

SG-DV1660LC/ SG-DV1660FLC

Intrusion Alarm System



**SG SECURITY
COMMUNICATIONS**

A Division of Sur-Gard Security Systems Ltd.

User Manual

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DV1660LC (SFLC)

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INSTALLATION INFORMATION

DV1660L.C (RFLC)

ENTRY CODES (1 - 64)

Name	Type	Name	Type
MASTER: _____	0	USER #33: _____	_____
USER #2: _____	_____	USER #34: _____	_____
USER #3: _____	_____	USER #35: _____	_____
USER #4: _____	_____	USER #36: _____	_____
USER #5: _____	_____	USER #37: _____	_____
USER #6: _____	_____	USER #38: _____	_____
USER #7: _____	_____	USER #39: _____	_____
USER #8: _____	_____	USER #40: _____	_____
USER #9: _____	_____	USER #41: _____	_____
USER #10: _____	_____	USER #42: _____	_____
USER #11: _____	_____	USER #43: _____	_____
USER #12: _____	_____	USER #44: _____	_____
USER #13: _____	_____	USER #45: _____	_____
USER #14: _____	_____	USER #46: _____	_____
USER #15: _____	_____	USER #47: _____	_____
USER #16: _____	_____	USER #48: _____	_____
USER #17: _____	_____	USER #49: _____	_____
USER #18: _____	_____	USER #50: _____	_____
USER #19: _____	_____	USER #51: _____	_____
USER #20: _____	_____	USER #52: _____	_____
USER #21: _____	_____	USER #53: _____	_____
USER #22: _____	_____	USER #54: _____	_____
USER #23: _____	_____	USER #55: _____	_____
USER #24: _____	_____	USER #56: _____	_____
USER #25: _____	_____	USER #57: _____	_____
USER #26: _____	_____	USER #58: _____	_____
USER #27: _____	_____	USER #59: _____	_____
USER #28: _____	_____	USER #60: _____	_____
USER #29: _____	_____	USER #61: _____	_____
USER #30: _____	_____	USER #62: _____	_____
USER #31: _____	_____	USER #63: _____	_____
USER #32: _____	_____	USER #64: _____	_____

TYPES OF CODES FOR USER ACCESS CODE

0 = Master Code

2 = Arm only code

1 = Arm/disarm & bypass code

3 = Arm/disarm only code

INSTALLATION INFORMATION

DV1660LC (8FLC)

ENTRY CODES (65 - 128) with Optional Module

Name	Type	Name	Type
USER #65: <u>Auto Arming Schedule #1</u>		USER #97: _____	_____
USER #66: <u>Auto Arming Schedule #2</u>		USER #98: _____	_____
USER #67: <u>Auto Arming Schedule #3</u>		USER #99: _____	_____
USER #68: <u>Quick Arming</u>		USER #100: _____	_____
USER #69: <u>Key Switch Arming</u>		USER #101: _____	_____
USER #70: <u>Arming/Disarming by Central</u>		USER #102: _____	_____
USER #71: <u>Future</u>		USER #103: _____	_____
USER #72: <u>Future</u>		USER #104: _____	_____
USER #73: _____	_____	USER #105: _____	_____
USER #74: _____	_____	USER #106: _____	_____
USER #75: _____	_____	USER #107: _____	_____
USER #76: _____	_____	USER #108: _____	_____
USER #77: _____	_____	USER #109: _____	_____
USER #78: _____	_____	USER #110: _____	_____
USER #79: _____	_____	USER #111: _____	_____
USER #80: _____	_____	USER #112: _____	_____
USER #81: _____	_____	USER #113: _____	_____
USER #82: _____	_____	USER #114: _____	_____
USER #83: _____	_____	USER #115: _____	_____
USER #84: _____	_____	USER #116: _____	_____
USER #85: _____	_____	USER #117: _____	_____
USER #86: _____	_____	USER #118: _____	_____
USER #87: _____	_____	USER #119: _____	_____
USER #88: _____	_____	USER #120: _____	_____
USER #89: _____	_____	USER #121: _____	_____
USER #90: _____	_____	USER #122: _____	_____
USER #91: _____	_____	USER #123: _____	_____
USER #92: _____	_____	USER #124: _____	_____
USER #93: _____	_____	USER #125: _____	_____
USER #94: _____	_____	USER #126: _____	_____
USER #95: _____	_____	USER #127: _____	_____
USER #96: _____	_____	USER #128: _____	_____

TYPES OF CODES FOR USER ACCESS CODE

0 = Master Code

2 = Arm only code

1 = Arm/disarm & bypass code

3 = Arm/disarm only code

INSTALLATION INFORMATION

DV1680LC (&FLC)

ZONE IDENTIFICATION:

Zone #1: _____ Zone #9 : _____
Zone #2: _____ Zone #10: _____
Zone #3: _____ Zone #11: _____
Zone #4: _____ Zone #12: _____
Zone #5: _____ Zone #13: _____
Zone #6: _____ Zone #14: _____
Zone #7: _____ Zone #15: _____
Zone #8: _____ Zone #16: _____

FIRE: _____ AUX ALARM: _____
S1 (ALM): _____ S2 (TRB): _____

IF EQUIPPED WITH ZONE EXPANSION MODULE(S):

Zone #17: _____ Zone #41: _____
Zone #18: _____ Zone #42: _____
Zone #19: _____ Zone #43: _____
Zone #20: _____ Zone #44: _____
Zone #21: _____ Zone #45: _____
Zone #22: _____ Zone #46: _____
Zone #23: _____ Zone #47: _____
Zone #24: _____ Zone #48: _____
Zone #25: _____ Zone #49: _____
Zone #26: _____ Zone #50: _____
Zone #27: _____ Zone #51: _____
Zone #28: _____ Zone #52: _____
Zone #29: _____ Zone #53: _____
Zone #30: _____ Zone #54: _____
Zone #31: _____ Zone #55: _____
Zone #32: _____ Zone #56: _____
Zone #33: _____ Zone #57: _____
Zone #34: _____ Zone #58: _____
Zone #35: _____ Zone #59: _____
Zone #36: _____ Zone #60: _____
Zone #37: _____ Zone #61: _____
Zone #38: _____ Zone #62: _____
Zone #39: _____ Zone #63: _____
Zone #40: _____ Zone #64: _____

ALARM COMPANY INFORMATION

Company Name: _____ Tel: _____
Contact: _____ Code in case of false alarm: _____

Your DV1660LC Security System has been designed to give you the greatest possible flexibility and convenience. Read this manual carefully and become familiar with the operation of your Security System. This manual is designed to assist you, the end user, in programming and operating the DV1660LC control system. As you will discover, the sophistication of this system lies not only in the number of functions the unit is capable of performing, but in its ease of operation. Your installer will tell you which commands listed in this manual apply to your system. Fill out the INSTALLATION INFORMATION sheet in this manual and store it in a safe place for future reference. The label provided for the instructions slide keypad can be used to record which sensors are on each zone.

IMPORTANT NOTES

Remember that no security system can prevent emergencies. It is only intended to alert you in case of an emergency and should not take the place of prudent security practices, or life and property insurance.

It is important to test your system every week. To do this, first inform the monitoring station that you are testing your system. Then, with the system disarmed, activate all detection sensors one at a time and observe the display at the Keypad as each sensor is activated. Perform a Bell test by entering [*], [06], [INSTALLER or MASTER CODE], [06] with the system disarmed.

Don't forget to inform the monitoring station when you have finished your test.

