additional information in the following publication: "How to Identify and Resolve Radio-TV Interference Problems." This booklet is available from the U.S. Government Printing Office, Washington, DC 20540; Stock No. 0470-108-904-9.



OPERATING GUIDE FOR YOUR MAGNUM ALERT-725 SECURITY SYSTEM

© 1986 NAPCO

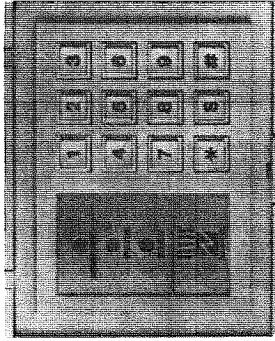
Napco Security Systems, 333 Bayview Avenue, Amherst, NY 11701 O1110 590



CONGRATULATIONS

Your new MAGNUM ALERT-725 represents the state of the art in security technology. It is the most advanced, most reliable, and most training system with many available features. Your alarm specialist has tailored this system to your particular requirements; he'll go over it with you and help you fill out the ALARM PLAN on page 15. And he'll always be available should questions concerning system operation arise.

Please read through these pages carefully before putting the system into operation. Familiarize yourself with the features and operation of your MAGNUM ALERT-725 and keep this manual handy for reference. While reading it, you will undoubtedly run across several new or unfamiliar terms. Check the GLOSSARY on pages 4 and 5 for explanation of these terms.



2



GENERAL DESCRIPTION

The MA-725 may be used in one of two ways. It can function as a complete alarm system for home or office when complemented by an accessory power source and communicator (optional), or, when used as part of a larger system, it can be used for arming (and disarming) devices to provide localized protection (or access to) only a part of that system.

Typical applications of the latter may be found in factories, warehouses, shopping malls, and other large structures or complexes. Regardless of how the MA-725 is utilized, its operation is essentially the same.

As each system is customized to its user's particular needs, not all of the features may have been selected, but all MA-725 systems will have the following capabilities and components.

Zone Monitoring. Your system will be monitoring up to four separate circuits on your premises or within your designated area. For example, your alarm specialist may have selected one or more entry doors, another for window protection, another for interior space protection, and still another for safe and valuables protection. An additional zone (Panic Zone) is available to manually signal an immediate alarm in case of an emergency. Each zone may be programmed to react in a specific manner. You must learn what

each zone protects, how it responds to a violation, and what suitable action must be taken.

The Digital Keypad. This integral digital keypad allows you to perform the following functions:

- arm and disarm your system,
- check the condition (status) of each zone,
- check which zones were violated after an alarm,
- temporarily bypass shunt one or more zones,
- sound an alarm,
- cancel exit/entry delay,
- test the alarm,
- reset a Day Zone, and
- bypass a Priority Zone with Bypass.

Three lights and a Mini-Sounder on the panel provide visual and audible alerts.

Alarm Circuits. The alarm circuits are activated by a zone violation. When the panel senses an abnormal condition from any source, it will respond by sounding an audible alarm and/or alerting a central monitoring station (optional).

3

GLOSSARY

Alarm History:
Hold-down function. (2). This will display the last alarm condition on the ARMED/MEMORY light.

Alarm Plan:
Identifies the areas of your premises protected by each zone location and lists zone features. To be filled in and explained by your alarm specialist.

Arms:
To turn your system on.

Auto-Shunt Zone:
A zone that will automatically be bypassed if in trouble when arming.

Burglary Zone:
A zone that will detect intrusion while the system is armed.

Day Zone:
A zone that will cause visual and audible (optional) indication at the keypad, if in trouble, when the system is disarmed.

Disarms:
To turn your system off.

Entry Delay:
A delay that allows you time to enter your premises after the system is armed without setting off an immediate alarm.

Exit Delay:
A delay that allows you time to exit your premises after the system is armed without setting off an immediate alarm.

Exit/Entry Follower Zone:
A zone that will ignore detection during the exit delay, and only during entry delay, if the Exit/Entry Zone is entered first. If the Exit/Entry Follower Zone is not entered first, the Exit/Entry Follower Zone will go into alarm immediately.

