
Your security system *g*uide

EasyLoader Series

2000 and 3000

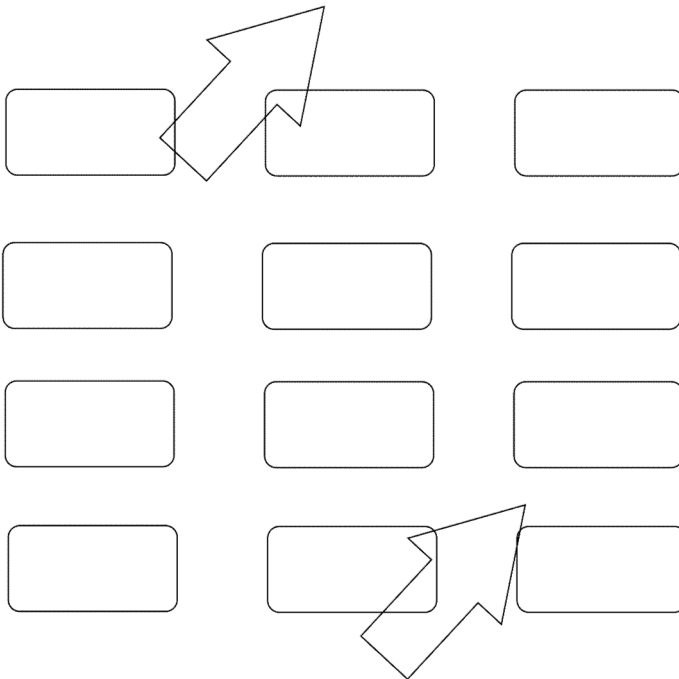


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System Configuration

Zone Index

Zone	Description	Type	Zone	Description	Type
1			9		
2			10		
3			11		
4			12		
5			13		
6			14		
7			15		
8			16		

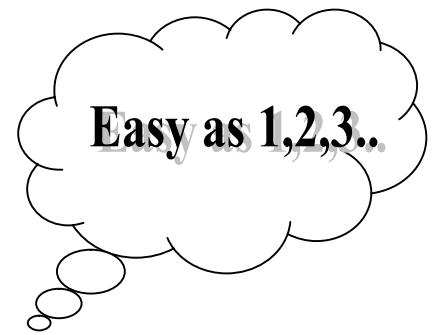
Installation Data

Installer	CS Information	Programmed Telephones
Phone:	Phone:	
Mobile:	Account No.:	
Installation date:	Contact Person:	

Zone/s at Home Mode	Siren Times	Silent Zones

Notes

EasyLoader™ Series Alarm Control Panels



End User Operating Manual (For version 2.18 up to 3.06)

Congratulations for purchasing this state-of-the-art computerized security panel. You have made a wise investment in the future safety of your home or business premises with this high-technology security system, however it's still as *EASY* as 1,2,3.

If you have one of the new series 3000 alarm refer for details regards the SMS in the system technical manual.

Introduction

Review this manual carefully before operating your security system.

Your installer should instruct users how to operate the system and about its various features. Complete the System Configuration page and store this manual in a safe place for future references.

Safety and Maintenance Instructions

Your security system cannot prevent burglaries, emergency cases or damage to your property. It is only intended to alert emergencies.

To keep your system efficient as intended, it is recommended to test the system daily upon arming and weekly testing the siren and detection devices. Read the 'Testing your System' section. If your system does not function properly, contact your installer. Keep the keypad dry; clean the keypad with dry cloth. Never disconnect the main AC to your system.

Glossary

Your security system has been designed to offer the latest security features with simple and easy operation. Described here, are some terms that are used throughout this manual to explain the common terms.

Group Bypass - (In certain countries called Home mode)

'Group Bypass' allows bypass of few zones determined by the installer to be bypassed at once by entering a short keys combination prior to Arming. AV-707B is most convenient keypad for simple 'one key press' for Group Bypass and Arming.

24-hour Zone

A zone programmed for 24-hours protection. Zone is active in both Armed and Disarmed modes. When a 24-hours zone is troubled, alarm will sound in both Armed and Disarmed mode.

Battery

Standby rechargeable battery located in the control box, provides emergency backup power in case of power loss.

Bypass (Shunt) a zone

Allows manual removal of one or more protected zones from the system.

Day and Tamper Zone

A zone programmed as a 'Day' or 'Tamper Zone' enables alarm from keypad's buzzer during daytime, when system is usually disarmed. The 'Day' or 'Tamper zone' will trigger the keypad buzzer and the zone number will flash on keypad display. To reset 'Day Zone' alarm, hold-down key 9 (reset key).

During Armed mode, this zone will act as burglary zone and will emit an alarm when troubled.

Dialer and Communicator

Alarm reports directly to predetermine stations via telephone lines. The dialer reports an alarm to your telephone, a siren or a recorded message. To report a recorded message the SVM-40 electronic module is required.

