



# **Ranger 9060E LCD**

## **English Language Keypad**

**9060 USER'S MANUAL**  
**9060EUA97 REV A (6/25/97)**

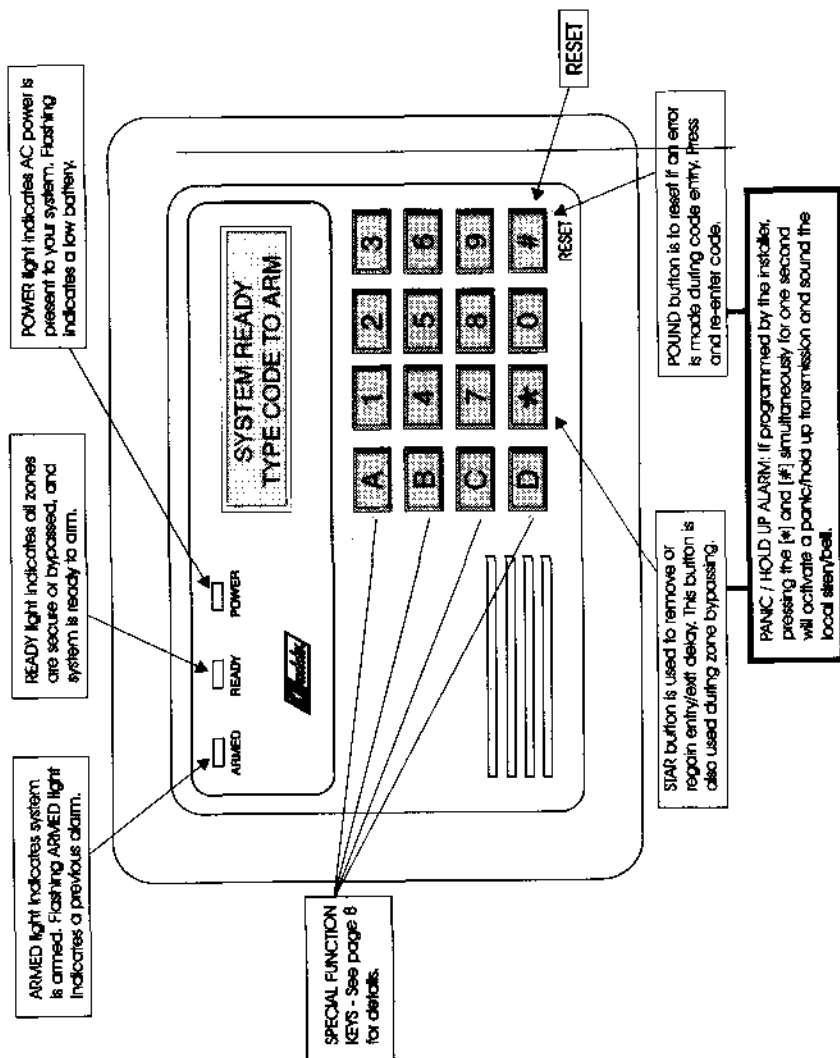
# **RANGER 9060E LCD ENGLISH LANGUAGE KEYPAD**

## **Table of Contents**

1. LCD Keypad Diagram . . . . .	2
2. Introduction . . . . .	3
3. Understanding Your LCD Keypad . . . . .	4-7
4. Changing User Codes . . . . .	8-9
5. Special Function Keys . . . . .	10
6. Viewing The Custom Zone Descriptions . . . . .	11
7. Partitioned Systems Operation . . . . .	11
8. Setting The Internal Clock . . . . .	12
9. Viewing The Internal Log . . . . .	12
10. Master Mode Operation . . . . .	13-15

**CADDX CONTROLS, INC.**

## KEYPAD DIAGRAM



## INTRODUCTION

Congratulations! You have just purchased one of the most advanced Liquid Crystal Display Keypads in the world. Your RANGER 9060E Custom English Language Keypad was designed and manufactured in the USA by CADDX CONTROLS, INC., a name respected throughout the world for quality security equipment. When you see the name CADDX, you can be assured that this keypad has passed the most demanding quality and performance standards in the industry.

