SK1L
LCD KEYPAD
Owner's Manual

use with
SC800 & SC1600 Control panels

IT IS IMPORTANT FOR YOUR SAFETY TO TEST YOUR SYSTEM AND IT'S COMPONENTS REGULARLY.

ARROWHEAD
A PRODUCT OF KENTRO, INC

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**General Description**

The SK1L is a digital arming station that provides full system control and displays full system status from one or more convenient locations. A brief description of the functions of each light and the LCD display is shown in Figure 1. Additionally, built into each SK1L is a miniature sounding device which, when active, indicates various conditions such as a Pre-Alarm Warning, Fault Condition, Test Modes of operation, or Door Annunciation.

Your keypad has the added convenience of additional access codes. These secondary codes are designed to provide access to a maid or other service persons for whom you want to grant entry. Obviously, they can also be used in any other way that you desire.

Arming, disarming, bypassing zones, etc., can be accomplished using any of the codes. In order to change codes from the keypad, use of the primary access code is required. Access codes can be changed from the keypad and must have 4 digits.

*IT IS IMPORTANT FOR YOUR SAFETY THAT YOU TEST YOUR SYSTEM REGULARLY.*

**Operating Instructions**

Paragraphs that are indicated by a refer to options that may or may not apply to your system. Those which your installer has marked with an “x” should be read as they contain information which pertains to your system. The material in this publication is for information purposes only and is subject to change without notice. SENTROL, INC., assumes no responsibility for any error which may appear in this publication.
System Configuration

This page should be marked by your installer at the time of installation to define the Panel that was installed, and the options that were programmed.

- **Smoke detector reset from keypad**
- **Duress from keypad**
- **Silent alarm from keypad**
- **Audible alarm from keypad**
- **Fire alarm from keypad**
- **Partitioned mode**
- **Abbreviated arming**
- **Opening and closing by user**
- **Group 1 bypass zones**
- **Group 2 bypass zones**
- **Chime zones**

Figure 1
To Disarm your system (assume Access Code 1234), enter your Access Code, key sequence as follows:

\[ \text{[Your Access Code]} \ 
\text{+} \ 
\text{6} \ 
\text{#} \]

If you disarm your system, the armed light (RED) is off and the LCD display will show READY if all zones are secure, or NOT READY if one or more zones are not secure. If you silence the system after being in ALARM the LCD display will show the zone description of the zone that was in alarm. This is called ALARM MEMORY. It will be cleared the next time the system is ARMED. The 24 Hour zones will remain on all the time and they can be displayed by using System Directory command code: \[ \text{[Your Access Code]} \ 
\text{*} \ 
\text{6} \ 
\text{#} \]
RECOMMENDATION:

If, when arriving home, the burglar alarm is sounding, contact police from a nearby location. DO NOT ENTER YOUR RESIDENCE.

Arming System with Ready Light On or Off

If the READY light is on, all zones may be armed by entering your Access Code, using the key sequence in Figure 3. If the READY light is not on you must either go and close the door or window that is open or BYPASS the zone and eliminate it from the system for this ARMING. When the READY light is not on the display will show VIOLATED and scroll through the zone descriptions of the zones that are not ready.

Figure 3

```
[ YOUR ACCESS CODE ] + [#]
```

Your system is now armed.
The armed light is on and the display shows ARMED.

Zone Bypass with Ready Light One or Off

If the ready light is off the display will show VIOLATED and the description of the zone that is open will be scrolling through the display. Let us assume that the zone 3 "FRONT BEDROOM" window is open. The zone 3 description "FRONT BEDROOM" will be in the display. Entering the Access Code will not arm the system because the zone 3 window is open. Suppose that the window is intentionally left open to allow some air circulation and the rest of the zones are to be armed. To bypass a zone, enter your access code, then enter the number of the zone to be bypassed (in this case “3”), enter key sequence as follows:

Figure 4

```
[ YOUR ACCESS CODE ] + [ 3 ] + [#]
```
All the other burglary zones except zone 3 will ARM and the display will show ARMED. Zone 3 is now deactivated. If the window is closed and opened again, an alarm condition will not result, as this zone will be bypassed until the system is disarmed and rearmed. When the system is disarmed the bypass is removed.

**Zone Bypass (cont'd)**

Bypassing zones with zone numbers higher than 9 require the use of the "Two Digit" key pair prior to inputting the zone number. In the following example zone 13 will be bypassed:

**Figure 5**

```
[ACCESS CODE] + 12 + 3 + #
```

**Group Bypass**

Instead of bypassing zones individually, your installer may have assigned several zones together to be bypassed all at one time. An example would be turning off all the interior zones of the premises allowing movement, while still protecting the perimeter.