DTMF

Shortening for the most common dialing protocol "Dual Tone Modulated Frequency". Av-Gad panels use the DTMF for dialing and in latest alarm panels also used for remote commands like Arming, Disarming, Zone Bypass, and some more functions.

Digital Display

Keypad enhanced LED 7 segments display. Provides alphanumerical readout of zone status and messages.

Entry Delay

The Entry Delay is the period allowed for someone to enter the premises and disarm the system.

Entry-Exit Zone

The entry-exit door or zones are designated by your installer to be used for entering and leaving the premises when the system is armed.

Exit Delay

The Exit Delay is the period allowed for users to leave the premises after arming the system.

Fire Zone

A zone programmed for connection of fire or smoke detector. Alarm heard in both Armed and Disarmed modes, and Fire LED is activated.

The siren sound is different from the 24H zone or burglary alarm (it depends on the siren type used). To reset Fire alarm, hold-down '9' key and your code.

'Follow-Me' Programmable Telephone Number

Follow-Me it's a dialer feature. The desired Follow Me Telephone number is programmed by the user prior to arming – as necessary (to follow the user destination).

Follower Zone (also called conditioned Zone)

Follower Zone reacts instantly upon detection without previous triggering of Delayed zone. Exit delay applies to Follower zones and Delayed zones.

Hold-down Functions

Holding down keys for about 2 seconds provides additional easy-to-access functions.

Instant Arming

System Instant Arming. Short press on key 5 instantly arms the system.

Instant Zone

Zone feature. The system reacts instantly upon detection at a zone which has been programmed as 'Instant.'

Key-switch (optional)

Located on control panel door or remote panel. Used for arming/disarming the system.

Keypad

Your system contains one or more keypads. The keypad is used to operate the system and display information about the system. Commands are entered on the keypad by pressing one key at a time.

LCD

Shortening for 'Liquid Crystal Display'. This type displays full texts, zone locations, messages, etc. AV-706 and AV-707 are LCD type keypads.

LED

Shortening for 'Light Emitting Diode'. LED is a modern bulb. LED visually displays the system status and confirms the functions.

Master Code

The Master Code is a 4 to 6 digits code, is used to arm and disarm the system, to program your codes and to bypass zones (in certain models). Normally, only one person should know the Master Code. Your default master code is 1,2,3,4.

Panic Button

Two keys (* and #) on the digital keypad, for alerting the central station in case of emergency.

Programmable Features

Computerized control panel allows system tailoring to suit individual requirements.

Smoke Detectors

Triggers alarm upon detection of smoke. Smoke detector requires reset after alarm.

Sounder

The sounder (in Keypad) simplifies alarm recognition by producing different amounts and sound patterns to identify various events. The sounder also functions as key-press confirmation.

Siren

The siren generates noise and light indication (when strobe included) in order to indicate burglary, fire or other emergency cases. It's recommended to install a siren indoor and outdoor of the protected site.

SMS Message (Short Message Service) for series 3000

SMS is the text communication service component of series 3000 alarm panels, in case of alarm or other selected events the alarm system sends you the same message displayed on your LCD keypad to your SMS enabled phone. The transmitted events are programmable.

User Codes

One master and seven codes are available to allow users to arm and disarm the system and to bypass zones. Keep the code confidential to ensure maximum system security.

Zone (also called Area)

An area protected by a security device. For example, a room protected by a motion detector as Zone number 1, while a door protected by a magnetic contact as Zone number 3. Your installer will inform you which zones have been set up on your system. The AV-701 contains a zone index list. The AV-707 LCD keypad displays the zone description, like "Garage", "Jimmy's Room", etc.

Basic Operations

Arming Your System

Before arming your system, close all protected doors, windows, and do not move around areas protected by motion detectors. When all protective zones are closed, the Green Status LED stops blinking. Exit door and other delayed zone may stay open upon exit the protected areas.

To arm the system, enter your code. At each digit entry, the keypad sounder will beep. When the code has been entered, the Armed LED will light. If an incorrect user code is entered, the keypad will sound a single long tone. To correct the mistake, press '9' and enter the code again.

When the Armed light is on, leave the premises through the designated entry-exit door before the exit delay expires. At the end of the exit delay, all lights on the keypad will be shut off, except for the Red Armed light. Your system is now armed.

The factory setting for the exit delay is 30 seconds; your installer may change this time to suit your needs. Refer to the Arming Options section of this manual for information on other arming functions.

Disarming

Enter the premises through the designated entry-exit door. The keypad will sound a constant tone to indicate that the system must be disarmed.

Enter your code at keypad, if an error made while entering the code, press '9' and enter the code again. After six wrong entries, the keypad locks itself for 30 seconds, keys do not respond during this period.

When a correct code is entered, the armed light shuts OFF, and the sounder is silent. Your system is now disarmed.

Enter your code before the entry delay expires (to prevent alarm). The factory setting for the entry delay is 12 seconds; your installer may change the time to suit your needs.

