

16 KEYSTATION OPERATION

The Model 2090 (or Model 2089) keystation is used to control all the system functions and contains system status lights and built-in speaker for audible indications. Most of the LEDs on the keystation are encoded to indicate more than one condition. For example, when the READY light is *ON steadily*, the intrusion zones are all secure, but when the READY light is *flashing*, it indicates that the system is communicating. The following list explains what each light indicates and also describes the audible indications. Refer to Figure 16A for a photo of the 2090 keystation.

- ZONE STATUS LEDS 1-8 - LED OFF indicates normal condition.
LED ON indicates a NOT READY zone.
LED FLASHING SLOW indicates a SHUNTED zone.
LED FLASHING FAST indicates a zone was/is in alarm.
- FIRE LED - LED OFF indicates normal condition.
LED ON Indicates a TROUBLE condition.
LED FLASHING indicates a FIRE alarm.
- EMERGENCY LED - LED OFF indicates normal condition.
LED ON indicates a TROUBLE condition.
LED FLASHING indicates an EMERGENCY alarm.
- TROUBLE SILENT LED - LED OFF indicates normal condition.
LED ON indicates a Trouble has been silenced.
LED FLASHING indicates system is in programming mode.
- READY LED - LED OFF indicates system is armed or one or more zones are Not Ready to be armed.
LED ON indicates system is disarmed and all zones are either good, shunted, or bypassed by the interior switch.
LED FLASHING indicates system is reporting.
- ARMED LED - LED OFF indicates controlled zones are disarmed.
LED ON indicates controlled zones are armed.
LED FLASHING indicates system is in alarm.
- INSTANT LED - LED OFF indicates that the delay for Exit/Entry
(toggled by delayed zones is enabled.
<INSTANT> key) LED ON indicates that all Exit/Entry delayed zones are now instant (delay disabled).
- DOOR CHIME/INTERIOR LED - Toggled by <CHIME/INTERIOR> key
- SYSTEM ARMED - LED OFF indicates Interior zones are disabled.
LED ON indicates Interior zones are enabled.
- SYSTEM DISARMED - LED OFF indicates Door Chime feature is disabled.
LED ON indicates Door Chime feature is enabled.
Opened or Closed sensor in a perimeter zone will cause a chime at the keystation.