Check to see if a trouble message is displayed when Arming the system. See the "Trouble Display" section in this manual for a description of the different trouble conditions. Contact your installer for assistance if the Trouble cannot be located and corrected. IF YOU ARM THE SYSTEM WITH A ZONE BYPASSED OR WITH A TROUBLE PRESENT, YOUR SECURITY PROTECTION IS REDUCED.

BASIC SYSTEM

The basic systems consists of two items:

- a) the control panel
- b) the keypad

The control panel is the heart of your system. It is the box that your alarm company has installed somewhere out of sight. To this box are connected all the contacts and/or motion detectors necessary to protect your premises. Also connected to the control box are one or more keypads.

The keypad is the link between you and the control box. From the keypad, all the operating and programming characteristics are entered (i.e. Arming/disarming, bypassing zones, changing entry codes, etc.). The keypad interacts with you, the user, via a display that generates plain language messages. This way, one only has to become familiar with the use of the keys and the display messages to operate the system. The keypad will guide you through all aspects of system operation.

ACCESS CODES

There are 64 access (user) codes* plus 1 Installer's code which are broken down as follows:

1 Master Code

63 Programmable user codes

* With an Option Module there are 128 access (user) codes, which are broken down as follows:

1 Master Code

119 Programmable user codes

8 Special Codes

The Master Code is used to arm and disarm the security system, to program additional security codes and to change other features.

For more complex systems where zones are "split" into separately controlled areas of the building, each code can be assigned to one of four groups.

There is one dedicated Master Entry Code (code #1). The **Master Code #1** is factory set at "1-2-3-4". All other codes can be programmed as:

- Master Code (other than code #1)
- Arm/Disarm and Bypass Code
- Arm Only
- Arm/Disarm Only

Only a valid **Master Code** can change the entry codes (mode 03) (not even an Installer's Code can)!

The **Arm/Disarm and Bypass Code** can only bypass a zone (mode #01) and arm/disarm the panel. (It could also be used in mode 11, to send a message, such as "late to close 15 minutes", to the central station).

NOTE: Check with the Installer if you want Mode 11 to be accessed by a user with an "arm/disarm and bypass code".

The **Arm Only Code** can only arm the panel.

The **Arm/Disarm Only Code** can only arm and disarm the panel.

- The modes 02, 07, 08, 09, 10, 12, 24, and 99 can be accessed without entering a code.

KEYPAD INDICATOR LIGHTS AND DISPLAY

DV1660L.C (8/FLC)

ARMED LED "RED"

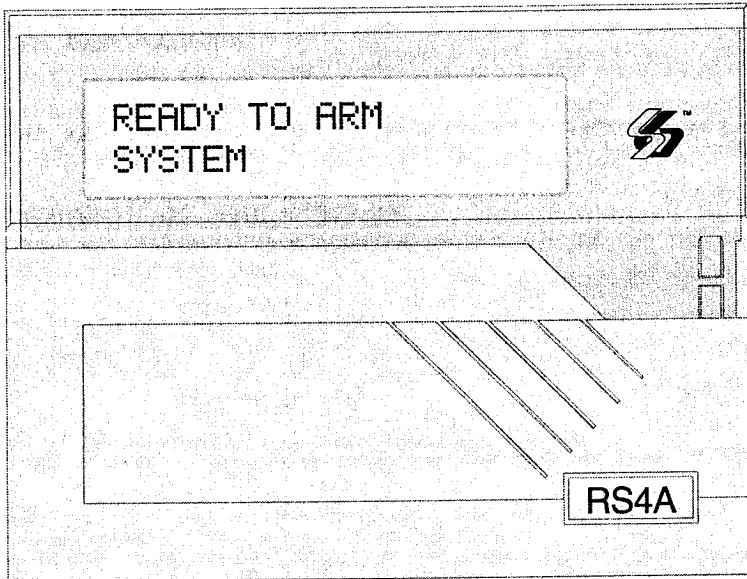
- When lit, indicates that the system is armed
- When OFF, panel is disarmed
- When flashing, indicates that the system is split armed (one or more groups armed)

BYPASS LED "GREEN"

- When lit, indicates that one (or more) of 64 possible zones are bypassed
- When flashing, indicates that you are in mode 01, or bypass mode.

DESCRIPTION OF THE DISPLAY

The display will continuously give messages so that you, the user, will always be prompted as to what to do next.



KEYPAD PANIC BUTTONS

DV1660L.C (&FLC)

FIRE KEY (F)

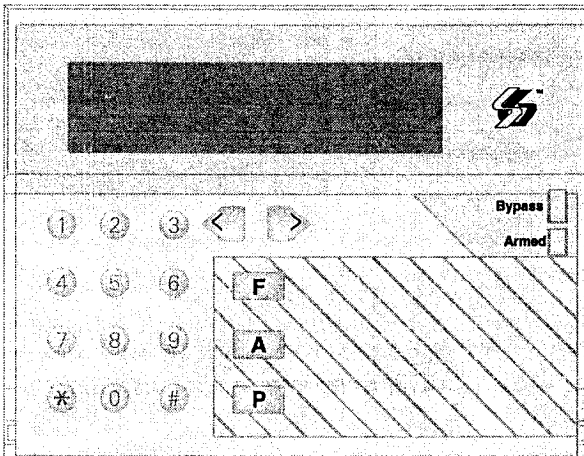
- Press and hold for 2 seconds to send FIRE ALARM. It sounds (if desired) a fire alarm locally and sends to the central station, if programmed to do so.

EMERGENCY KEY (A)

- Press and hold for 2 seconds to send an EMERGENCY ALARM to the central station, if programmed to do so.

PANIC KEY (P)

- Press and hold for 2 seconds to request POLICE help. It sends a PANIC ALARM to the central station, if programmed to do so.



KEYPAD SPECIAL KEYS

'*' KEY

- Pressed to enter Program mode.
- Pressed to skip information within a Program mode.

'#' KEY

- Pressed to clear Keypad.
- Pressed to exit any Program Mode.

'*' & '#' KEYS

- Pressed simultaneously to skip to a new program mode when in any other mode.
- When in Normal Mode, and there are zones open, press [*&#] simultaneously to view the Zone Labels of the open zones. Press [*] to view additional zone labels until the message to press [#] is displayed. (ONLY AVAILABLE WITH AN OPTIONAL MODULE)

HOW TO ARM AND DISARM THE SYSTEM

DV1660LC (8FLC)

HOW TO ARM ALL THE SYSTEM

NOTE: This section applies if your system has only one group assigned to it. If not, refer to HOW TO ARM EACH GROUP below.

- [1] Check display to verify if all windows and doors are closed. If so, the display should read...

```
READY TO ARM
SYSTEM
```

- [2] To arm system, simply enter your code, always listening for the beep after every key you enter. If no beep is heard within 2 seconds, press the key again. At this point:

- a) The red "ARMED" light should light up.
- b) The buzzer should beep.
- c) The display should read...

```
ALL SYSTEM ARMED
```

```
EXIT DELAY
PLEASE LEAVE
```

- [3] Please leave the premises within the programmed exit time.

[4] Close Confirmation

If close confirmation is selected the display should read...

```
*** WAIT ***
FOR OK TO LEAVE
```

Before the following message is displayed:

```
EXIT DELAY
PLEASE LEAVE
```

You are sure then the central station received the close report before you leave when the display gives the "EXIT DELAY PLEASE LEAVE".