If an alarm occurs while the system is armed, the Armed LED blinks. Refer to 'Display Alarm Memory' for instructions on displaying the zones in alarm.

Ambush Disarming

If you are forced by an intruder to disarm your system, the Ambush alarm can be activated. Disarming the system with the Ambush code will cause the system to disarm and simultaneously send a silent ambush alarm signal to central Station. This is an optional feature. For details ask your installer.

IMPORTANT: If you return to the premises and find that an alarm is in progress or there are alarms in memory, do not enter the premises, as an intruder may be present. Contact local authorities from your mobile or public phone.

Note:

Zone Bypassing

A 'Bypassed' zone will not cause an alarm. Zones may be bypassed to allow access to part of the protected area while other zones are armed. For example, you could bypass the zone protecting your living room. This would allow you to remain in the room, while the other zones on your system are armed.

With the system disarmed, hold-down '2' key to display bypassed zones. The zone number displayed represents bypassed zones. Ensure that any zone displayed as bypassed is intentionally bypassed. Zone bypasses are automatically cancelled when the panel is disarmed.

How to Bypass Zones

To bypass a zone, press '0' key and the zone number (1 to 8, or 1 to 16 in AV-2016), the Shunt (Bypass) Yellow light is on in confirmation, enter your arming code, Armed Red LED goes on.

To remove a bypassed zone, arm then disarm the system, re-enter the bypassed zones.

When you arm your system, the zones you have indicated will now be bypassed. When arming the system with bypassed zones, it is always recommended to review the list of bypassed zones before entering your code to arm the system. After bypassing the desired zones, enter your code to arm the system.

Arming Choices

Group Bypass (Home Mode)

Arming with Home mode, automatically bypasses the zones programmed as Group Bypass. This feature allows you to arm the system and remain on the premises.

For new systems, version 2.17 and later: To bypass first group, press "0" and hold-down "1", to bypass second group, press "0" and hold-down "2", to bypass both groups, press "0" and hold-down "0". AV-707B keypads are most convenient for arming with home mode, one button press for group bypass and arming.

At 'Home Mode' another person would still be able to enter the premises through the entry/exit door without causing an alarm (requires special programming). To disarm the system when the entry/exit door is opened, enter your user code.

Away Arming

Close all protected doors and windows, you can move in front of the delayed detector. Enter your code and check if the Armed LED is on. In case of arming with an open zone, 'a ≡' (three lines) sign will be displayed, indicating that the system is disarmed warning about an open (troubled) zone.

Instant Arming

The Instant Arming feature allows you to press '5' key to arm the system.

This command is designed to allow user to arm the system without needing a full user code.

Note: The instant arming is not recommended. This will allow easy arming by someone who is not a regular user.

Note!

Auto Arming

This feature provides setting of the desired system arming time when the regular user is away. Auto Arming is useful for shops and sites requiring long exit delay.

Enter to user programming mode; hold-down '8' key then enter your master code, three led lights will blink.

Hold down '8' ('A' is displayed). Enter the time in 24 hours format.

To display, hold down '8' and wait.

To disable Automatic Arming program, press 0000.

After Automatic Arming is programmed, the system time can be set only via User Programming Mode: Enter User Programming Mode (hold-down '8' and 1234), hold down '1' ('t' is displayed) and type hour and minutes. Hold down '1' and wait for the time to be displayed. Holding down '0'+ '1' keys to program the time is possible only if the Automatic Arming is disabled (otherwise an 'Error' warning is displayed).

Automatic Arming will not operate if the system time has not been set (blinking 'h').

Automatic Arming will not operate if the control panel is already armed.

Automatic Arming will operate even if the control panel is currently in ALARM.

When the Automatic Arming programmed time arrives, the system starts at a 30-seconds countdown. An 'A' is intermittently displayed and beep sounds at keypad.

During the countdown period, the Automatic Arming can be aborted by entering a valid user code (not code No. 7, if used to 'open' a door).

Remote Arming via Remote Key or DTMF

The Remote Arming allows you to use a remote key switch, or wireless (Av-Gad set AVS22) tiny transmitter to arm the system. This command is designed to arm the system without a code, or for convenient arming from your car. **Remote functions**

with DTMF:

“D” suffix (D for DTMF) alarm panels type provides certain remote functions.

The DTMF remote control functions:

- ➔ Check the control panel status (Armed/Disarm, Alarm in progress)
- ➔ Inform the zone number that caused alarm, beeping the zone number on the phone
- ➔ Arm and disarm the control panel
- ➔ Bypass zones or clear all bypassed zones
- ➔ Stop the dialer report during alarm
- ➔ Momentary activate A1 (alarm) output for three seconds

Verify with installer that the system is programmed to answer income calls.

To get on-line, dial to the control panel. The control panel will answer the call after the number of rings (as programmed). When answering the call, control panel sends a greeting tune sound, enter your user code within 5 seconds (1234) and confirm pressing the '#' key (# is the Enter key).

