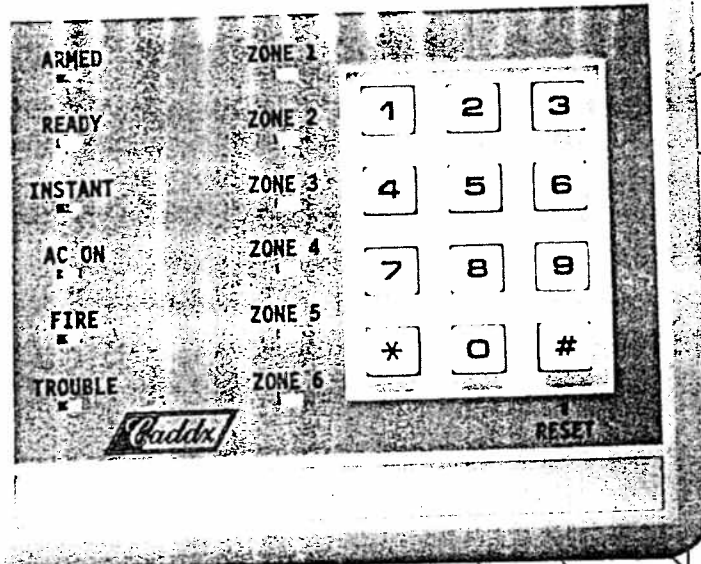
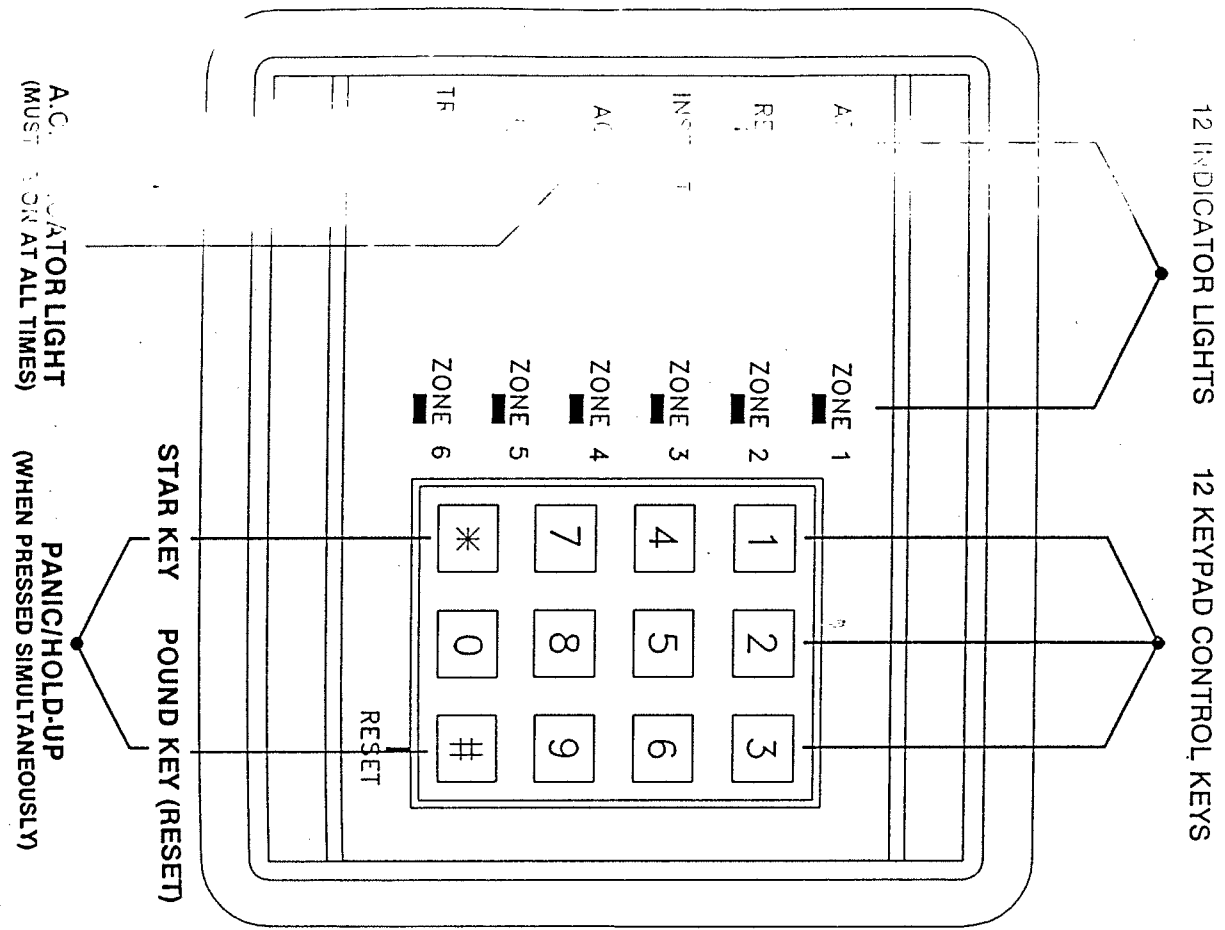