This manual is furnished to help you understand your English Language Keypad and become proficient in its operation. But first, you should read the Security System Operator's Manual which pertains to the general operation your security system. You must understand how your security system is intended to work before you can understand the operation of this keypad. The most important thing you should do before attempting to operate your security system is to read both manuals completely. Make sure you understand the operation of your security system and its keypads before attempting to use your system. This booklet should be kept in an accessible location for the life of your security system.

If you have any questions about the operation of this keypad, or any other question in regard to your security system, you should call the company that installed your security system.



## UNDERSTANDING YOUR ENGLISH LANGUAGE KEYPAD

To Arm the security system, close all of the protected doors and windows. The green "READY" light on the keypad control will be illuminated when all of the protected zones and sensors are secure and the LCD screen will display the following message:



SYSTEM READY  
TYPE CODE TO ARM

When the message above is displayed, your security system is ready to be "ARMED" by entering your personal 4-digit code. If your code is 1-2-3-4,

Press:  

Now your LCD screen should display the following message:



SYSTEM ARMED  
ALL ZONES SECURE

When your LCD keypad displays the message above, you have the ability to eliminate the Entry Delay Time from your designated Entry door(s) by pressing the [\*] key. The keypad LCD screen will now display the following message:



SYSTEM ARMED  
INSTANT

If the message above is displayed, you will retain your EXIT delay time, but all doors that have been assigned an ENTRY delay time **WILL NOT** have their delay, but will be instant like the other INSTANT type zones in your system. The "INSTANT" feature can be turned off by pressing the [\*] key again, which will remove the "INSTANT" message on the LCD screen meaning an Entry Delay is now present, and the opening of a designated Entry/Exit door will start an Entry Delay Tone from the keypad sounder. During this time, you must enter your personal 4-digit code which will disarm your system and silence the keypad sounder.

If the green "READY" light on your keypad is not illuminated, the screen on your LCD keypad will display the following message:



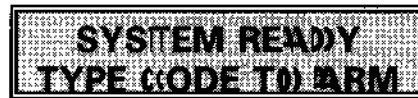
SYSTEM NOT READY  
TYPE/A FOR HELP

When the message above is displayed, press the [A] button on the keypad and the LCD screen will display a message similar to the one below indicating which zones are not ready to Arm. If more than one zone is faulted, the LCD screen will automatically scroll through all of the faulted zones showing those that are not ready to arm. To quickly scroll through the faulted zones, press the [A] button repeatedly.



16 FAULTED  
GARAGE DOOR

If you choose to bypass the zones that are faulted and arm your system without these areas of protection, you can do so from the screen above. To bypass while viewing the screen above, simply press the [\*] button, the zone number (01, 02, 03, 09, 12, 16, etc.), and press the [\*] button again (You can also follow the bypass procedure described in your standard Operators Manual). Now the green "READY" light should be illuminated, and the LCD screen will alternate between the following two messages:



SYSTEM READY  
TYPE CODE TO ARM

TO



05 ZONES BYPASS  
TYPE/A FOR HELP

The top line of the message above, "05 ZONES BYPASS", refers to the number (quantity) of zones bypassed, NOT the zone numbers that are bypassed. Type [A] for the location/description of these five bypassed zones.

When you Arm your system with the previous messages showing the system is "READY TO ARM" with "ZONES BYPASSED", the LCD screen will then alternate between the following two screens:

**SYSTEM ARMED**

TO

**05 ZONES BYPASS  
TYPE A FOR HELP**

Once zones are bypassed, any sensors in those zones can be violated without affecting the status of your security system.

When the message below appears on the screen of your LCD keypad, it is an indication that a "FIRE" zone has been faulted.

**FIRE  
PRESS A FOR HELP**

From the screen above, the first thing you should do is press the [A] button to see which zone created this condition. Then, you can press the [#] button to reset the "FIRE" zone that has been faulted. NOTE: Your system must be disarmed for reset to occur. Reset takes approximately 15 seconds.

When the message below appears on the screen of your LCD keypad, it is an indication that a "TROUBLE" condition exist with your "FIRE" zone(s).