When a valid user code is received, followed by # in your phone, the control panel acknowledges it by a special tune. Otherwise an error tune is sounded. Note: Arming the "D" control panel by the remote user via DTMF is possible even when zones are troubled.

Remote DTMF feature requires telephone line (at panel side) without fax or similar connections.

Note!

After control panel acknowledges the user code, it will stay ON-LINE no longer than 3 minutes, providing enough time for the user to perform various operations.

If the panel does not detect activity, it will shorten the ON-LINE time and eventually will hang up.

When the control panel calls your phone during an alarm, it will first generate the siren sound for about 30 seconds (to shorten time ask your installer). The siren sound will stop 10 seconds before the end of the call and a greeting tune will be sounded, you can now enter your code followed by #. To stop the dialer, enter 6 #, to get panel status (armed or disarmed) enter 7 #. Reports first zone number to get into alarm, beeps count for the zone number, enter 7 and 7 #. To arm the panel enter 1 #, to disarm the panel enter 2 #. To end the processes press 9 #. To Activate a home appliance (requires hardware and programming) press 3 #.

To learn different tunes call your system and use 8 X then # X is the function number):

1- Greeting tune. It will be heard only once, after the control panel answers the call (or calls the user). It indicates that the panel expects a valid user code.

2 - "User code" accepted.

3 - "Error" - Will be sounded in the following cases: Incorrect user code, command not defined/valid, incorrect input, trying to bypass an undefined zone, command could be not carried on, on-line time out or call ends.

4 - "Confirmation" - Will confirm that the requested action has been carried out.

5 - "Armed"- Control panel is Armed.

6 - "Disarmed" - Control panel is Disarmed.

7 - "Alarm On" - Control panel is in Alarm position. This warning will be sounded from time to time during idle periods.

Remote DTMF function example

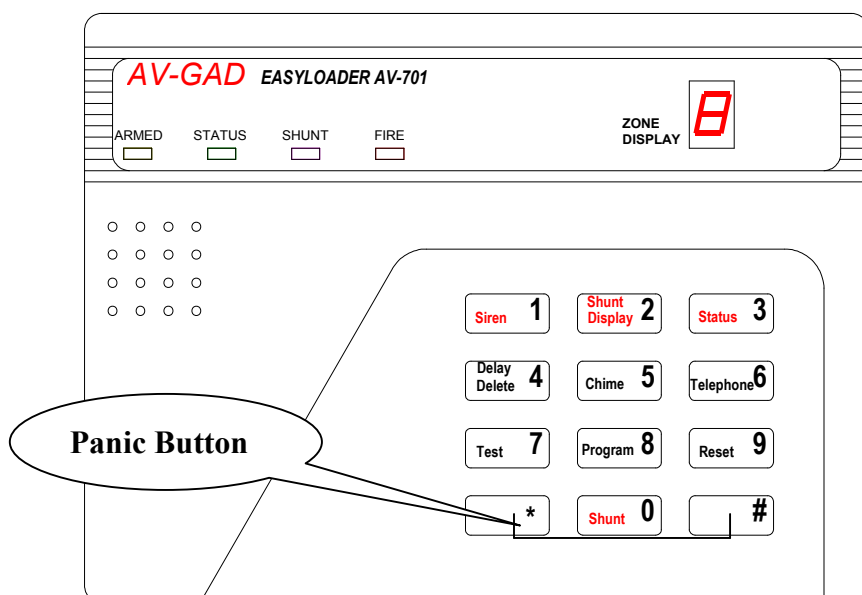
For example, let's assume that your kid arrived home and he cannot disarm the alarm panel.

- ☞ Call your alarm telephone number (tell the kid **not** to pick up the phone)
- ☞ After a few rings, your system answers. A greeting tune is heard
- ☞ Enter your user code: 1 2 3 4 #.
- ☞ Confirmation tune is heard. If alarm is on, siren tune is heard
- ☞ Press 2 # and wait for the confirmation tune
- ☞ To re-check the system status press 7 # and wait for the system status tune

In case the system is still on, re-enter 2 # or try to enter your user code, then 2 #.

AV-701, AV-702 Keypads (LED type)

AV-702 keypad contains identical keys and LED structure to AV-701.



The Status LED is on when all the zones are closed.

The Red Armed LED is on when the system is armed.

The Shunt LED indicates that a zone is bypassed.

Blinking 'h' means that the system time is not set; hold-down key '1' key then '0',

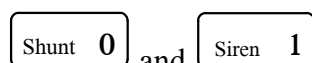
three LEDs are blinking, enter time in 24 hours format.

Hold-down functions

To hold-down function access, hold down the key for approximately 2 seconds.