The SC series control panels have 2 bypass groups which can be programmed and used separately.

Example: Interior zones 2, 3 and 4 have been assigned as GROUP BYPASS #1. To bypass zones 2, 3 and 4 enter the following key sequence:

**Figure 6**

```
[ACCESS CODE] + * + 1 + #
```

Zones 2, 3, and 4 will BYPASS but the other zones will ARM. This is a very easy way of arming a part of the system all at one time. The display will show ARMED. To bypass the zones programmed to group 2 use the following sequence:
Instant/Delay Mode

The system will normally arm in the Delay Mode when leaving the premises. This will delay arming, allowing time to exit. When entering, the alarm will be delayed allowing time to disarm the system. The audible warning device will sound during the entrance delay reminding you to disarm the system.

The Instant Mode is primarily used in residences. It is used during sleeping hours when an entrance delay is not wanted. If the Instant Mode is desired, enter the key sequence as follows:

**Figure 8**

```
[ YOUR ACCESS CODE ] + * + 2 + #
```

The LCD display will show ARMED INSTANT.

Panel Test Mode

Your alarm system and its associated components (intrusion detectors, smoke detectors, etc.) should be tested periodically. You can test these devices yourself using the panel test mode. While in test mode the keypad beeps continuously to tell you it is in test mode but it will not send any alarm signals to the Monitoring Center. As you go through the system tripping the zones you will get a short ring of the bell to let you know when a zone is violated. Entry and exit delays are shortened to 4 secs during the test. After you have tripped all the zones and returned to the keypad you will find all of the zones that responded in ALARM MEMORY. In this way you can quickly test your system using only one person and then verify that all zones worked when you return to the keypad.

If the Panel Test Mode is desired enter key sequence as follows:

**Figure 9**

```
[ YOUR ACCESS CODE ] + * + 4 + #
```
The LCD display will be scrolling through the zones that were tripped. To exit test mode enter your access code.

*It is important for your safety that you test your system regularly.*

**Testing Communicator**

Check with your installer as to how to test, and how often to test the communicator portion of your system. Various central monitoring stations have different procedures for testing the communicator. Your installer is familiar with this procedure.

**Smoke Detector Reset**

If you have a smoke detector for use with your system, your panel can be programmed to manually reset this device following an alarm condition by simultaneously pressing the 1 KEY + 3 KEY on the SK1L keypad.

<image>

**Abbreviated Arming**

This allows the system to be armed by using only the first one, two, or three digits of the access code. Once your installer has selected the number of digits for abbreviated arming, access code(s) may be changed without effecting abbreviated arming number of digits. All four access code digits must be used to Disarm the system.

*Use full access code for arming if zone bypassing is desired.*

**Opening and Closing by User**

The Opening and Closing by user code identifies the user who disarms (opening) and arms (closing) the system. This is accomplished by assigning an individual access code to each user, (up to 16 users on the SC800 and up to 32 users on the SC1600). Select secondary codes as shown in “Changing User Code” Section.
Chime Mode

Your installer may have designated certain burglary zones to briefly activate the mini-sounder contained in each keypad. These zones typically annunciate that a door has been opened or closed while the panel was disarmed. To turn on the chime operation, enter the following key sequence:

**Figure 10**

```
[ YOUR ACCESS CODE ] + * + 1 + 2 + 3 + D + #
```

If chime operation is not desired, simply enter the following key sequence:

**Figure 11**

```
[ YOUR ACCESS CODE ] + * + 1 + 2 + 3 + 1 + #
```

Fault Condition

A Fault Condition could, if unheeded, potentially render your system inactive. If such a fault should occur it will be indicated by a flashing green “READY” light, a TROUBLE message on the LCD display, and an audible warning tone at the keypad.

To identify the nature of the Fault Condition, enter the following sequence. This will also silence the audible warning:

**Figure 12**

```
[ YOUR ACCESS CODE ] + * + 9 + #
```

Fault conditions will be displayed on the LCD display.

The LCD display will now indicate the nature of the problem and it will scroll through the problems if there is more than one. Discuss with your installer what action to take if a problem should occur. If a trouble condition occurs on a fire zone, (or Day/Night Trouble Zone), call your installer for service as an important part of your system is out of order. Other messages that you may see are listed below.
**AC OFF:** Indicates the A.C. power to your alarm system has been disrupted.