Ranger 8900



Operator's Manual

KEYPAD CONTROL



12 INDICATOR LIGHTS 12 KEYPAD CONTROL KEYS

A.C. (MUST BE ON AT ALL TIMES)
 PANIC/HOLD-UP (WHEN PRESSED SIMULTANEOUSLY)

STAR KEY POUND KEY (RESET)

Security System Configuration

Installing/Service Company: _____
 For Service Call: _____

Master Code: _____ "Quick Arm" Code: _____
 Auxiliary Code _____
 1. _____ 9. _____
 2. _____ 10. _____
 3. _____ 11. _____
 4. _____ 12. _____
 5. _____ 13. _____
 6. _____ 14. _____
 7. _____ 15. _____
 8. _____

Exit Delay Time _____
 Entry Delay Time _____
 Fire Alarm Sound _____, Pulsing Bell _____
 Burglar Alarm Sound _____, Yalp Siren _____, Steady Bell _____

Zone Coverage

ZONE 1: _____
 ZONE 2: _____
 ZONE 3: _____
 ZONE 4: _____
 ZONE 5: _____
 ZONE 6: _____

Emergency Phone Numbers

Fire Dept.: _____
 Police Dept.: _____
 Monitoring Center: _____

This manual is furnished to help you understand your security system and become proficient in its operation. All users of your security system should read and follow the instructions and precautions in this booklet. Failure to do so could result in the security system not working properly. This booklet should be kept in an accessible location for the life of the security system. If you do not understand any part of the manual you should notify your installing company and ask for that section of the manual to be explained fully.

The SECURITY CONTROL CENTER is turned on (ARMED) and off (DISARMED) by entering a 4 digit code into the Keypad Control, which is similar to a telephone keypad. The Keypad Control includes 12 indicator lights and a built-in electronic sounder. These provide specific information relating to the status of the security system which is described in this booklet. Understanding what the lights and sounds mean will help you to easily operate your system.

SO REMEMBER, READ THE ENTIRE MANUAL, AND, IF POSSIBLE, PRACTICE ON THE KEYPAD CONTROL WHILE YOUR PROFESSIONAL INSTALLER IS AT YOUR BUILDING. IF YOU HAVE ANY QUESTIONS ASK YOUR INSTALLING COMPANY.

PLEASE KEEP IN MIND THAT THE LEVEL OF SECURITY YOU WILL OBTAIN WITH THIS SYSTEM RELATES SPECIFICALLY TO TWO MAJOR FACTORS:

1. THE QUANTITY, QUALITY, AND PLACEMENT OF SECURITY DEVICES ATTACHED TO THIS SYSTEM.
2. THE KNOWLEDGE YOU HAVE OF THE SECURITY SYSTEM AND HOW THAT KNOWLEDGE IS UTILIZED IN A WEEKLY TEST OF THE COMPLETE SYSTEM.

YOU SHOULD BE AWARE OF THE FOLLOWING FACTS AND USE THEM WHEN PREPARING A SAFETY/SECURITY PLAN FOR YOUR HOME/BUSINESS.