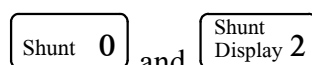
Hold down function is confirmed by a prolonged beep. Refer to hold-down list:

1 - Siren Test	4 - Delay Delete	8 - Code Programming
2 - Display Bypassed	5 - Activate Chime	9 - Delete Last key Press
Zones	6 - Telephone	0 - Display Alarm History
3 - Display Troubled	Programming	* and # - Panic
Zones	7 - Zone Test	



Display and Setting of System Time: Hold down '0' key and then hold-down '1', three LEDs are blinking, wait for the time to be displayed in 4-digits format.

To set new time, hold down key '0' and then hold down '1'. Do not wait for time display; enter the new time in 24-hours format. The local clock time is not stored in the system memory; clock must be adjusted after power-up. After powering-up the system, time is reset to 00:00, 'h' will be displayed to remind user to set time; 'h' will disappear after the new time is set.



Display and Setting of System Date: Hold down '0' key and then hold-down '2'; 3 LEDs will blink. Enter date: 'day-month-year.' The up and download PC software displays time and date, along with history event. Years 1978 through 99 as 78 to 99. Years 2000 through 2077 00 to 77

The local date and time is not stored in system memory. Adjust date and time after a long power failure.

Note:

LED Indicators

Four led lights provide visual indication of System status as well as confirmation of various modes.

○ **Red Armed/Alarm Indicator** - Lights up when system is armed and blinks after an alarm is triggered at any zone. Blinking indicates alarm history in memory.

○ **Green status Indicator** - Blinks when zone/s is/are troubled, remains lit as long as zones are not troubled, quick blinking indicates tamper alarm.

○ **Yellow shunt (Bypass) Indicator** - Lights up upon zone bypass.

(Note: Yellow shunt may light automatically upon arming if Auto Bypass was programmed).

The indicator also lights and blinks upon Group Bypass entry (by pressing '0' twice).

○ **Red fire (Trouble) Indicator** – Blinks rapidly when a Fire Zone is troubled.

○○ **Two led lights Flashing (Left Most LEDs)** - In user code programming mode, quick blinking indicates code or code index to be entered.

In Disarmed mode, the two left-most LEDs are blinking to indicate 24H-alarm mode. Zone number will also be displayed.

○○○ **Three led lights Flashing** - In Disarmed mode, rapid blinking indicates AC power failure. AC power failure event is displayed in Events History as three lines ≡.


In Armed mode, rapid blinking indicates system restored after AC Power Failure mode.

During the programming of the 'Follow-me' telephone number, three flashing led lights indicate that system is expecting a new telephone number.

○○○○ **Four led lights Flashing** – Press and hold down key '8,' the system is waiting for code entry.

System with bypass via code: Same LED indication when code is expected for Bypass via code.

Setting New Code with AV-701 LED keypad


1. Hold down key 
2. While four led lights are blinking, enter the master code (default 1234)
3. If code is valid, the four led lights will stop blinking, and 'u' will be displayed
4. The two Left-Most LEDs blink to indicate that the system is waiting for a new user code index (user 1 to 8) to be entered
5. Enter the code index (1 for code No. 1; 2 for code No. 2, etc.). User index will be displayed for 2 seconds, until further digits are entered (eliminate confusing of index number and code)
6. The two right-most LEDs blink to indicate that the system is waiting for a new code (1 to 6 digits) to be entered. **If user code is not entered, the code is voided.**
7. Enter the new code; 'U' is displayed for confirmation
8. Wait for 'u' (small u). To quit code setting, hold-down '9'

Keypad display

The 7-segments (also called LED keypad) display provides visual readout of the system status. The display indicates zones in alarm, troubled zones, bypassed zones and displays the following confirmation letters:

Display	Description	Function
A	<i>Up & Download</i>	Modem 'Answer Now' function selected. Confirms hold-down '6' key then hold-down '1' key. 'A' also displayed upon Auto-Arming programming
C	<i>Communication</i>	Displayed at dialer tests, and upon holding-down '6' key
C	<i>Communication</i>	C flashing in display indicates telephone line trouble
c	<i>Chime</i>	Confirms Chime mode via '5' key
c	<i>Closing</i>	When events log is displayed Indicates Arming followed by user number
d	<i>Delay Delete</i>	Confirms Delay Delete Upon holding-down '4' key
P	<i>Dial Delay</i>	When programming telephone number that requires an inter-digit delay ('Pause') during dialing. (Delay duration is 2 seconds.)
E	<i>Error</i>	Indicates programming and operation error
h	<i>Home</i>	Indicates entering of Home Mode (Group Bypass)
h	<i>Hour</i>	Displayed after power-up to remind user to set the system time: 'h' will be removed after time setting (using keys 0 and 1).
H	<i>Hold-Up</i>	Upon Panic triggering from Keypad
o	<i>Opening</i>	Indicates system opening (Disarming). Followed by user number when events log is displayed
L	<i>Low Battery</i>	Indicates Low Battery – Call your installer
P	<i>Program</i>	System is in programming mode
t	<i>Tamper</i>	Indicates zone's Tamper alarm
U	<i>Update</i>	Confirms programming updating
u	<i>User</i>	'u' (user) followed by user number when events log is displayed and system is in user code programming mode
≡ (Three lines)	<i>Arming Denied</i> or <i>AC Failure event</i>	≡ Displayed upon Arming attempt with non-delayed (instant) zones in trouble. ≡ Displayed after AC failure, in history display at the AV-701 keypad, indicating the power-fail event