HOW TO ARM EACH GROUP

- [1] Check display to verify if all windows and doors are closed. If so, the display should read...

```

READY TO ARM
SYSTEM
  
```

Or, if 1 or more groups were already armed (i.e:Gr. A only), the display will read:

```

SPLIT ARMED:
GROUP  A
  
```

NOTE: The unit will also at this time display at intervals of 2 seconds, the remaining groups which are ready to be armed as well as open zones if any.

- [2] Simply enter your code, always listening for a tone after every key entered. If no tone is heard within 2 seconds, press the key again. If, for example, no groups were armed and your code was assigned to groups A and B; the unit will then display the following messages at intervals of 2 seconds and will wait for a maximum of 30 seconds for a keypad input:

```

<1> TO ARM
GROUP  A
  
```

```

<2> TO ARM
GROUP  B
  
```

```

<5> TO ARM
ALL OK GROUPS
  
```

```

PRESS <*> TO
END SELECTION
  
```

At this moment:

- To arm A and B: press [1] then [2] *or press [5]*
 - To arm A only: press [1] then [*]
 - To arm B only: press [2] then [*]
 - To cancel arming: press [*]
- [3] From this example, if GROUP B cannot be armed because of an open zone (arming inhibit), the display will read...

```

CAN NOT ARM
GROUP:  B
  
```

and then display the following at 2 second intervals:

```

<1> TO ARM
GROUP  A
  
```

```

PRESS <*> TO
END SELECTION
  
```

- [4] From the previous example, if GROUP B was already armed the display will otherwise read...

```
<2> TO DISARM
GROUP B
```

```
PRESS <+> TO
END SELECTION
```

and then ask if you wish to arm GROUP A (as step 3).

- [5] If your code is assigned to **one group only** (B for example), the system will directly be armed and at this point:

- The red "ARMED" light should light up.
- The buzzer should beep.
- The display should read...

```
SPLIT ARMED:
GROUP B
```

```
EXIT DELAY
PLEASE LEAVE
```

- [6] Please leave the premise within the programmed exit time.

- [7] If close confirmation is selected, refer to step 4 of HOW TO ARM ALL THE SYSTEM.

NOTE: The red "ARMED" light will flash until all groups have been armed, at which time it will be on steady.

HOW TO DISARM ALL THE SYSTEM

NOTE: This section applies if your system has only one group assigned to it. If not, refer to HOW TO DISARM EACH GROUP below.

- [1] Enter your premise through the delay door (usually front door). The entry pre-alarm buzzer should be sounding and the display should read...

```
ALL SYSTEM ARMED
ENTER VALID CODE
```

- [2] Simply enter your entry code. At this point the following message should be displayed for approximately two seconds:

```
** WELCOME **
```

AND THEN

```
SYSTEM DISARMED
```

[3] If all zones are secure, after that message, the display should read...

```
READY TO ARM
SYSTEM
```

or if one or more zones were left open or were in alarm before disarming, you have to select mode 08 to return to the "Ready to Arm" message.

```
ALARM IN MEM
PRESS *08
```

or if one, two or three groups are still armed, you can go into programming mode if at least one group is disarmed.

HOW TO DISARM EACH GROUP

[1] Enter your premise through the delay door. The entry pre-alarm buzzer should be sounding and the display may, for example, show the following:

```
SPLIT ARMED:
GROUP.....A
```

NOTE: The display will also list at this point (at 2 second intervals) all groups that may have been armed as well as "ALL MEMORY EVENTS" if the case.

[2] Simply enter your code, always listening for the tone after every key entered. If your code is assigned to only 1 of the groups presently armed, the unit will directly disarm this group assigned to you. If more groups are assigned to your code, the unit will then give you the choice of individually disarming each group. Please refer to the "HOW TO ARM EACH GROUP" section on p. 11 for more details and displays shown.

QUICK ARM

[*]+[06]+[MASTER CODE OR INSTALLER CODE]+[04]

The Quick Arm feature is activated by selecting function [04] in Mode [06]. When this feature is activated, the panel can be armed by pressing [7] and [8] simultaneously. This allows the panel to be armed without a valid user code.

- Press keys [7] and [8] simultaneously for Quick Arm.

MEMORY GUARD (HISTORY) INDICATION

DV1660L C (8/FLC)

The system is designed to remember alarms that occurred while the system was armed. This feature is used when the system (or at least one group) is disarmed.. If this option is selected, the display will read...

```
ALARM IN MEMORY
PRESS * 08
```

In this mode, the numbers displayed represent the zone numbers where an alarm occurred. Go in mode 08 by pressing [*] [0] [8]

```
ALARM IN MEMORY
..... *->
```

If there are many zones in alarm, you should see [*] [->] on the display. Press the [*] key to know which other zones are in memory until the display reads...

```
ALARM IN MEMORY
NO MORE, EXIT #
```

Press the [#] key to return to the normal mode.

NOTE: If a silent zone has an alarm in memory, the unit will not advise the customer for security reasons. Or, if the alarm in memory is not a zone alarm, but instead a trouble condition or remote alarm (alarm from the keypad, such as "panic") the display will read...

```
TROUBLE IN MEM
PRESS *09
```

OR

```
KEYPAD ALARM:
PRESS *10
```

To see what the trouble or KEYPAD alarm was, go in mode 09 or mode 10 as described on page 31.

NOTE: After you have noted the alarm(s) or trouble(s) in memory, you may clear (reset) the memory by arming and disarming the panel, or this will happen automatically with regular use of the system.

OTHER FEATURES

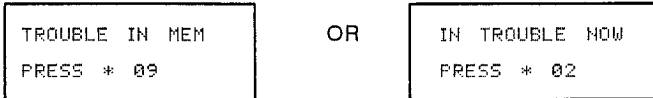
DV1660LC (&FLC)

BUZZER

A beep will be heard from the keypad to confirm that the key entry has been accepted by the main control unit. Wait for this beep before pressing the next key. If no beep is heard within 2 seconds of pressing a key, try pressing it again.

TROUBLE INDICATION

If a trouble occurs, the display should read...



To verify what the trouble is, enter trouble mode (mode #09 or #02, press [*], then the 2 digit code [09] or [02]).

AC POWER FAILURE, LOW BATTERY DISCONNECT

In the event of AC power failure, the backlighting for the keypad and display will pulse on briefly once every 4 seconds, instead of being lit continuously, (standard program). When a key is pressed the backlighting will stay on for 2 minutes. The "Armed" LED will also pulse. This is done to indicate the power failure condition in order to save battery power.

When AC power is lost for an extended period of time (a day or so), on most systems, the battery will get fully discharged or deep discharged. The DV1660LC however will disconnect the battery before this happens, eliminating further harmful discharge.

When AC power is restored, the panel will automatically reconnect the battery to the charging circuit.

DOOR CHIME FEATURE (mode 07)

The Door Chime feature is used, while the panel is Disarmed, to provide a tone from the keypad each time a door or window is opened or closed. The doors and windows that will provide this indication are usually programmed by your installer. You can program this feature yourself in mode 07. The Door Chime feature works the same way when split arming is used.

ARMING/DISARMING BY CENTRAL

This feature allows your alarm company to arm or disarm the system from their central station, if enabled by the installer. This feature is very handy if you forget to arm the system when you leave and you don't want to go back to the office.

HOW TO REPROGRAM YOUR SYSTEM

DV1660LC (8FLC)

There are 17 programming modes that a user can access.

Press [*] followed by 2 digit mode number. See below:

MODE 01: For bypassing zones; may need a Master Code or an arm/disarm with bypass code (if programmed so).