- YOUR SECURITY SYSTEM IS AN ELECTRONIC DEVICE AND IS SUBJECT TO MALFUNCTION OR FAILURE. DO NOT RELY ON IT AS YOUR SINGLE SOURCE OF SECURITY.
- YOUR SYSTEM SHOULD BE TESTED WEEKLY.
- YOUR SYSTEM WILL NOT WORK WITHOUT POWER.
- WARNING DEVICES WILL NEED TO BE LOUD ENOUGH, WIRED CORRECTLY, AND PROPERLY PLACED TO PROVIDE NOTIFICATION OF AN ALARM EVENT.
- SMOKE AND HEAT DETECTORS MAY NOT DETECT FIRE AND SMOKE IN ALL SITUATIONS.
- USE QUALIFIED SECURITY PROFESSIONALS TO SELECT, INSTALL, AND MAINTAIN YOUR SECURITY SYSTEM.
- IT MAY BE POSSIBLE TO ARM THE SECURITY SYSTEM WITHOUT THE BACK-UP BATTERY CONNECTED. YOUR PERIODIC TEST SHOULD BE DONE WITH A.C. POWER REMOVED TO VERIFY THE BATTERY IS CONNECTED AND ADEQUATELY CHARGED.
- CARE SHOULD BE TAKEN TO PLUG-IN AND PROPERLY RESTRAIN THE A.C. TRANSFORMER AFTER TESTING.

PLEASE READ THE FOLLOWING INFORMATION AND INSTRUCTIONS COMPLETELY BEFORE OPERATING YOUR SECURITY CONTROL SYSTEM. IF YOU DO NOT UNDERSTAND ANY PORTION OF THIS MANUAL, OR IF YOU HAVE ANY QUESTIONS ABOUT YOUR SYSTEM, CONTACT THE INSTALLING COMPANY LISTED ON PAGE 1 OF THIS BOOKLET.

HOW TO ARM YOUR SECURITY SYSTEM

To turn the security system on, close all of the protected doors and windows. The green "READY" light on the Keypad Control will be illuminated when all the protected areas and sensors are secure. If any of the zones are bypassed, a sensor in that zone can be violated without affecting the "READY" light.

The Security System will not arm if the "READY" light is not illuminated. With the "READY" light on, you may arm the Security System with your Master Code or one of the Auxiliary Codes.

Each time a key is pressed on the Keypad Control, a short tone (beep) will sound. If the Keypad Control sounds (beeps) three (3) times after code entry, it is an indication that the code has not been accepted. Press the reset [R] key and re-enter a valid code.

If the Keypad Control sounds (beeps) continuously after code entry it is an indication that either the A.C. power light is off, or the Fire or Trouble light is illuminated. The keypad sounder can be silenced by re-entering your 4 digit code. You should then press the pound [#] key (reset) to turn the Fire or Trouble light out. If the A.C. power light is out you should restore power if possible. If you are unable to correct the above conditions contact the installing company listed on page 1 of this booklet for service.

When the Security System has accepted a valid code, the red "ARMED" light will illuminate, indicating that the system has been turned on. If you choose to leave the protected area, you must exit through the pre-designated ENTRY/EXIT doors. If you remain inside the protected area, insure that all interior zones which may be tripped by your movement are bypassed.

AUTOMATIC "INSTANT" ARMING

If the "instant" option has been selected by your installing company, you may arm your security system and not exit through a normal entry/exit door, remaining inside. When this occurs, all interior zones are automatically bypassed. (This allows freedom of movement within the home/business while the security system is armed) and all assigned exit delay zones become instant (will cause an instant alarm signal if opened). The red "INSTANT" light on the Keypad Control will be illuminated at the end of the delay time to indicate that the "instant" mode has been activated. The entry delay can be activated or deactivated by pressing the [*] key. If any protected perimeter door or window is opened, the security system will sound and report (if so programmed) immediately. The Security System is disarmed in a normal fashion by entering a valid four digit code.

HOW TO DISARM YOUR SECURITY SYSTEM

When you enter the protected area through one of the designated entry/exit doors, the Keypad Control will sound a continuous tone (beep) for the duration of the entry delay time or until you enter a valid code. The red "ARMED" light will then go out and the tone will stop. The security system is now disarmed. (NOTE: IF THE RED "ARMED" LIGHT IS FLASHING AT ENTRY, THE ALARM HAS BEEN ACTIVATED IN YOUR ABSENCE. LEAVE THE BUILDING IMMEDIATELY AND CALL YOUR ALARM COMPANY AND/OR THE POLICE FROM A SAFE LOCATION.)