Delete a User Code

1. Hold down key 
2. While four led lights are blinking, enter code No. 1 (default 1234)
3. If code is valid, four led lights will stop blinking, and 'u' will be displayed
4. The two left-most LEDs blink to indicate that the system is waiting for a new user code-index (user 1 to 8) to be entered
5. Enter the code index you want to delete (1 for code No. 1; 2 for code No. 2, etc.)
6. The two right-most led lights blink to indicate that the system is waiting for a new code
7. Hold-down '9' key to quit code setting

If user code is not entered, the code is voided. A short beep confirms that the code has been deleted.


Note!

Setting the Follow-Me Telephone Number

The 'Follow-Me' feature is applicable only with the dialer; in alarm, Follow-Me 1st number is dialed first if the communicator (communicator dials to central station) is not selected.

1. Hold down '6' key twice; wait for the blinking of the three led lights
2. Enter Telephone Number (maximum 16 digits and 4 pauses), and wait until all led lights stop blinking. The 'Follow-Me' number is now programmed
3. To delete 'Follow-Me' number, access 'Follow-Me' programming mode as described in paragraph 1, but do not enter any number

Programming Telephone Numbers

1. Hold down key 8 
2. While four led lights are blinking, enter the master code (default 1234)
3. If code is valid, four led lights will stop blinking, and 'u' will be displayed
4. The two Left-Most LEDs blink to indicate that the system is waiting, hold down keys "6"+"1" for first number, "6"+"2", "6"+"4" followed by the telephone number, 'U' is displayed for confirmation. If number not entered, the system will display the telephone number. To erase a number hold down continuity "6", hold down "1", then hold down "9" to erase the first number, wait for 'u', to quit setting, hold-down '9'.

Sounder

The Keypad sounder enhances the use of system operation and serves as a local alarm device (requires programming).

Several programmable features set the sounder functionality. Ask your installer for more details.

With AV-705, 706, 707 (LCD keypad) the user is able to switch the buzzer on and off at each keypad. Holding down keys "0" and "#" simultaneously turn on and off the internal buzzer.

The sounder emits sounds in the following instances:

OPERATION	SOUNDER RESPONSE
◆Pressing of any key	Short confirmation beep
◆Hold-down functions	Long confirmation beep
◆Faulty programming input	Long beep (+ 'E' display)
◆Delayed Zone triggering	3 Long beeps
◆Exit delay starting (if programmed)	Warning beeps until the delay is over
◆Completion of Arm/Disarm programming code	One long confirmation beep
◆Programming Telephone numbers	Two confirmation beeps
◆Completion of address programming	Two confirmation beeps
◆Pressing 'Code 7' for driving door opening	Seven confirmation beeps
◆ System Arming with Instant or 24 hour troubled zone	Five warning beeps + troubled zone
◆ Feature programming	Two confirmation beeps
◆ Follow-Me number programming	Two confirmation beeps
◆During alarm (requires programming)	Intermittent beep until alarm reset

AV-707, AV-706, AV-705 Keypads (LCD fits PRO & Dublo panels)

Introduction

The AV-707 *EasyKey*™ is the future-generation keypad, with the New Look shape, fully-customized microprocessor based remote station, multitasking functions with 32 Keypad ID's. AV-705, 706 provide similar functions. For more details, refer to the AV-707/706 manual. The AV-705 is an economical keypad, its shape similar to the AV-707 and supplied without the LCD display. The AV-707B contains three extra keys used for different emergency alarms, fast and convenience 3 home modes. AV-707B is available in Metal Gold or Silver color. The AV-707, 706 and 705 fits only PRO and Dublo type control panels.

After power failure, 'Set Panel Time' is displayed. To set time hold-down '0' key then Hold-down '1', enter time in 24H format and press #. To set the date, hold-down '0' key then hold-down '2', enter date in day-month-year; format and #.

The AV-707 keys and Hold-Down functions are identical to the AV-701 functions, you can speed up the function by pressing '#' key – the ENTER key.

The sounder and Led lights and indications are the same as described for the AV-701.

The # key in LCD keypads is mostly used as an ENTER key, typed at the end of a command

Note!

LCD display

The LCD display helps understanding the system status and zone locations by reading in plain text the system messages, zone description, time and other indications.

The first row displays system announcements, like: System Disarmed, Alarm, Low Battery, etc., second row displays the zones status.

Each '—' sign represents a zone. If a zone is open, the zone's number like 123—567— will replace the —.