**LOW BATTERY:** Indicates a low battery condition

**FAIL COMMUNICATE:** Indicates failure to communicate to the central monitoring station.

**IT IS IMPORTANT FOR YOUR SAFETY THAT YOU HAVE YOUR INSTALLED CORRECT ANY FAULTS AS SOON AS POSSIBLE.**

**Duress (Ambush)**

Duress is used during a hold-up when you’re ordered to disarm your system. When used, a silent alarm is transmitted to the central monitoring station. Press the [0] after your Access Code, then press the ENTER#. The system will disarm and a silent alarm will be transmitted.

*NOTE: This function will only operate during a disarm command.*

**Normal Disarm**  
*Figure 13* 

\[
\text{[YOUR ACCESS CODE]} + \# 
\]

**Duress Disarm**  
*Figure 14* 

\[
\text{[YOUR ACCESS CODE]} + 0 + \# 
\]
**Emergency Alarm Key Pairs**

There are four special emergency codes that can be initiated at the keypad. **THESE EMERGENCY ALARM KEY PAIRS MUST BE Pressed Simultaneously,** (a feature designed to minimize false alarms).

For example: Pressing the ENTER# first and then pressing the STAR* key while the ENTER# is still held down will NOT send an emergency signal.

The special key pair combinations are marked with a circle, square, diamond, or triangle.

*Figure 15*

<table>
<thead>
<tr>
<th>Keypad Symbol</th>
<th>Assigned Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>★ Circle</td>
<td>Fire Reset</td>
</tr>
<tr>
<td>■ Square</td>
<td>Not Used</td>
</tr>
<tr>
<td>◆ Diamond</td>
<td>Not Used</td>
</tr>
<tr>
<td>▲ Triangle</td>
<td>Not Used</td>
</tr>
</tbody>
</table>
Partitioned Mode

Your installer/dealer may have assigned specific zone(s) for you. Other users are sharing the same alarm system. There is very little interaction between users, and arming and bypassing zones can be done without interfering with other users. Bypassing zones is explained in the section on conventional mode. Entering the Access Code and then pressing ENTER# will arm or disarm all of your zones. EXAMPLE: Your Access Code is 1234, and you wish to disarm your zones, use the normal arm/disarm key sequence as follows:

Figure 16

```
[ YOUR ACCESS CODE ] + #
```

In case of an alarm condition, enter your Access Code plus Enter. This will shut the alarm off.

Changing User Codes

User codes can be changed from the keypad by entering the user menu. This menu will access several functions which may or may not be available for all users. To enter the user menu enter the following key sequence:

Figure 17

```
[ YOUR ACCESS CODE ] + ▲
```

Once in the user menu you can scroll down through the options by using the ▼ key which is under the door.

Select the option you wish to change and press the # key.

To exit the user menu press the * key. It may be necessary to enter this key more than once to return to the original operating mode.
**Remote Downloader Functions**

The panel can be programmed over the phone line using a computer. There are times when you may be instructed by the Monitoring Center to use one of these special commands for that purpose. The panel can be instructed to call the computer or to answer when the computer calls.

These functions should only be used when instructed to do so by personnel at either the Monitoring Center or Installation Company.

**Call the "ScanPro" Downloader**

To have the panel call the Computer, the following sequence can be entered:

*Figure 18*

```
[YOUR ACCESS CODE] + * + 1 2 + 6 + 5 + #
```

**Answer the "ScanPro" Downloader**

When the panel is programmed not to answer the telephone it may be forced to answer the telephone by entering the following sequence:

*Figure 19*

```
[YOUR ACCESS CODE] + * + 1 2 + 6 + 6 + #
```
Emergency Evacuation Plan

The National Fire Protection Agency recommends the following guidelines to be prepared for an actual fire.

1. Draw a floor plan of the building marking all doors and windows.
2. Evaluate all possible escape routes from building, trying each route.
3. Select two (2) escape routes from each room.
4. Second floor rooms should have a rope ladder that reaches the ground.
5. Draw a sketch of the escape route and familiarize everyone in the home with it.
6. Select a meeting place outside where everyone is to report.
7. Practice the escape plan with everyone in household.
8. Advise the local fire department that a fire alarm system is installed.

FOR MORE INFORMATION WRITE:

NFPA
1 Battery March Park
Quincy, MA 02269

APPROVAL OF FIRE AUTHORITY DOES NOT INCLUDE BURGLAR INSTALLATION OR EQUIPMENT.

FOR TECHNICAL ASSISTANCE PLEASE CONTACT YOUR INSTALLER/DEALER.
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