Fallback Code:
A preprogrammed 4-digit code that may be used to arm or disarm your system should all user codes be erased (as after an extended power failure).

Group Shunt:
Placement of a preset group of zones from the system by pressing Key (S) twice.

Hold-Down Functions:
Secondary keypad functions. Each is activated by holding down a designated digit for 2 seconds until a beep sounds.

Mini-Sounder:
Sounder that warns that entry delay time is in progress; exit delay time has expired; or an attempt is made to arm the system with a zone in trouble.

Panic Buttons:
Two buttons (+) and (#) on the keypad that are used to activate the Panic Zone in an emergency. Both must be pressed together.

Priority Zone:
A zone which, when in trouble, will prevent arming.

Priority Zone With Bypass:
A Priority Zone that will permit arming if the alarm condition is bypassed by means of Reset Key (9).

Selective Shunt:
A zone bypass that is selected using the Shunt Key (5) followed by the zone number.

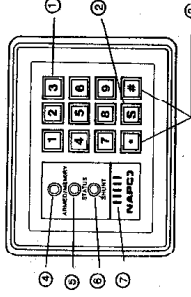
Shunt Buttons:
Key (S) on the keypad. Allows you to bypass one or more protective zones from the system.

Trouble:
An abnormal short circuit or open circuit on a zone. Trouble on a Burglary Zone will be indicated by Mini-Sounder beep upon arming (except for selective- or group-shunted zones). Trouble on a Day Zone will be indicated by a Mini-Sounder green/STATUS light and a pulsing Mini-Sounder. Trouble on the Mini-Sounder is reset by holding down Key (9).

Zones:
Preselected areas or locations on your premises that are protected by independent circuits in the panel.

24-Hour Zone:
A zone that is armed at all times, whether or not the system is armed.

CONTROLS & INDICATORS



③ Panic Buttons [1] and [2]. Signal an emergency when both buttons are pressed at the same time.

④ Red ARMED/MEMORY Light. Glows steadily to indicate that the system is armed. A flashing light when armed warns that the panel was in an alarm condition. It can also indicate when areas were violated (also see Hold-Down Functions).

⑤ Green STATUS Light. Glows steadily to indicate that all zones are operating properly and the system may be safely armed. A flashing light warns which non-24-Hour Zone(s) are in trouble. (To stop flashing, hold down Key [3]. See Hold-Down Functions).

⑥ Yellow SHUNT Light. Glows steadily to indicate that one or more zones have been bypassed and that the system is only partially armed. The light can flash to indicate which zones have been bypassed (see Hold-Down Functions, Key [5]).

⑦ Mini-Sounder. Sounds an audible tone when:
 • an attempt is made to arm the panel when a zone is in trouble;
 • entry delay is in progress, to remind the user to disarm;
 • a Day Zone is in trouble.
 A momentary beep when arming indicates that a zone is being auto-shunted.

NOTE: Circled numbers below are keyed to the illustration above. Raises the volume of the alarm for zone-coverage and hold-down function information.

Regular Functions

① Numerical Keys [1] through [9]. Used for entering arm/disarm code(s) and for selecting zones to be shunted (bypassed). Also have special Hold-Down Functions as described in Hold-Down Functions.

② Shunt Key [5]. Used for selecting zones to be shunted (bypassed). Also has a special Hold-Down Function as described in Hold-Down Functions.

RUN/LOAD Switch (behind hinged front panel not shown). Used to load the user arm/disarm when the switch is set to the LOAD position while entering a panel code. (Refer to Loading Panel Codes.)

④ Loading Panel Codes. Functions must be returned to the RUN position after all codes have been entered to resume alarm operation. The system will not operate with the switch in the LOAD position.

Hold-Down Functions

In addition to its regular functions, the keypad provides a series of dual functions. Note that these functions are accessed by holding down the designated key for about 2 seconds, until a beep sounds from the Mini-Sounder, and are thus known as "Hold-Down" functions.