If a zone is bypassed a '*' appears instead. The control panel time is displayed in the five rightmost positions.

The LCD displays often the installer LOGO (the logo is editable). For displaying zone description hold-down '3' key twice.

To save power, the LCD and keys backlight turns OFF after 60 seconds of no typing activity (it turns ON again when an alarm occurs).

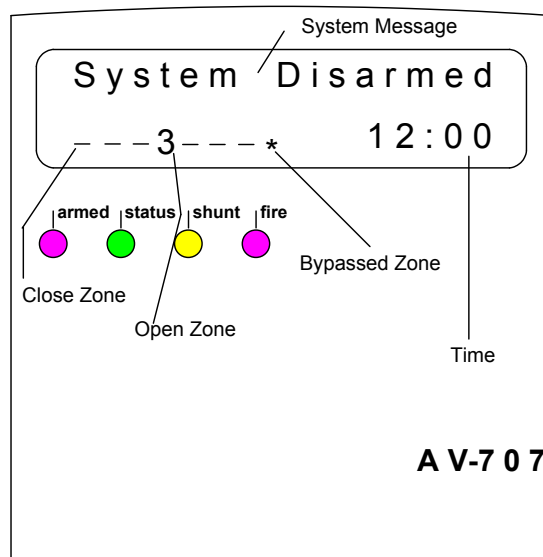
Most of the accessible functions with the LCD Keypad are similar to those of the AV-701 (seven segments keypad).

Key Entries

Keys typed at the keypad are concealed (as they are part of the User Code). '* * * * *' signs are displayed.

In Armed and Disarmed mode, after six attempts to enter fault code, the keys will not respond for 30 seconds, in order to prevent code break exigency.

During all kinds of programming, keys are displayed as they are typed (some combinations are exceptional).



Setting New Code & Group bypass with AV-706, 707 keypads

To enter User Programming mode; 'Hold Down' key '8' (program).

The three Rightmost LEDs start blinking; enter the Master User Code (factory default **1 2 3 4**) followed by # (Enter). The upper line displays 'User Programming', the lower line is cleared and a blinking cursor appears.

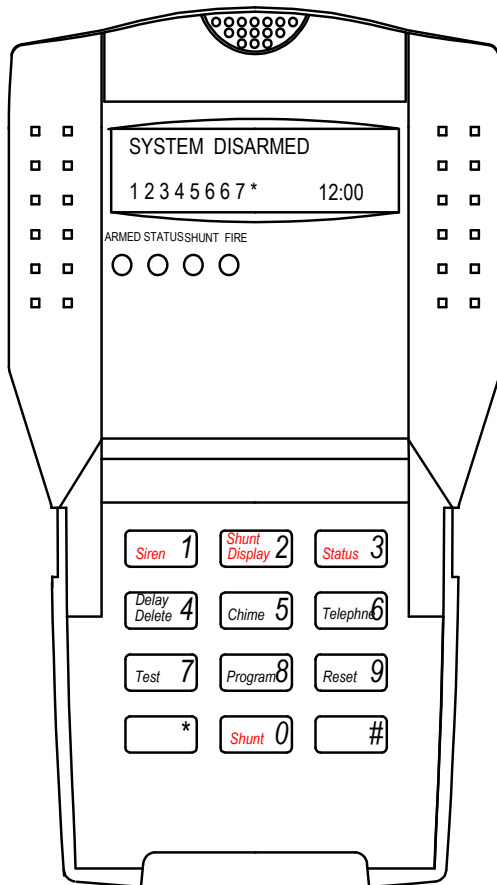
The Leftmost two LEDs will start blinking indicating that 'location' is expected. In this case, location means 'User Code' index to be modified, erased or programmed.

User Index means User Number 1-8, as system contain eight different user codes.

Enter a two digits number from 01 to 08 (2 digits required). After the index had been entered (the 'location'), the upper line is

cleared, the blinking cursor moves to the beginning of the line, three Rightmost LEDs start blinking indicating that data is expected (in this case the new User Code).

Enter a one to six digits code. Key '*' corrects the input press, as backspace or Hold Down key '9' (reset) to cancel the input. Press '#' key (as ENTER) for confirm.



The control panel will verify that the new code is not in use by other user (if that happens you'll be notified) and respond by displaying the code. At any time after the control panel response, you can start typing a new index (there is no need to wait for the announcement to disappear).

To erase an existing code: Enter user index number (01, 02, 03....), hold down simultaneously keys '*' and '#', followed by #, E (erased) will be displayed.

The Master (code number 01) cannot be erased. Type '99' followed by # to exit User Programming mode.

Setting Follow-Me Telephone at AV-706, 707

To display the Follow-Me telephone number; hold down '6' (type '#' for faster display) and the control panel will display the number (or the 'empty' announcement if there is no telephone number currently programmed).

To program the Follow Me telephone number Hold Down twice the '6' key. The three Rightmost LEDs blink, indicating that the keypad waits for input.