**FIRE TROUBLE  
PRESS A FOR HELP**

From the screen above, the first thing you should do is press the [A] button to see which zone created this condition. Then, press the [#] button to reset. If the "FIRE TROUBLE" message does not reset within 15 seconds after pressing the [#] button, call your security installation company immediately and report this condition.

When the message below appears on the screen of your LCD keypad, it is an indication that the telephone line that your security system depends on for reporting alarms is not functioning, and therefore cannot report alarms to the monitoring station.

**PHONE TROUBLE**

When the message below appears on the screen of your LCD keypad, it is an indication that an alarm has previously occurred. Press the [A] button to review the zone(s) that created the previous alarm. Press [#] to exit.

**PREVIOUS ALARM  
TYPE A FOR HELP**

When the message below appears on the screen of your LCD keypad, it is an indication that the digital dialer in the control panel attempted to communicate to the Central Monitoring Station but was unsuccessful in the connection attempt.

**FAILURE TO  
COMMUNICATE**

When the message below appears on the screen of your LCD keypad, it is an indication that the A.C. power source that your security system depends on has been turned off. Under this condition the POWER LED will extinguish.

**AC POWER FAILURE**

When the message below appears on the screen of your LCD keypad, it is an indication that your systems' backup battery has insufficient power to backup your system. Under this condition, the POWER LED will flash.

**LOW BATTERY**

If your security system has any wireless points (sensors) of protection, and the message below appears, it is an indication that at least one of these wireless points is experiencing one or more of the following conditions: has been faulted, has been tampered with, has a low battery, has lost contact with the security control.

POINT FAULTED  
TMPR LOBAT LOST

## CHANGING USER CODES FROM THE LCD KEYPAD

Your security system could have up to 30 individual user codes (see your Operator's Manual for the number of codes in your system). These codes are individually numbered from 01 to 30 (maximum number depends on your system). To change user codes of your security system from the LCD keypad, make sure the system is disarmed, and follow the procedure described below.

To change a user code, press the [C] button, followed by the user number (User 01 through User 30) you wish to change. Then enter the Master Code to show you are authorized, and follow by the new code that you wish to program. For the following example, let's assume the Master Code is 1-2-3-4 and we want to enter a new code for user #05 as 5-5-5-5.

Press:   the screen will now display the following message.

CHANGE CODE  
ENTER USER #

The display now asks for the User # (01 through 30) that you wish to change.

Press:    for user #05 and the screen will display:





ENTER 4-DIGIT  
CODE

The display now asks for the Master Code, for authorization to change codes.

Press:      and the screen will display:

ENTER NEW USER  
05 CODE

The display is now asking for what the new code for user #5 is to be.

Press:     

The display will now show that it has accepted the new code for user #5.

PROGRAMMING USER  
05 CODE 5555

This process is now complete, and the code of 5-5-5-5 is a valid arm/disarm code identified by the system as User #05.

**NOTE:** If your system is the Ranger 9000 or 9000E, code changes can be authorized by using the old code in lieu of the Master code. This allows users to change their own code without knowledge of the Master Code. Also, if you inadvertently try to enter a new code that is already in the system as another users' code, these panels will not accept it, and the above message will not appear.

## SPECIAL FUNCTIONS KEYS

The following section describes some special functions that can be performed with the 9060E LCD keypad. With the more powerful and versatile 9060E keypad, some of these functions are accessed with the four special function keys on the left side of the number keys. These keys, labeled [A], [B], [C], and [D], are described below:

**A**

The [A] key serves as a "Help" key. It only functions when the LCD display shows the message, "TYPE A FOR HELP". Multiple messages will be displayed in sequence every 3 seconds, or will scroll with no delay each time the [A] key is pressed.

**B**

The [B] key adjusts the brightness of the LCD backlighting to levels 1-6, with 6 as the brightest. The factory setting is 6. To turn off only the LCD backlighting, press [B][8]. To turn off only the "ARMED", "STATUS", and "POWER" lights, press [B][9]. To turn off all lights, press [B][0]. All lights will return to the "ON" mode when the [#] key is pressed, or when an alarm condition, a fire or trouble condition, or a pre-alarm occurs.