MODE 02: Shows status of troubles now.

MODE 03: For changing entry codes; needs a valid Master Code.

MODE 04: Utility Output #2 command. To activate an external device.
(If programmed so)

MODE 05: Utility Output #1 to 7 command. To activate an external device.
(If programmed so)

MODE 06: Multiple functions, adjustments, and testing

MODE 07: For chiming zones; causes keypad to beep each time a zone is opened or closed.

MODE 08: Zone and Fire Alarms memory display

MODE 09: Trouble Alarms memory display

MODE 10: Keypad Panic Alarms memory display

MODE 11: Sending a user message

MODE 12: Last person Who armed/disarmed group A to group D

MODE 17: Check for identical User codes

MODE 18: Programmable zone labels (optional module required)

MODE 19: Programmable group labels

MODE 24: View system clock

MODE 99: Language Select

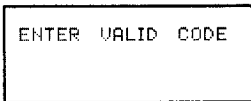
INTERACTION BETWEEN THE KEYPAD AND CONTROL PANEL

It is important that the user wait for the beep sound after every entry on the keypad. This beep confirms to the user that the main control has accepted the entry. If no beep is heard within 2 seconds, press the key again.

NOTE 1: Before going into a mode, check the mode description section, pages 18 to 38 where detailed explanations of all the modes can be found.

NOTE 2: The procedures are based on the assumption that the user was initially in the normal armed/disarmed mode.

NOTE 3: When you enter a valid code, the display should read:



ENTER VALID CODE

at the same time you press a key, a star will appear to indicate that the system registered the key just pressed.

NORMAL MODE - ARMED/DISARMED MODE

This is the normal mode that the user will be in when operating the control system, this is not a programming mode as such.

To arm or disarm the system, enter your 4 digit code. Depending on the system set up and your code type, you may only be able to arm or disarm certain zones, or you may be able to arm only. The keypad will beep several times to confirm that the entered code is valid.

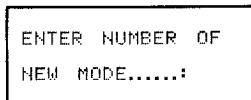
MODE 01 - ZONE BYPASSING (SHUNTING)

Press [*]+[01]

Use zone bypassing when access is needed to part of the protected area while the system is armed. Bypassed zones will not cause an alarm. Zones that are temporarily out of service due to damaged wiring or contacts may be bypassed to allow system arming (partial protection) until repairs can be made.

TO BYPASS A ZONE, start with the system in the disarmed state.

1. Press the [*] key.
2. The display should read...



ENTER NUMBER OF
NEW MODE.....:

3. Enter the 2 digit number [0] [1].

MODE DESCRIPTIONS (MODE 1)

DV1660LC (8FLC)

4. Enter valid Master Code, or arm/disarm with bypassing code (if the code for bypass option is selected). The display should read...

```
ENTER VALID CODE
```

5. Bypass LED flashing.
6. At this point display will show the already bypassed zones.

```
BYPASSED ZONES:  
01 02 03 *->
```

If there were no bypassed zones.

```
BYPASSED ZONES:  
NONE
```

- To bypass a zone, enter the desired 2 digit zone number.
- To unbyypass an already bypassed zone, enter desired two digit zone number.
- Entering [00] will unbyypass all zones. Entering [99] restores the last bypassed zones selection.

For example, if zones 05, 17, 35, 41 were already bypassed and you wish to bypass zone 25; simply enter [25] on the keypad. The display will show the bypassed zone starting from your last entry. In this case it was the zone 25.

```
BYPASSED ZONES:  
25 35 41 *->
```

- Press the [*] key to see other bypassed zones.

7. Press the [#] key to go back to arm/disarm mode.

BYPASS WITH MORE THAN ONE GROUP (SPLIT ARMING)

If you enter in mode 01 "BYPASSING" with a code assigned to one group only, you can only bypass a zone which is assigned to this group. For example:

Zone assigned for

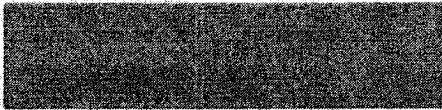
group A = 01, 02, 03, 04

group B = 05, 06, 07, 08

group C = 09, 10, 11, 12

group D = 13, 14, 15, 16

(Continued on page 22)



1 2 3 < >

4 5 6

7 8 9

* 0 #

Bypass

Armed

F

A

P

RS4A

①	②	③	<	>
A	J	B	DISPLAY LEFT/UP	DISPLAY RIGHT/DOWN
④	⑤	⑥	F	NOT IN USE
C	J	D		
⑦	⑧	⑨	A	NOT IN USE
E	J	F		
*	0	#	P	NOT IN USE

PRESS [*] TO SELECT MODE OR TO CLEAR ERROR

PRESS [*] TO RETURN TO NORMAL MODE

PRESS [F], [A] OR [P] KEYS FOR TWO SECONDS TO ACTIVATE.

TEST SYSTEM WEEKLY

SEE USER MANUAL FOR TESTING PROCEDURE.


SG SECURITY COMMUNICATIONS
 18004685 R0

Bypass light will come on when a zone is bypassed.

To bypass a zone, press [*] [01] [Master Code] and then the zone numbers for the zones you wish to bypass.

Press [#] to return to the Ready mode.

Armed light will come ON to indicate that the system is armed.

Press [*]:

- to enter a programming mode
- when an error is made in entering a code or other information
- to advance to the next step or message while in a programming mode

Press [#]:

- when an error is made in entering a code, then enter code again
- to return to the Ready mode after using [*] commands

[F] Fire Key: Press for 2 seconds to activate Fire transmission.

[A] Emergency Key: Press for 2 seconds to activate Auxiliary transmission.

[P] Panic Key: Press for 2 seconds to activate Panic transmission.

Note: *These buttons will not function unless they are enabled by your installer.*

IMPORTANT:

Test system weekly and have system trouble conditions corrected by your installer.

MODE DESCRIPTIONS (MODE 1 & 2)

DV1660LC (&FLC)

Code assigned for

group A: 1234

group A & B: 5678

When you enter with the code 1234 you can only bypass the zones 01, 02, 03 or 04 because you used a code which was assigned to the group "A".

When you enter with code 5678 you can only bypass the zones 01, 02, 03, 04, 05, 06, 07 or 08 because you used a code which was assigned to the group "A & B".

MODE 02 - TROUBLE DISPLAY MODE

Press [*]+[02]

The control panel continuously monitors a number of possible trouble conditions. If one of these conditions occurs, the keypad sounder will beep.

1. Press the [*] key.
2. The display should read...

ENTER NUMBER OF
NEW MODE.....:

3. Enter the 2 digit number [0] [2].
4. At this point display should read...

IN TROUBLE NOW
NONE, EXIT: #

OR

IN TROUBLE NOW
..... , EXIT: #

CHART OF TROUBLES

AUX. ALM	Auxiliary Alarm (or indicates that the printer is ready when the printer is used).
S1 ALARM	Supervisory Alarm
S1 TRBL	Supervisory Trouble
AC FAIL	A.C. Power Failure
BELL CUT	Bell Cut / Blown Fuse
LOW BAT	Low or Missing Battery
FIRE TBL	Fire Trouble
DVAC CUT	DVACS Line Cut or Missing
TEL. CUT	Digital line cut or Missing

5. Press the [#] to go back to arm/disarm mode. Contact your alarm company for service if the trouble cannot be found.

MODE DESCRIPTIONS (MODE 3)

DV1660L C (8FLC)

MODE 03 - PROGRAMMING ADDITIONAL ENTRY CODES MODE

Press [*]+[03]+[MASTER CODE]

NOTE: For security reasons, you cannot change or enter a new user code unless it is assigned to the same group as the Master Code you use to enter in mode 03.