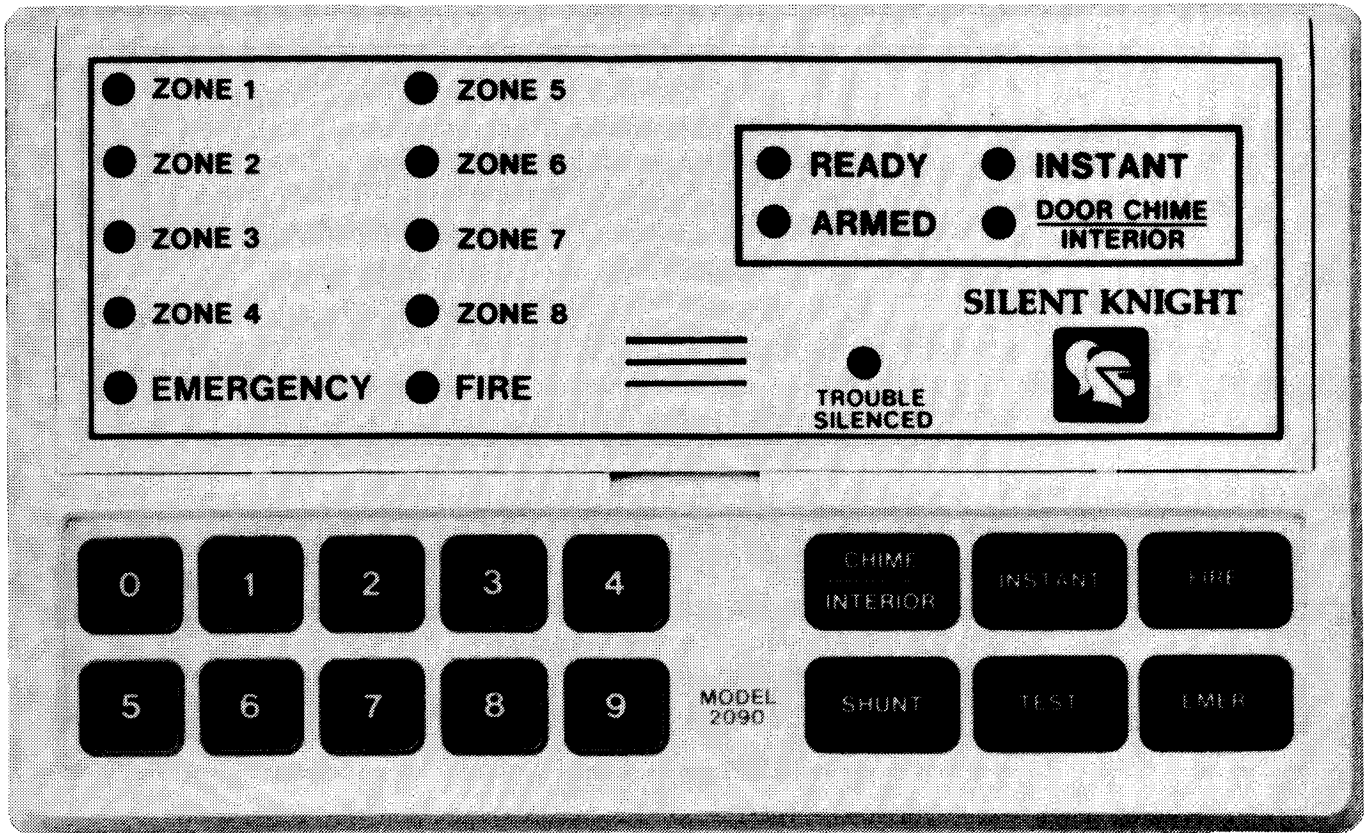


FIGURE 16A: MODEL 2090 DIGITAL KEYSTATION

BUILT-IN SPEAKER - The keystation's built-in speaker gives audible BUILT-IN SPEAKER indications of alarms, troubles, exit/entry warning tones and a short "beep" whenever a key is pressed. The speaker is also used for the optional intercom feature (refer to Intercom section). All low volume audible indications may be adjusted using the trouble alert volume control (See Figure 5A). This control does not affect the high volume alarm tones. The following is a short description of each audible indication.

- Fire Alarm - High volume, high pitch intermittent tone.
- Emergency Alarm - High volume, low pitch intermittent tone.
- Intrusion Alarm - High volume, alternating high/low pitch constant tone.

- Trouble Condition - Low volume, high pitch tone sounds for 1 second every 10 seconds.
- Exit Tone - Low volume, low pitch intermittent tone.
(beep-beep-----beep-beep...)
Last 8 seconds of exit tone changes to rapid intermittent tone (beep-beep-beep-beep...)
- Entry Tone - Low volume, alternating high/low pitch intermittent tone.
(deedle-deedle-----deedle-deedle-----deedle-deedle...)
- Door Chime - Low volume, high to low pitch tone similar to a doorbell.
Sounds once each time a perimeter zone sensor is opened or closed.
- Key "Beep" Response - Short, low volume "beep" that sounds each time you press a key on the keypad.

17 SYSTEM OPERATION

System operating instructions that are not covered elsewhere in this manual are briefly described in the following paragraphs. A detailed description of system operation is found in the 2730 operation manual.

1. To Arm the System - Enter your access code.
2. To Disarm the System - Enter your access code.
3. To Shunt or Unshunt a Zone - Press the <SHUNT> key. Press the zone number you wish to shunt/unshunt (one zone at a time). If you don't hear a long beep, enter your access code.
4. To Silence a Trouble - Press the <SHUNT> key. Press the <0> key. Enter your access code. Once the trouble condition has been corrected, the appropriate zone LED and "TROUBLE SILENT" LED will turn off.
5. To Manually Activate Fire or Emergency Alarm - Press the <FIRE> or <EMERGENCY> key and hold it down for 1 FULL SECOND.
6. To Test the Communicator - Press the <TEST> key. Enter the 0 access code.

NOTE: The system must be disarmed to test.

7. To Activate Duress when Disarming - Press the <9> key. Enter your access code.
8. To Enter PROGRAM Mode - (there are two different methods)
 - a. Press <SHUNT> key, Press the <TEST> key, then enter Code 0.
(System must be disarmed and no zones shunted).
 - b. System will be in the PROGRAM Mode when it is first powered up.
(Turn system off and then on again.)
9. To Change Access Codes - Enter PROGRAM Mode. Enter the codes to be changed. Press <TEST> key after each code. Press <SHUNT> key to clear any errors. Press <TEST> key three times to exit program mode.
10. To Delete A Code - Enter PROGRAM Mode. Enter the first digit of the code to be deleted. Press the <TEST> key. Press the <TEST> key three times to exit the programming mode. Since a code must be at least two digits in length, the code is now invalid and will not function. A new code may be entered at a later time.