HOW TO BYPASS SECURITY SYSTEM ZONES 1-6

To bypass any of the zones 1-6, disarm the control and press star [*], zone NUMBER(S) to be bypassed, and star [*]. Zones cannot be bypassed if the control is armed. When the Security System is disarmed, all bypassed zones will clear to the normal status. As bypassed zones are unprotected, this procedure should not be given to unauthorized persons.

MANUAL PANIC/HOLD-UP ALARM

When the star [*] and pound [#] keys are pressed at the same time for one (1) second, the local audible alarm will sound. If your system is connected to a monitoring center, an emergency report could be transmitted to that center. These keys should only be pressed in an emergency situation requiring immediate response by law enforcement personnel.

PLEASE NOTE! Some Panic/Hold-up alarms are programmed to be silent at the protected building while reporting an alarm to the monitoring center. Check with your installing company to determine how your Security System will respond to the Panic/Hold-up input.

MANUAL FIRE ALARM

If the "Manual Fire" option has been selected by your installing company, you can activate the steady siren or pulsing bell by pressing the one [1] and three [3] keys at the same time for one (1) second. If your system is connected to a monitoring center, an emergency report could be reported to that center. These keys should only be pressed in an emergency situation requiring response by fire department personnel.

FIRE ZONE TROUBLE

If the red "TROUBLE" light becomes illuminated, it is an indication of a technical problem with the Fire Zone. Enter a valid code to silence the keypad sounder (beeper) and press the RESET [#] key. If the "TROUBLE" light does not go out after 10 seconds, you should call the service phone number listed on page 1 of this booklet.

FIRE ZONE

Your Security System has a "Fire" zone which can be used for fire detection (when connected to a Smoke/Heat detector) in certain jurisdictions. When utilized as a fire system and the audible fire alarm sound, it is recommended that you follow your emergency evacuation plans. (see page 9 of this booklet for assistance in formulating an evacuation plan.)

To silence the audible fire alarm, enter a valid code. To reset the smoke detector press the "RESET" [F] key. After 10 seconds the "Fire" light and the light on the affected Smoke detector should turn off. If you are unable to reset the fire system after the smoke detector chamber has been cleared of smoke, you should immediately call the service phone number listed on page 1 of this booklet.

TESTING YOUR SECURITY SYSTEM

There are several tests you should perform on a periodic basis (at least once a week) to insure that your Security System is functioning properly.

- Enact the "Door Chime" feature and open all protected windows and doors. The Keypad Control should sound (beep) for each device and the appropriate yellow or red light should blink.
- Walk into all areas protected by motion detection devices while someone observes the Keypad Control. The appropriate yellow zone light should blink and each sensor tested.
- If your "Fire" zone is used as a Fire detection system, the Smoke or Heat detector should be tested at least monthly. If your Security System is monitored by a Central Monitoring Station, always call beforehand to let them know that you are about to conduct a test of the fire detection system. Always call after the test to ask for results and to put your fire detection system back into service.
- If the "Siren/Bell" test option has been selected by your installing company, you may activate the siren/bell by pressing the one [1] and seven [7] keys at the same time for one second. To silence the siren/bell enter your 4 digit master or auxiliary code.

IF ANY OF THE ABOVE TESTS ARE NOT SUCCESSFUL OR THE RESULTS ARE UNCLEAR, CONTACT YOUR SERVICE COMPANY AT THE PHONE NUMBER LISTED ON PAGE 1 OF THIS BOOKLET.

PROGRAMMING ACCESS CODES

The Security System can be armed and disarmed by the Master Code (User Code #1) and up to fourteen (14) Auxiliary Codes. All codes must have four (4) digits. These Auxiliary codes are individually numbered from 2 to 15. If Auxiliary Codes are desired, they must be programmed individually. Only persons knowing the Master Code (User Code #1) can assign or change Auxiliary codes. (See programming Auxiliary codes below).