For Example: If your Master Code was assigned to group A, you can only change or enter a new user code which was assigned to the group A. But, you can't change or enter a new user code which was assigned to the groups A and B.

If your Master Code was assigned to groups A and B you can only change or enter a new user code which was assigned only to group A, or only to the group B, or to both groups A and B.

1. Press the [*] key.
2. The display should read...

```
ENTER NUMBER OF  
NEW MODE
```

3. Enter the 2 digit number [0] [3].
4. The display should read...

```
ENTER VALID CODE
```

5. Enter valid Master Code.
6. The display should read..

```
ENTER USER # TO  
CHANGE.....
```

At this point you need to enter the user number to change (enter a 2 digit number between 01 and 64). With Optional Module (enter a 3 digit number between 001 to 128 except between 065 to 072).

7. The display should then read...

```
NEW CODE FOR  
USER..#_ _
```

Enter the new code for the user that you chose in 6 (enter a 4 digit code). If you do not wish to reprogram a new code, you may enter [0][0][0][0] to erase a code . You may also press the [*] key to leave the user code # as it was, and go to step 8.

MODE DESCRIPTIONS (MODES 3, 4, & 5)

DV1660LC (&FLC)

8. The display should next read...

```
ENT TYPE OF CODE
FOR USER...#
```

Enter the new type of code for the user that you chose in 6
(enter a 1 digit code).

Refer to the following table to know which key to press for the desired code type:

KEY TYPE OF CODE

0	master
1	arm/disarm and bypass
2	arm only
3	arm/disarm only

■ press the [*] key to leave the code type as it was, and go to step 10.

9. If the installer select the option **"master can assign groups to user codes"**, *IF not selected go directly to step 10*. The user may select or deselect by pressing accordingly 1 2 3 4 (= A B C D) for each presented group. The display will toggle if a permitted group is (de)selected or else a "BAD" beep is heard if a non-authorized group is selected. The display should next read...

```
GROUP...
A B C D
```

(Only Master's assigned groups are displayed)

At the end of the selecting process, *** key should be pressed to save the selection and go to step 10.

10. Same procedure as steps #6, 7, 8, 9, 10 repeated until all user codes (1 to 64) have been programmed.

11. Press [#] key to go back to arm/disarm mode.

MODES 04 AND 05: UTILITY OUTPUT MODES

Mode #04: Switched auxiliary supply control for utility output #2.

Mode #05: Activation command for utility outputs #1 to #7.

- If selected (programmed) by your installer, programmable utility outputs may be used for special purposes such as: opening/closing a garage door, electrical door locks etc...
- Depending on installation requirements, utility outputs may be activated without an access code or, by directly pressing keys [4] and [5] simultaneously on the keypad.
- It is also possible to activate these outputs from entry of any valid user access codes.
- It is important to note that at least one group must be disarmed in order to use this function.

MODE DESCRIPTIONS (MODE 4)

Mode #04: UTILITY OUTPUT #2 COMMAND

Press [*]+[04]+[VALID CODE]

- 1) Press the [*] key
- 2) The keypad display will show the following:

ENTER NUMBER OF
NEW MODE.....:

- 3) Enter the appropriate 2 digits of desired mode ([0][4] for switched auxiliary supply control for utility output #2).
- 4) After doing so, the display will show the following:

ENTER
SPECIAL COMMAND

(IF KEYS [4] & [5] ARE CHOSEN FOR ACTIVATION)

or

ENTER VALID CODE

(IF VALID CODE IS CHOSEN FOR ACTIVATION)

If neither a valid code or pressing keys [4] and [5] is required, utility output #2 will directly be activated after entering into mode #4. The keypad display will then show the following:

UTILITY OUTPUT
ACTIVATED

THEN,

EXIT:#

NOTE: UTILITY OUTPUT #2 WILL REMAIN ACTIVATED UNTIL THE [#] KEY IS PRESSED OR WAIT 2 MINUTE (WITHOUT PRESSING KEY) TO RETURN TO NORMAL (ARM/DISARM) MODE.

MODE DESCRIPTIONS (MODE 5)

DV1660LC (8FLC)

MODE #05: UTILITY OUTPUTS #1 TO #7 COMMAND

Press [*]+[05]+[VALID CODE]

- 1) Press the [*] key.
- 2) The keypad display will display the following:

ENTER NUMBER OF
NEW MODE.....:

- 3) Enter the desired mode([0][5] for activation of utility outputs #1 to #7).
At this point, the keypad display will show the following:

ENTER FUNCTION
NUMBER.....:

- 4) Enter the desired utility output # (between 1 and 7)
- 5) After doing so, the display will show the following:

ENTER
SPECIAL COMMAND

(IF KEYS [4] & [5] ARE CHOSEN FOR ACTIVATION)

or

ENTER VALID CODE

(IF A VALID CODE IS CHOSEN FOR ACTIVATION)

If neither a valid code or pressing keys [4] and [5] is required, the chosen utility output will directly be activated after entry of the utility output # (step 4). The keypad display will then show the following:

UTILITY OUTPUT
ACTIVATED

THE UTILITY OUTPUT CHOSEN IN THIS MODE WILL BE ACTIVATED FOR 3 SECONDS, AND THE SYSTEM WILL AFTERWARDS AUTOMATICALLY RETURN TO THE NORMAL (ARM/DISARM) MODE.

NOTE: Utility outputs 3 to 7 are on an optional module.

MODE 06: MULTIPLE FUNCTION

Press [*]+[06]+[MASTER OR INSTALLER CODE]+[FUNCTION #]

This mode is used to set the system clock/calendar, to program auto arm times for 3 separate schedules, to test the system, and to select quick arming feature.

1. Follow the same procedures described in the earlier modes.

[*]+[06]+[MASTER CODE]+[00]	Future use
[*]+[06]+[MASTER CODE]+[01]	Setting the hour/min of clock
[*]+[06]+[MASTER CODE]+[02]	Setting the date (DD/MM)
[*]+[06]+[MASTER CODE]+[03]	Setting day of the week
[*]+[06]+[MASTER CODE]+[04]	Quick arm select
[*]+[06]+[MASTER CODE]+[05]	Future use
[*]+[06]+[MASTER CODE]+[06]	Activate Bell for 3 sec.
[*]+[06]+[MASTER CODE]+[07]	Activate programmable output for 3 sec.
[*]+[06]+[MASTER CODE]+[08]	Activate buzzer for 3 sec.
[*]+[06]+[MASTER CODE]+[09]	Keypad display speed select
[*]+[06]+[MASTER CODE]+[10]	Auto arm time of day for schedule #1
[*]+[06]+[MASTER CODE]+[11]	Future use
[*]+[06]+[MASTER CODE]+[12]	Auto arm time of day for schedule #2
[*]+[06]+[MASTER CODE]+[13]	Future use
[*]+[06]+[MASTER CODE]+[14]	Auto arm time of day for schedule #3
[*]+[06]+[MASTER CODE]+[15]	Future use
[*]+[06]+[MASTER CODE]+[16]	Day assignment for schedule #1
[*]+[06]+[MASTER CODE]+[17]	Day assignment for schedule #2
[*]+[06]+[MASTER CODE]+[18]	Day assignment for schedule #3

NOTE:

- 1) Hours must be programmed as "military standards" (i.e: 00:00 to 23:59) for all clock entries including Auto-Arm times for schedules #1 to #3.
- 2) Time and date need only be updated after a complete power loss.
- 3) Digits 1 to 7 are used for day of the week and day assignments for schedules #1 to #3 entries where 1=Sunday, 2= Monday, 3= Tuesday etc...
- 4) Accessing the quick arm select option will toggle the quick arm enable/disable status.
- 5) Be sure than user codes #65, #66 and #67 are assigned properly by your installer for schedules #1, #2 and #3 respectively.
- 6) Never set the same Auto-Arm time for 2 or more schedules.