**C**

The [C] key is used to quickly program auxiliary codes in the run mode. The display asks for User number, Master Code, and new Auxiliary Code before automatically programming this information into the Ranger Control. NOTE! This function can only be used when the Ranger Control is disarmed.

**D**

The [D] key adjusts the LCD screen viewing angle for various heights by pressing [D] and a number [1] through [3]. The lowest viewing angle is 3 and the highest is 1. The factory setting is 3. The [D] key also causes the LCD screen to display Alarm Memory when [D][0] is pressed. Faulted and/or bypassed zones from the last 12 alarms will be displayed beginning with the most recent alarm which is Alarm Memory #01. Pressing the [A] button will scroll through the entire Alarm Memory process one event at a time. Exit this mode at any time by pressing the [#] button.

**NOTE!** After pressing keys [B], [C], or [D], the display will revert back to the standard message if no additional keypresses are made within 10 seconds. To escape any of the special function modes and return to the standard message screen, press the [#] key.

## VIEWING CUSTOM ZONE DESCRIPTIONS

Your LCD keypad may have been programmed with Custom Zone Descriptions by the installation company. This feature personalizes your LCD keypad for your system needs. This allows your LCD keypad screen to display zone descriptions such as "MASTER BEDROOM", rather than a generic description like "ZONE 12". It is possible to view these Custom Zone Descriptions that have been programmed into your LCD keypad by following the procedure below.

Press:  **D** **A** and the screen will display:







At this time, you can either enter the zone number where you wish to begin the viewing process, or press the [A] button which will begin this process at zone 1. Continue pressing the [A] button to advance through the Custom Zone Descriptions one at a time. If you choose to exit this mode before all descriptions have been viewed, press the [#] button.

## PARTITIONED SYSTEMS OPERATION

If your system is a Ranger 9000 or 9000E, you may have a multi-partitioned system. If your keypad resides in one partition of a multi-partitioned system, your keypad will provide the status of the zones in your partition using the screen messages described earlier in this manual. However, you may temporarily access the Master Mode as described later in this manual by pressing [C] [A], followed by your 4-digit code. The Master Mode of operation allows you to temporarily access any partition (providing your code is authorized) within the system and perform functions in other partitions. Read this entire manual to help you understand the different screen messages that will be displayed from your LCD keypad.

## SETTING THE INTERNAL CLOCK

If your system is the Ranger 9000 or 9000E, it has an internal clock that is used for various functions that your security system may need to perform. Therefore, it is important to have this clock set to the correct time and date. To set the clock, follow the procedure below.

Press:     and the screen will display:




Enter the 4-digit Master Code, and the screen will display the **DAY OF WEEK** (Sun = 1 thru Sat = 7). Set the **DAY OF WEEK**, or press the [#] button to advance to the **MONTH / DAY / YEAR**. Set the **MONTH / DAY / YEAR**, or press the [#] button to advance to the **TIME**. After setting the time (military time), press the [#] to exit, or automatic exit will occur after 20 seconds.

**NOTE: ANYTIME THERE IS A POWER OUTAGE, THE CLOCK WILL LOSE ITS SETTING AND MUST BE RESET.**

## VIEWING THE INTERNAL LOG

If your system is a Ranger 9000 or 9000E, it has an internal event log. Follow the procedure below to view the events stored in the internal event log.

Press     and the screen will display:



Enter the 4-digit Master Code and the display message will prompt you for **MONTH / DATE**. If you want to view the information from a particular date, enter the date to start, or press the [A] button to start with the most current event. Continue pressing the [A] button to go through the entire log. You can exit the **VIEW LOG** mode at anytime by pressing the [#] button.

## MASTER MODE OPERATION

The Master Mode is used for applications where the user needs access to more than one partition(area). With an LCD keypad in the Master Mode, users will have the ability to share one keypad for a multi-partitioned system. In this mode, users can easily Arm/Disarm multiple Areas, perform the different 2-button emergency activations ( Panic, Fire, & Medic), and activate the 2-button Bell Test. To perform all other system functions in the different Areas, you must enter the "CHECK" mode (described later in this section) for each Area. The keypad will then act as though it resides in that Area, meaning the LED's and the LCD screen messages pertain only to the Area that you have selected. Once in the "CHECK" mode of a particular Area, users can perform all other security functions available in that Area of the system. Before beginning this section, you should read the preceding sections of this manual to learn the most common messages that will be displayed from the LCD keypad.