CHANGING THE MASTER CODE - The Master Code is user code #1 and must be programmed by referring to its code number. For example, if the Master Code is [1][2][3][4] and you want to change it to [5][3][4][2], the sequence would be as follows: Press [*][1][#], (This enters programming for user code #1) then [1][2][3][4] (old Master Code). Press [*][1][#], verifying that user code #1 is being changed, then new code [5][3][4][2]. Now end this sequence by pressing [*][1][#] to exit programming.

The entire sequence would consist of pressing 17 keys as follows:

[*][1][#] - [1][2][3][4] - [*][1][#] - [5][3][4][2] - [*][1][#]

PROGRAMMING AUXILIARY CODES - In order to program Auxiliary Codes you must know the Master Code. As stated earlier, each Auxiliary Code has its own code number from 2 to 15 and must be referred to by that number. It is programmed like the Master Code. For example, to program Auxiliary Code #2 the sequence would be as follows:

[*][2][#] - [5][3][4][2] - [*][2][#] - [] [] [] [] - [*][2][#]
(New Code)

REMOVING AUXILIARY CODES - To remove an Auxiliary Code simply program it like the Master Code. For example, to remove user code #2, the sequence would be as follows:

[*][2][#] - [5][3][4][2] - [*][2][#] - [5][3][4][2] - [*][2][#]

User code #2 has now been eliminated.

PROGRAMMING DURESS CODE - If your Security System has been designed to include a "Duress" option, the #15 code can be programmed to send a special code to the central monitoring station when you are forced to arm or disarm your Security System against your will. If this option is not selected by your installation company, the #15 code may be used as a standard Auxiliary code to arm and disarm the Security System. As with Auxiliary Codes 2 through 14, the Duress/Arm-Disarm Code must be re-entered if the Master Code is changed.

"QUICK-ARM" FEATURE

Your security system may have a "Quick-Arm" Code programmed. If so, this feature will allow you to arm the Security System by pressing one pre-designated key on the keypad. This "Quick-Arm" code is for Arming Only and will not disarm the Security System. This makes it ideal for a maid code, babysitter code, etc. This code can only be programmed and changed by your installing company.

AUDIBLE ALARM SOUNDS

- Fire: Steady siren or pulsing bell
- INTRUSION & PANIC/HOLD-UP: Yelp siren or steady bell (when programmed with with Audible capability)

KEYPAD CONTROL LIGHT INDICATORS

- ARMED - (red) On when system is armed; off otherwise. Blinks as alarm memory if alarm was activated during the current arming cycle.
- READY - (green) On when zones 1 through 6 are good or bypassed and the system is ready to arm; off otherwise.
- INSTANT - (red) On when the entry/exit zones are instant; off otherwise.
- AC ON - (red) On when AC power is on; off otherwise.
- FIRE - (red) On when a smoke or heat detector is activated; is reset by pressing the reset [#] key; off otherwise.
- TROUBLE - (red) On when the Fire Zone has a technical problem; is reset by pressing the RESET [#] key; off otherwise.
- ZONES 1 - 6 - (yellow) On when bypassed; blinking when faulted; off otherwise.

KEYPAD CONTROL TONES (BEEPS)

The sounder is built into the keypad and will sound for the following reasons:

- Beeps for all key presses.
- Sounds continuously during entry delay.
- Pulses when a day zone is violated, a Fire trouble occurs, or when the armed status changes and the Fire and/or Fire Trouble light is on or when the "AC ON" light is off. When pulsing, it can be silenced by entering a valid code. (The armed state of your Security System will not change when a valid code is entered to silence the keypad sounder.)
- 3 Beeps for trying to arm when a faulted zone is not bypassed.
- Beeps 1 second for Door Chime and when this feature is activated or deactivated.
- 3 Beeps when errors are made reprogramming codes.
- Beeps 1 second at the end of the exit delay.

Your Security Control Center will operate in the "DOOR CHIME" mode to allow the monitoring of selected perimeter doors and windows and designated interior areas while the Security System is not armed.