Key [1] - Test. This will momentarily sound the bell or siren. A weak alarm may indicate the need for battery replacement. Make this test weekly.

Key [2] - Alarm History. This will flash the red ARMED/MEMORY light to indicate all alarm conditions that have occurred. While holding down Key [2], count the number of flashes to determine the zone(s) violated. After the system is rearmed, the previous alarm history will remain in alarm memory until automatically reset by a new alarm condition.

Key [3] - STATUS Flashing Off/On. Hold down Key [3] to stop the STATUS light flashing. Repeat to turn STATUS flashing back on.

Key [4] - Instant Protection. This will cancel the exit/entry delay periods when pressed before this feature is utilized to sound an instant alarm in any of the Exit/Entry Zones. If used after arming the system, the entry delay will be cancelled. When selected, the red ARMED/MEMORY light will flash rapidly as a reminder that the system is armed with instant protection. Exit/entry delay is automatically reinstated on disarming.

Key [5] - Door Chime Off/On. If Zone 1 is selected as the regular entry door, the Mini-Sounder will beep upon entry while disarmed. To enable this chime feature, hold down Key [5] until it beeps.

Key [6] - Reset. This key is used to reset Door Chime, reset a Day Zone, or bypass a trouble on a zone designated as Priority Zone With Bypass. See Priority Zone With Bypass in the Glossary.

Key [5] - Display SHUNT. This will flash the yellow SHUNT light to indicate the zone(s) armed. While holding down Key [5], count the number of flashes to determine the zone(s) shunted.



USING YOUR SECURITY SYSTEM



Selecting Your Personal Code

Using the keypad, you may enter up to four different codes to arm and disarm the panel.

NOTE: If your MAGNUM ALERT-725 is used as an area arm module that is part of a larger system, do not select a code that is already in use in the main system.

To program personal user codes, proceed as follows:

Flip up the hinge on front panel. Insert a small screwdriver into the hole between the red and green lights and slide the RUN/LOAD switch (behind the subpanel) to the right (LOAD position).

The three lights on the panel will flash rapidly and the Mini-Sounder will beep. On the keypad, enter any combination of up to four digits (there is no zero) as follows:

Press [S] then [1] then [any 4 digits]:

first user's code

[S] then [2] then [any 4 digits]:

second user's code

[S] then [3] then [any 4 digits]:

third user's code

[S] then [4] then [any 4 digits]:

fourth user's code

8

After the user codes have been entered, return the RUN/LOAD switch to the left (RUN position). Remember, your system will not operate with the switch in the LOAD position.

NOTE: You need not assign all four codes. Use only as many as you need, and change them as often as you feel necessary (refer to *Changing or Voiding a Code*, page 9).

The numbers you have selected become the codes that are programmed by the system. Each user should be assigned his own dissimilar code and should be cautioned against divulging that code to anyone else. Thus, should it become necessary to remove a user from the system, that one code may be voided without affecting other codes, and that user would then be prevented from entry.

NOTE: In high-security installations, your alarm specialist may have installed a remote DISARM/LOAD switch on the keypad. To program the RUN/LOAD switch on the keypad to prevent unauthorized access to user codes, if your system includes this feature, the DISABLE/LOAD switch must be set to LOAD when loading, changing or voiding a code, and returned to DISABLE when finished.

Changing or Voiding a Code

Changing any user's code is accomplished using the foregoing procedure and simply changing the 4-digit combination. Thus, to change User 3's code,

1. Set the RUN/LOAD switch to LOAD (lights flash; Mini-Sounder beeps).

2. Press [S] then [3] then [4 new digits]:

User 3's new code.

3. Return the RUN/LOAD switch to RUN.

Similarly, User 3's code may be voided by selecting the voiding code (User 3's code plus 1). Thus, to void User 3's code,

1. Set the RUN/LOAD switch to LOAD (lights flash; Mini-Sounder beeps).

2. Press [S] then [3]. User 3's code erased.

3. Return the RUN/LOAD switch to RUN.

Using Your Code to Arm and Disarm the System

When you enter your personal code at the keypad, the red ARMED/MEMORY light will either come on, indicating that the panel is armed; or go off, indicating that the panel is disarmed. You are free to leave the house. You will not be able to re-arm the system, and the light will fail to respond. Wait at least 2 seconds before attempting to re-enter your code.