MODE DESCRIPTIONS (MODE 6)

DV1860.C (&FLC)

MULTIPLE FUNCTIONS

01: Setting the Time of the clock.

```
SET 24HR CLOCK
    00:00
```

- Hours must be programmed as "military standards" (i.e. 00:00 to 23:59).

02: Setting the Date (Date/Month).

```
SET DATE <DD/MM>
    31/12
```

03: Setting the Day of the Week.

```
SET DAY OF WEEK
<SUNDAY=1>...7
```

- Digits 1 to 7 are used for the day of the week entries, where 1 = Sunday, 2 = Monday, 3 = Tuesday etc....

04: Quick Arm Select.

```
QUICK ARMING
ACTIVATED
```

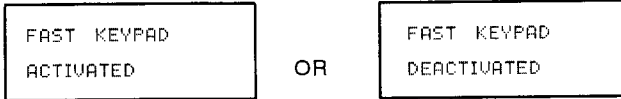
OR

```
QUICK ARMING
DEACTIVATED
```

- Accessing the quick arm select option will toggle the quick arm enable/disable status. If enabled pressing keys [7] and [8] simultaneously will arm the group or groups which were assigned to quick arm. Be sure that user code #68 and option 04 are assigned properly by your installer.

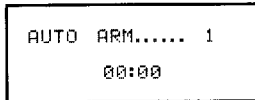
06 to 08: For the testing of the bell, programmable outputs, and buzzer.

10: Keypad display speed select.



- When activated the screen display duration is 2 seconds and when deactivated the duration is 4 seconds.

10: Auto Arm Time of day for Schedule #1.

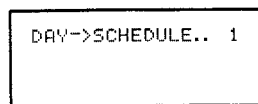


- Hours must be programmed as "military standards" (i.e. 00:00 to 23:59). See the example of Auto Arming on page 30.

12: Auto Arm Time of day for Schedule #2.

14: Auto Arm Time of day for Schedule #3.

16: Day assignment for Schedule #1.



- Simply enter the number of the days you wish to use as schedule #1.

17: Day assignment for Schedule #2.

18: Day assignment for Schedule #3.

MODE DESCRIPTIONS (MODE 6)

DV1660LC (&FLC)

AUTO ARM SEQUENCE:

When the system clock reaches the correct time and day for an auto arm, the DV1660LC arm and will begin the auto arm sequence. This sequence is signified by a keypad buzzer warning lasting 2 to 3 minutes with the message: "AUTOARM....." displayed on the keypad display. Should any user or installer be accessing any user or installer mode when the auto arm sequence begins, the unit will automatically exit the user or installer mode and begin the auto arm sequence.

ABORTING AUTO ARM:

The auto arm sequence may be aborted at any time during the 2-3 minute buzzer warning by simply disarming the system.

EXAMPLE FOR AUTO ARM:

An user wishes to program the DV1660LC with the following schedule:

- Monday to Friday: groups A to D to auto arm at 18:00.
- Saturday only: group B to auto arm at 17:00.
- Sunday: All groups to remain armed.

The following steps should be performed:

- 1) Enter mode 06 (press [*][0][6]), followed by any valid user or installer code.
The display will then show:

ENTER FUNCTION
NUMBER.....:

- 2) Press [0][1] to first set the real time clock (in military standard hours, i.e: 00:00 to 23:59). Enter the desired digits over flashing cursor (the cursor will not move otherwise).
- 3) Press the [*] key to exit function 01. The date and day of the week (functions [0][2] and [0][3]) should also be set.
- 4) After setting the date and day of the week, press [*] and enter function [1][0] (auto arm time for schedule #1). Schedule #1 is chosen for weekdays Monday to Friday, therefore 18:00 should be entered.
- 5) Schedule #2 is chosen for the Saturday arming time, therefore 17:00 should be entered under function [1][2].
- 6) Schedule #3 will not be used in this case, therefore, ensure that a time greater than 23:59 such as 99:99 is entered under function [1][4].
- 7) Next, enter function [1][6] (Day assignment for schedule #1) and enter the digits 2, 3, 4, 5 and 6(which represent days Monday to Friday assigned to schedule#1)
- 8) Enter function [1][7] (Day assignment for schedule #2) and enter 7 (for Saturday). Day assignment for schedule #3 does not need to be set.
- 9) Be sure that the group assignments have been set by your installer for schedules #1 and #2 which are represented by user codes #65 and #66 respectively.

MODE DESCRIPTIONS (MODE 7)

DV1660LC (8FLC)

MODE 07 - ZONE CHIMING SELECT

Press [*]+[07]

NOTE: A zone programmed to "chime" will cause the keypad sounder to beep briefly every time a zone is opened or closed.

1. Press the [*] key.
2. The display should read...

```
ENTER NUMBER OF  
NEW MODE.....:
```

3. Enter the 2 digit code [0], [7].
4. At this point the display will show the chimed zones:

```
ZONES WITH CHIME  
01 02 03 *->
```

If there were no chimed zones.

```
ZONES WITH CHIME  
NONE
```

For example: If there zones 05, 17, 35, 41 were already chimed and you want to chime zone 25, simply enter[25] on the keypad. The display will show the chimed zones starting with your last entry. In this case it was zone 25.

```
ZONES WITH CHIME  
25 35 41 *->
```

Press the [*] key to see other chimed zones.

5. Enter the 2 digit number of the zone to chime or enter its corresponding number to unchime it.
6. Press the [#] key to go back to arm/disarm mode.

NOTE: Entering "00" will unchime all zones selected.

MODES 08,09,10 - ALARM MEMORY DISPLAY (MEMORY GARD)

Mode 08: Zones and FIRE Alarm

Mode 09: Trouble Alarms

Mode 10: Keypad Alarms (Alarms initiated from keypad.)

1. Press the [*] key.
2. The display should read...

```
ENTER NUMBER OF  
NEW MODE.....:
```


MODE DESCRIPTIONS (MODES 8, 9, & 10)

DV1660LC (8FLC)

3. Enter the desired two digit number. (08, 09 or 10)
4. At this point, if you choose the **Mode 08**, the display should read...

```
ALARM IN MEMORY
NONE, EXIT #
```

OR

```
ALARM IN MEMORY
XX XX XX, *->
```

To view more alarms in memory, press the [*] key and the display will show the next alarm until you see "EXIT #". Press the [#] key to return to arm/disarm mode.

NOTE: This mode will only show you Zone alarms and Fire alarms in memory.

If you choose **Mode 09**, the display should read...

```
TROUBLE IN MEM
NONE, EXIT #
```

OR

```
TROUBLE IN MEM
..... , *->
```

To view more trouble alarms in memory, press the [*] key and the display will show the next trouble alarm until you see "EXIT #".

NOTE: This mode can show you the trouble alarms in memory. Refer to the table of troubles on page 22.