### *Helpful Facts About The Master Mode*

1. User code authorization levels were programmed by the security installation company.
2. The LCD keypad can control any or all Areas, providing the users' access code has been authorized for use in those Areas.
3. In the "MASTER" mode, all audible sounds, LED's, and LCD displays reflect a system wide (all areas) condition.
4. In the "CHECK" mode, all audible sounds, LED's, and LCD displays reflect the condition of the Area that was selected to check.
5. You must enter the "CHECK" mode of a particular Area in order to perform functions like checking faulted zones in that area, bypassing zones in that area, turning on the chime feature, resetting FIRE zones, etc.
6. You can exit the "CHECK" mode by pressing [C][A], or the keypad will automatically exit this mode 20 seconds after the last keypress.
7. The READY LED will only be illuminated if all Areas are Ready.
8. The ARMED LED will only be illuminated if all Areas are Armed.
9. The [#] button is used as the **Escape** button, and will exit screen messages.



In the Master Mode, the message displayed below means that all Areas are secure and READY TO ARM. At this time, the green READY LED should be illuminated.

**SYSTEM READY  
TYPE CODE TO ARM**

In the Master Mode, the message displayed below means that AREAS 1, 2, 3, and 4, are ARMED. At this time, the red ARMED LED should be illuminated.

**AREA 1234  
ARMED**

To Arm or Disarm your system from the screens above, enter your four digit code. A screen message similar to the one below will appear. This message will show you what Areas the four digit code you entered has access to. In this case, your code shows to be authorized in four Areas, so pressing the [A] button (A=ALL ON) will Arm Areas 1, 2, 3, and 4, or pressing the [D] button (D=ALL OFF) will Disarm these Areas. If you press the [A] button and one of these Areas is not ready, the screen will display the "AREA NOT READY", message followed the zone status of that Area. To exit this screen, press the [#] button..

**SELECT AREA 1234  
A=ALLON D=ALLOFF**

From the screen above, you may choose to access just one particular Area. If so, you would enter the number that corresponds to the Area that you wish to access. Example: If you press [1], the screen below will appear noting the keypad is accessing AREA #1.

**AREA 1 OFF A=ON  
C=CHECK B=NEXT**

The preceding screen shows that AREA #1 is OFF (Disarmed). To Arm this Area, simply press the [A] button (A=ON). If AREA #1 had shown to be ON (Armed), then D=OFF would have been displayed, meaning you would press [D] to turn AREA #1 off(Disarm). At this time, the keypad sounder and LED's will refer to Area #1 only.

Press the [C] button to enter the "CHECK" mode and the keypad will act as though it resides in AREA #1. The keypad LED's and LCD messages would now pertain only to AREA #1. NOTE: You can exit the "CHECK" mode by pressing [C] [A]. At this time, the keypad sounder and LED's will refer to Area #2 only.

Pressing the [B] button will advance the keypad to the next authorized Area which in this case would be AREA #2, and display the message below .

**AREA 2 OFF A=ON  
C=CHECK B=NEXT**

Since AREA #2 shows to be OFF (Disarmed) pressing the [A] button will Arm this area and the screen will display the message below.

**AREA 2  
ARMED**

The message below indicates a FIRE alarm has occurred in Area 1. Enter the CHECK mode for AREA #1 and press the [A] button to find out which zone created this condition. Then, press the [#] button to reset the FIRE zone that has faulted. NOTE: It takes approximately 15 seconds to reset this condition.

**FIRE  
AREA 1**

The message below indicates a TROUBLE condition with the FIRE zone(s) in AREA #2. Enter the CHECK mode for AREA #2 and press the [A] button to find out which zone created this condition. Then, press the [#] button to reset the FIRE TROUBLE condition. If this condition does not reset after approximately 15 seconds, call your security installation company and report this condition immediately.

**FIRE TROUBLE  
AREA 1**