In case of an extended power outage, all personal codes may be erased. Should this occur, your system will fail to respond to your personal code. You can then arm or disarm using your failback code, a 4-digit code that is permanently programmed into your system, until your personal codes can be restored (see *Selecting Your Personal Code* on page 8). *Be sure you know your failback code!*

NOTE: The failback code will only function if all personal codes have been lost.

9



PROTECTING YOUR PREMISES WHILE YOU ARE AWAY



Arming the System Before You Leave

Before you attempt to arm the system, check the STATUS light on the panel. If the light is on, you may enter your code, but be prepared to leave immediately. Upon arming, the red ARMED/MEMORY light will come on and the green STATUS light will go out. Leave immediately through the exit/entry door before the exit delay time runs out. If you take too long to leave the premises, the Mini-Sounder will warn you that exit delay time has expired and you must leave immediately. A voice alarm causing an alarm. Quickly return to the panel and enter your code to disarm. You may then rearm and try to exit again.

Arming with a Zone in Trouble

If the green STATUS light is flashing, at least one non-24-Hour Zone is in trouble. If an abnormal open or shorted condition and incapable of being armed. Count the number of flashes to determine zone(s) in trouble. For example, if your back door is open on Zone 1 and a window is open on Zone 3, the STATUS lamp will flash once for Zone 1 pause; then flash three times for Zone 3. Try to clear the trouble zone(s) yourself. In this example, you do not clear the zones by merely closing the back door and the window.

If the zone cannot be fixed (green light still flashing) you may be possible to disarm the system with the code of that zone. Check your Alarm Plan (see page 15). If the zone in trouble is not designated as a Priority Zone, you will be able to arm your system anyway. A momentary beep from the Mini-Sounder will alert you that the system was armed with a zone automatically bypassed (auto-shunted) and no alarm will occur. Be sure to have all zones in trouble repaired as soon as possible/ If you cannot clear the zone yourself, call your alarm specialist.

You cannot arm your system if a Priority Zone is in trouble. The Mini-Sounder will come on, but the ARMED/MEMORY light will not. To silence the sounder, re-enter your code to disarm.

Check your Alarm Plan on page 15. If the Priority Zone in trouble is also programmed for Selective Shunt (or Group Shunt), press [S] when the zone number to shunt that zone (or press [S] twice to shunt all group-shunt zones), then rearm.

If trouble is encountered on a Priority Zone With Bypass, enter your code to silence the Mini-Sounder and hold down Reset Key [9] until it beeps (this will bypass the trouble condition); then enter your code to arm.

Disarming When You Return

When you enter through the exit/entry door, the Mini-Sounder will come on during the entry period to remind you to disarm. Check the red ARMED/MEMORY light; if it is flashing, an alarm condition exists. To disarm, enter your code immediately during the entry period and both to prevent an alarm and to silence the Mini-Sounder.

NOTE:

1. If you enter the wrong code, you must wait at least 2 seconds before you can re-enter your code. If there was an extended power failure and your system does not respond to your correct code, enter your preprogrammed fallback code to disarm. See page 9.

2. If your MAGNUM ALERT-725 is used as an area arm module that is part of a larger system, and an alarm occurred on your premises, silence the alarm by disarming at your keypad.

To identify which zone(s) were violated, hold down Alarm History Key [2] until a beep sounds, but do not release it. The red ARMED/MEMORY light will flash to indicate the last alarm condition. Count the number of flashes to determine which zone(s) require attention.

NOTE: If an alarm occurred and the red light does not flash, a 24-Hour Zone (see your Alarm Plan) was violated. The cause of the alarm must be determined. If the alarm occurred before you can rearm your panel. Hold down Alarm History Key [2] to display the zone(s) violated.