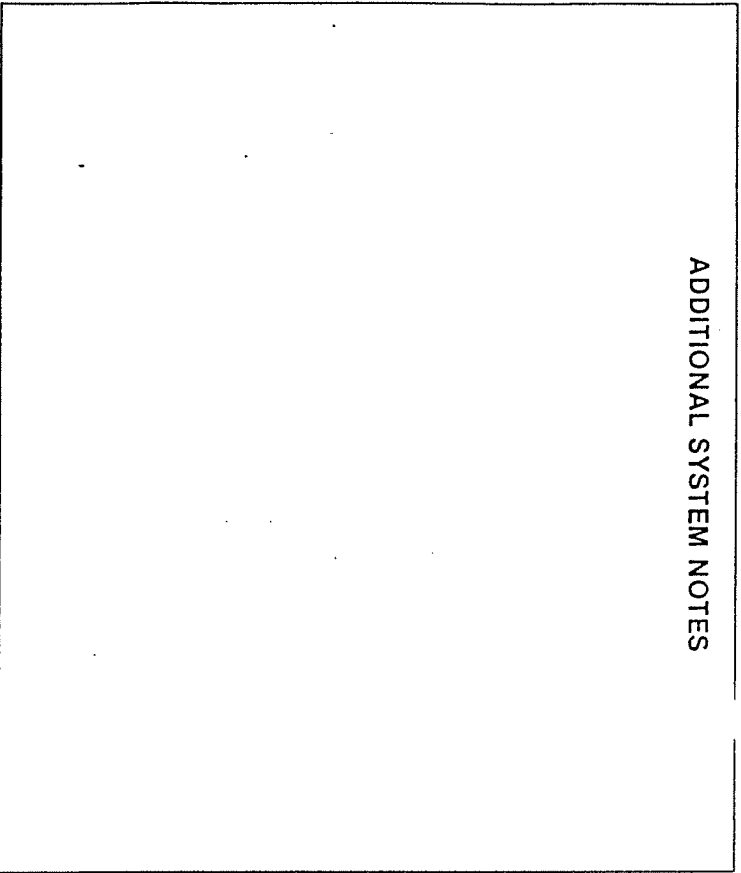
While in the "Door Chime mode", the opening of perimeter doors or windows, or a violation of designated interior areas will cause the Keypad Control to sound (beep) for one second.

To use this feature, press the first digit of the Master Code. In five seconds the Keypad Control will sound (beep) indicating that this feature has been enabled. To turn this feature off, press the first digit of the Master Code. In five seconds the Keypad Control will sound (beep), indicating that this feature has been turned off.

RESETTING YOUR SECURITY CONTROL CENTER

In the event of a system malfunction in the Security Control Center, press the reset key [#] located on the Keypad Control for one (1) second. This should reset the code sequence and restore normal operation. If the problem persists, call the service number located on page 1 of this booklet for service.

ADDITIONAL SYSTEM NOTES



An emergency evacuation plan should be established for an actual fire alarm condition. For example, the following steps are recommended by the National Fire Protection Association and can be used as a guide in establishing an evacuation plan for your building.

Draw up a floor plan of your home. Show windows, doors, stairs, and rooftops that can be used for escape. Indicate each occupant's escape routes. Always keep these routes free from obstruction.

Determine two means of escape from each room. One will be the normal exit from the building. The other may be a window that opens easily. An escape ladder may have to be located near the window if there is a long drop to the ground below.

Set a meeting place outdoors for a headcount of the building occupants.

Practice escape procedures. In a home, sleep with bedroom door closed; this will increase your escape time. If you suspect fire, test the door for heat. If you think it is safe, brace your shoulder against the door and open it cautiously. Be ready to slam the door if smoke or heat rush in. Practice escaping to the outdoors and meeting in an assigned spot. Call the Fire Department from a neighbor's phone.

NOTE: After the installation of your Security System has been completed, notify your local Fire and Police Departments to give them your name and address for their records. Early warning fire detection is best achieved by the installation of fire detection equipment in all rooms.

This equipment should be installed in accordance with the National Fire Protection Association's Standard 74. For additional information write the National Fire Protection Association, Batterymarch Park, Quincy, MA 02269.

The following are examples of evacuation plans. A plan unique to your home or business should be drawn and memorized by each occupant.