If you choose **Mode 10**, the display should read...

```
KEYPAD ALARM MEM
NONE, EXIT #
```

OR

```
KEYPAD ALARM MEM
..... , *->
```

To view more keypad alarms in memory, press the [*] key and the display will show the next keypad alarm until you see "EXIT #".

NOTE: This mode can show you the keypad alarms in memory. Refer to the list of keypad alarms below.

KEYPAD ALARMS

FIRE KEY [F] Key was pressed
PANIC [A] Key was pressed
EMERG. [P] Key was pressed
INV CODE 5 invalid codes were entered

MODE 11: SENDING A USER MESSAGE

Press [*]+[11]+[VALID CODE]

The System is able to send a code to the central station, corresponding to a predetermined message. If this feature is used by your alarm company, you will be instructed which 1 digit number to send corresponding to a given message. Examples: "1" could mean "I will be closing 15 minutes late." and "2" could mean "I will be late closing by 30 minutes." A maximum of 32 messages can be programmed by the installer.

1. Press [*]+[11]+[VALID CODE]
2. Enter a master or (arm/disarm/bypass code, if option 18 is disabled by the installer).
3. At this point, the display should read...

ENTER FUNCTION NUMBER

4. Enter the 2 digit message number.
5. The keypad automatically returns to the Normal (arm/disarm) mode.

MODE DESCRIPTIONS (MODE 12)

DV1660LC (&FLC)

MODE 12: LAST PERSON WHO ARMED/DISARMED GROUP A TO GROUP D

Press [*]+[12]

1. Press the [*] key.
2. The display should read...

```
ENTER NUMBER OF  
NEW MODE
```

3. Enter the two digit number "12".
4. The display should read...

```
LAST ARMED.....A  
USER...#XX*->
```

Shows the user number who was the last to arm group A.

5. Press the [*] key.
6. The display should read:

```
LAST DISARMED..A  
USER...#XX*->
```

Shows the user number who was the last to disarm group A.

7. Press the [*] key, to see the user number who was last to arm and disarm group B, group C, and group D.

- NOTE:
- ♦ User #65, 66 and 67 represent Auto-Arming schedules #1, 2, and 3.
 - ♦ User #68 may represent a quick arming.
 - ♦ User #69 may represent the key arming.
 - ♦ User #70 may represent arming/disarming by central.
 - Press [#] key to return to Normal Mode (arm/disarm mode).

MODE 17 - CHECK FOR IDENTICAL USER CODES

Press [*][17][MASTER CODE #01]

1. Press the [*] key.
2. The display will show:

```
ENTER NUMBER OF  
NEW MODE.....:
```

3. Enter the desired two digit number [1][7].
4. The display will show:

```
ENTER VALID CODE
```

5. Enter master code #01, the display will show:

```
SCANNING USER CD  
XX
```

6. If identical codes are found the display will show:

```
SCANNING USER CD  
10 MATCHES 11
```

- Press [*] to view other codes.

7. If no identical codes are found the display will show:

```
NO MATCH FOUND
```

8. After the display will return to the normal mode.

- Press the [#] key to quit this mode during scanning.

MODE DESCRIPTIONS (MODE 18)

DV1860LC (&FLC)

MODE 18: PROGRAMMABLE ZONE LABELS BY MASTER CODE #01 or INSTALLER CODE

The ZONE LABELS feature permits the user and/or installer to program alternative names to replace "ZONE NUMBER :01", "ZONE NUMBER :02", etc... with names such as: "FRONT DOOR", "BACK DOOR", etc... The label entered can be up to 16 digits in length. For this feature to function, an optional module (DME1) or EEprom 35c116 must be installed, if not the display will show the message **MODULE ABSENT** when you enter mode 18.

1. Press the [*] key.
2. Enter the two digit number [1][8], the display will show:
3. Enter Master code #01 or an Installer programming code, the display will show:

```
ENTER NUMBER OF
NEW MODE.....:
```

```
ENTER VALID CODE
```

```
ENTER DESIRED
ZONE NUMBER...:
```

Example: If you wish to change the label of zone #01 "ZONE NUMBER...01" to "FRONT DOOR", press [0][1] and the display will show:

```
ZONE #01
ZONE NUMBER...01
```

CHANGE TO

```
ZONE #01
FRONT DOOR
```

- The cursor will be positioned at the first digit position "Z"
- To change "Z" to "F" you can use 1 of 2 methods:
 - I. The first method is by pressing [4&5] simultaneously to change the digit in decreasing order or press [5&6] simultaneously to change the digit in increasing order.
 - II. The second method is by pressing the [2] three times to obtain an "F".
- Once the first digit is changed, press [2&3] simultaneously to shift right to the next digit. Then make the necessary changes to the next digit.
- After changing the tenth digit "E" to an "R", press [2&3] simultaneously to shift right to the next digit. Then press [0&#] simultaneously to erase the rest of the digits on the line.

Key Functions: (PRESS)

- [*] Go To Next Label.
- [*&0] Go To Last Label.
- [*&#] Jump To Any Label.
- [1&2] Shift Left To Previous Digit.
- [2&3] Shift Right To Next Digit.
- [4&5] Change Digit In Decreasing Order.
- [5&6] Change Digit In Increasing Order.
- [0&#] To clear the line from the digit that the cursor is on to the end of the line.

When pressing one of these keys sequentially the character changes between 4 different characters according to the following list:

- | | |
|--------------|------------|
| Pressing [1] | A, B, C, 1 |
| Pressing [2] | D, E, F, 2 |
| Pressing [3] | G, H, I, 3 |
| Pressing [4] | J, K, L, 4 |
| Pressing [5] | M, N, O, 5 |
| Pressing [6] | P, Q, R, 6 |
| Pressing [7] | S, T, U, 7 |
| Pressing [8] | V, W, X, 8 |
| Pressing [9] | Y, Z, :, 9 |
| Pressing [0] | , -, ., 0 |

- > When in **Normal Mode**, and there are zones open, **press** [*&#] simultaneously to view the **Zone Labels** of the open zones. Press [*] to view additional zone labels until the message to press [#] is displayed.

MODE 19: PROGRAMMABLE GROUP LABELS BY MASTER CODE #01 or INSTALLER CODE

The GROUP LABELS feature permits the user and/or installer to program alternative names to replace "GROUP A", "GROUP B", "GROUP C", and "GROUP D" with names such as: "HALL", "WAREHOUSE", etc... The label entered can be up to 12 digits in length.

1. Press the [*] key.
2. Enter the two digit number [1][9], the display will show:
3. Enter Master code #01 or an Installer programming code, the display will show:

```
ENTER NUMBER OF
NEW MODE.....:
```

```
ENTER VALID CODE
```

```
ENTER VALID CODE
GROUP A
```

Example: If you wish to change the label of GROUP...A, the display will show:

```
GROUP...A
GROUP A
```

CHANGE TO

```
GROUP...A
OFFICE STAFF
```

- In this example "GROUP A" was changed to "OFFICE STAFF", using the same method as shown in Mode 18.

Key Functions: (PRESS)

- [*] Go To Next Label.
- [*&0] Go To Last Label.
- [1&2] Shift Left To Previous Digit.
- [2&3] Shift Right To Next Digit.
- [4&5] Change Digit In Decreasing Order.
- [5&6] Change Digit In Increasing Order.
- [0&#] To clear the line from the digit that the cursor is on to the end of the line.