PROTECTING YOURSELF WHILE YOU ARE ON PREMISES



Arming with Selective Zone Shunting

Your alarm specialist may have selected one or more zones with the capability of being selectively shunted (bypassed from the system). Since a shunted zone cannot cause an alarm, you may wish to use this feature to turn off the interior areas when arming, while keeping your perimeter zones (windows, doors etc.) active.

Check your Alarm Plan and note which zones may be selectively shunted. To utilize the selective-shunt feature, first check the green STATUS light to make sure that all zones are operating properly. Then press the Shunt Button (S) followed by the number(s) of the zone(s) to be bypassed. Thus, to bypass Zones 2 and 3, for example, press

[S] then [2] = Zone 2 shunted.
[S] then [3] = Zone 3 shunted.

The yellow SHUNT light will come on whenever one or more zones are shunted. Enter your user code to arm the remaining zones. The green STATUS light will go off and the red ARMED/MEMORY light will come on.

NOTE: When the panel is subsequently disarmed, all shunted zones will automatically revert back to active zones.

Arming with Group Zone Shunting

Your alarm specialist may have also opted for one or more interior zones to be "group shunted", that is, bypassed all at the same time. This group of zones is bypassed by simply pressing Key [S] twice prior to arming. The yellow SHUNT light will come on. Enter your user code to arm the remaining zones. The green STATUS light will go off and the red ARMED/MEMORY light will come on. When the panel is subsequently disarmed, all shunted zones will automatically revert back to active zones.

NOTE: The yellow SHUNT light will not come on if zones are auto-shunted.

Arming with Instant Protection

Pressing Key (4) will cancel both the exit and entry delays on the exit/entry zone upon arming. Use this feature when at home (as when retiring for the evening, for example) to sound an instant alarm on intrusion through the exit/entry door. To arm with instant protection, hold down Instant Alarm Key (4) until it beeps, then enter your code to arm the panel. (If Key (4) is pressed after the panel is armed, the yellow SHUNT light will flash rapidly to ARMED/MEMORY light will flash rapidly to remind you that you have armed with instant

alarm. Should someone open the exit/entry door, the alarm will sound immediately.

NOTE: When disarming the panel exit/entry delays will automatically be reinstated.

Panic Zone

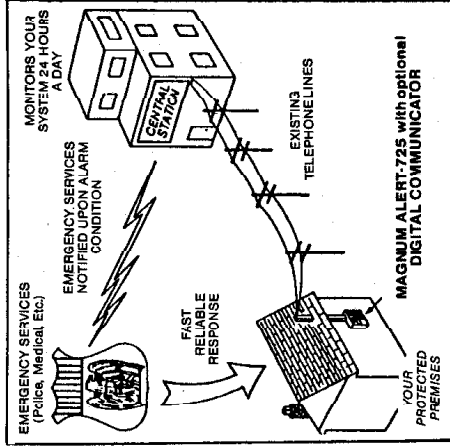
The Panic Zone is always active, whether your system is armed or not. To activate the Panic Zone, simultaneously press the two keys [+] and [#] on the keypad. The Panic Zone may be programmed to activate an audible alarm, to send a silent alarm to a central station (optional), or both.

NOTE: The [+] and [#] buttons must be pressed at the same time to activate the Panic Zone. If the Panic Zone is activated, no zone violation will be indicated at the keypad, but an alarm condition will be recorded by Alarm History (see Hold-Down Functions, Key [2]).



OPTIONAL DIGITAL COMMUNICATOR

Your Alarm Specialist may have programmed your security system to be monitored by a Central Station. Our optional digital communicator can transmit emergency signals to the Central Station 24 hours a day.



14



ALARM PLAN

	AREA PROTECTED	ZONE FEATURES	CONTACTS
1			
2			
3			
4			

ALARM SPECIALIST _____
 TELEPHONE NO. _____

EXIT TIME _____ SECONDS 15 ENTRY TIME _____ SECONDS