When pressing one of these keys sequentially the character changes between 4 different characters according to the following list:

- Pressing [1] A, B, C, 1
- Pressing [2] D, E, F, 2
- Pressing [3] G, H, I, 3
- Pressing [4] J, K, L, 4
- Pressing [5] M, N, O, 5
- Pressing [6] P, Q, R, 6
- Pressing [7] S, T, U, 7
- Pressing [8] V, W, X, 8
- Pressing [9] Y, Z, :, 9
- Pressing [0] , - , ., 0

MODE DESCRIPTIONS (MODE 24,25 & 99)

DV1860LC (AFLC)

MODE 24: VIEW SYSTEM CLOCK

Press [*]+[24]

```
05:29:58
```

MODE 25: WALK TEST MODE

Press [*] + [25] + [MASTER, ARM\DISARM\BYPASS, OR INSTALLER CODE]

Mode 25 "Walk Test Mode" is used to test your security system. You need simply walk around your premises and activate all the zones. This mode can only be accessed by a Master, Arm\Disarm\Bypass, or Installer Code. A Walk Test Report is sent to your Central Station and the Local Printer, if a printer is used. The keypad display will indicate when the test is complete or which zones are left to be tested.

1. Press the [*] key.
2. The display will show:

```
ENTER NUMBER OF  
NEW MODE.....:
```

3. Enter the desired two digit number [2][5].
4. The display will show:

```
ENTER VALIDE CODE
```

5. Enter a Master, Arm\Disarm\Bypass, or Installer Code, the display will show:

```
NONE=0   SIREN=1  
BUZZER=2 BOTH=3
```

SOUND INDICATION:

- 0 = No sound indication when a zone is tested.
- 1 = The siren will sound when a zone is tested.
- 2 = The buzzer will sound when a zone is tested.
- 3 = The siren and buzzer will both sound when a zone is tested.

6. Once the type of sound indication has been selected the display will show:

```
REP. ALL ZONE TO  
CENTRAL? N=0 Y=1
```

DETAILED ZONE REPORT SENT TO CENTRAL STATION:

- 0 = Detailed Zone Report Not Sent to the Central Station. All the zones tested will be reported on the local printer, if the printer option is used.

1 = Detailed Zone Report is Sent to the Central Station. All the zones tested will be reported on the local printer, if the printer option is used.

NOTE: The following Reports (Start Test Code, Number of Zones Not Tested, All Zones Tested Code, and End of Test Code) will be sent to the Central Station and Local Printer, regardless of how you answered the question.

NOTE: Zones are reported only after they have gone into alarm and have been restored, during the Walk Test. Each zone can only be tested once and will only send one code to show that the zone was tested.

7. The Walk Test starts after the report to central question is answered. It lasts 15 minutes, or until the [#] key is pressed. During this time the display will show:

```

ZONE TO TEST:
01 02 03 04 *->
  
```

The display will list the zones left to be tested.

NOTE: Zones of Type 9 (No Alarm) or B(Probation) are not displayed or reported during the Walk Test.

Example of Local Printer Printout:

```

Date Time Message
24\04 16:30 ZONES TO TEST: 14
24\04 16:31 ALARM ZONE #01
24\04 16:31 ALARM ZONE #02
24\04 16:32 ALARM ZONE #05
24\04 16:33 ALARM ZONE #08
24\04 16:33 ALARM ZONE #10
24\04 16:34 ALARM ZONE #13
24\04 16:35 ZONES NOT TESTED: 08
24\04 16:35 END OF TEST
  
```

8. When all the zones have been tested the display will show:

```

TEST COMPLETED
  
```

Press the [#] key to quit this mode at any time during the test.

MODE 99: LANGUAGE SELECT

Press [*]+[99]

This mode is provided so that the user may switch between French and English language messages. To enter this mode from the Arm/Disarm mode simply press * 99 and the following will be displayed.

```

ENGLISH = 0
FRANCAIS = 1
  
```

Press: 0 for English
1 for Francais

DISCONNECTION BY THE CENTRAL STATION

If the following message is appearing on your keypad display:

DISCONNECTED BY
CENTRAL STATION

This signifies that your system has been disconnected by the central station. Contact your alarm company as soon as possible in order to find out the reason for this disconnection.

TESTING

IT'S RECOMMENDED THAT THE SYSTEM BE TESTED ON A WEEKLY BASIS.

1. Inform the monitoring station that you are testing your system.
2. Disarm the system (ready light ON).
3. Perform a Bell test by pressing [*], [06], [MASTER CODE or Installer Code], and [06]. The signal will sound for about 2 seconds. If a trouble occurs after the test, press [*], [02] to view the trouble condition.
4. Activate each sensor in turn e.g. Open a door/window and observe the display.
5. If the FIRE zone is used, activation will cause the signal to sound in a pulsed mode.

CAUTION: Do not use open flame or burning materials to test a smoke detector. Contact your installer for information on safe methods to activate a smoke detector.

6. Should your system fail to operate properly, call your installer for service.
7. When testing is complete, call and advise the monitoring station.

MAINTENANCE

With normal use, the system requires minimum maintenance. The following should be observed:

- 1) Do not wash the keypad with a wet cloth. Light dusting with a barely damp cloth should remove normal accumulations of dust.
- 2) The battery/bell test is designed to determine battery condition, however it is recommended that the standby battery be replaced every three years.
- 3) For other system devices such as smoke detectors, passive infrared, ultrasonic or microwave motion detectors or glassbreak detectors, consult the respective manufacturer's literature for testing and maintenance.

LIMITED WARRANTY

Sur-Gard Security Systems Ltd. warrants that for a period of twelve months from the date of purchase, the product shall be free from defects in materials and workmanship under normal use and that in fulfillment of any breach of such warranty, Sur-Gard Security Systems Ltd. shall, at its option, repair or replace the defective equipment upon return of the equipment to its repair depot. This warranty applies only to defects in parts and workmanship and not to damage incurred in shipping or handling, or damage due to causes beyond the control of Sur-Gard Security Systems Ltd., such as lightning, excessive voltage, mechanical shock, water damage, or damage arising out of abuse, alteration or improper application of the equipment.

The foregoing warranty shall apply only to the original buyer, and is and shall be in lieu of any and all other warranties, whether expressed or implied and of all other obligations or liabilities on the part of Sur-Gard Security Systems Ltd. Sur-Gard Security Systems Ltd. neither assumes, nor authorizes any other person purporting to act on its behalf to modify or to change this warranty, nor to assume for it any other warranty or liability concerning this product.

In no event shall Sur-Gard Security Systems Ltd. be liable for any direct or indirect or consequential damages, loss of anticipated profits, loss of time or any other losses incurred by the buyer in connection with the purchase, installation or operation or failure of this product.

WARNING: Sur-Gard Security Systems Ltd. recommends that the entire system be completely tested on a regular basis. However, despite frequent testing, and due to but not limited to, criminal tampering or electrical disruption, it is possible for this product to fail to perform as expected.

How to Contact Us:

Sales

For information about additional products, please call our sales number: 1-800-418-7618, or e-mail us at sales@sur-gard.com.

Technical Support

If you have questions or problems when using Sur-Gard products, you can call our Technical Support Department, or e-mail us at support@sur-gard.com. If you are within the United States, Puerto Rico, the U.S. Virgin Islands or Canada, you can get support by dialing 1-800-503-5869 ext.1. If you are outside these areas, please call (416) 665-4494 ext.1, Fax (416) 665-1500.

Internet

Sur-Gard is now on the World Wide Web. You will be able to search the Sur-Gard technical information database and read information about new products at our web site. You will also be able to send us your questions. Our World Wide Web address is <http://www.sur-gard.com>.