On the upper display line, a blinking cursor will appear, type the number (digits from 0 to 9), hold down * for '*' digit, hold down '0' key for Pause (a 'P' will be displayed) or press simultaneously '*' & '#' to erase the phone number (a 'E' will be displayed). To correct the input you can use the '*' as a backspace erasing key.

Group bypass (home mode)

If you want the system to disable few zones during night time for example, ask installer to define a group bypass zone/s. Bypass is operative only if System is armed within 60 seconds from the entry of this feature. Yellow LED will flash and 'h' (Home) displayed for 1 second in confirmation. Commands to bypass group of zone/s:

- 0 & hold-down key 1 - Arm with group 1 bypass, or 0+0 - Group 1 Bypass
- 0 & hold-down key 2 - Arm with group 2 bypass, or 0+0+0 - Group 2 Bypass
- 0 & hold-down key 0- Arm with group 1+2 bypass, or 0+88 - Group 1+2 Bypass

Each command works as a toggle SET/CLEAR. The AV-707B (with extra 3 keys) keypad provides arming and group bypass by pressing * than hold down one key;

Button A (most left): Selects Group Bypass No. 1 (if programmed so) and arms the system. Press * key than hold down key A. For AV-707 (without 3 buttons) press 0 and 1

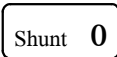
Button B: Selects Group Bypass No. 2 (if programmed so) and arms the system. For AV-707 (without 3 buttons) press 0 and 2

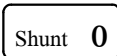
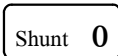
Button C: Selects both Group 1 and Group 2 and arms the system.


Displaying System Information

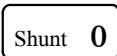
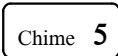
Alarm Memory Display

Alarms generated when the system is armed are recorded in the system's memory. Press key '0' to display the zones in alarm.

1.  **Concise Alarm History (Events Log):** Hold-down '0' to display the last alarm sequence. New alarm will erase the old events.

2.  and  **Detailed Events History (requires programming):** Hold down '0' and again hold-down '0' to display up to 99 events, like: System opening and closing by user number, opening or closing time, zone-caused alarm and AC failure. Your PRO panel stores up to 250 events displayed by the EasyLoad program, the keypad display 99 events only.

By holding-down key  twice, three LEDs start blinking, indicating a special operation mode. The events are displayed from the most recent events to the oldest ones.

3.  and  **Display Last 2 Users:** Hold down '0' and then hold down '5' to display user number and System opening or closing time. 'o' is displayed for Opening (Disarming); 'c' is displayed for Closing (Arming).

Events Display

Events are displayed as following:

XX - Event number (from 01 to 99), then HH_MM (Hour and Minutes) Event Time, Event (alarm or opening/closing).

Translate the display as following:

‘u’ (user number 1 to 8),

‘o’ or ‘c’ - opening or closing

Zone causing alarm will blink twice

X - Tamper alarm from zone causing the alarm (X)

H - Panic Alarm

Note: three lines (≡) indicate power failure. An AC failure event will be displayed during history events.

For detailed log events ask your installer to download the log events via EasyLoad software.

Trouble Conditions

The system constantly monitors itself to ensure proper operation. When a trouble condition occurs, the system condition will be displayed.

Indication	Cause	To do
‘L’ or Low Battery on	Battery is low	Call for service
Four LEDs are blinking	AC power failure	Check the premises fuse box. Call for service
‘C’ or ‘Tel. Line Fail’	Telephone line test failed	Call for service
Arming fail and ≡ is displayed	Zone is troubled	Bypass the zone and call for service

Setting System Features

Changing Codes

The system features eight programmable codes. The first code is the Master Code, and the remaining seven codes are normal arming and disarming codes.

Do not use ‘0’ as the first digit in a code.

Do not use ‘5’ as first digit in a code number if *Instant Arming via key 5* was programmed.

User code shall not start with the same numbers as the installer programming code (1994).

Do not use same codes or same first digit for different codes. For example if code No. one is 1234, programming code No. 2 cannot be 1256.

Key Visual Feedback - Visual ‘feedback’ from the keypad display upon entering of code. This feature indicates the code entry progress and is most practical when the keypad buzzer is disabled at Home (Group Bypass) mode, or if selected by programming. Entry of code by user or installer is confirmed at keypad display. Display segments will light up clockwise, indicating the sequence of the entered digits.

Note: After six unsuccessful attempts to enter an invalid code, the keypad locked itself for 30 seconds

Note:

Delays Delete

Delay Delete 4 Key 4 → **DELAY DELETE (INSTANT PROTECTION)**

Cancels the Entry Delay in zones selected as 'Delayed' zones. All zones become Instant. This feature is optional when Home Mode set and all users are in. Hold-down '4' key, 'd' is displayed in confirmation. Instant Protection becomes effective only if System is armed within 20 seconds following hold-down of '4' key.

Chime 5 Key 5 → **DOOR CHIME**

The Door Chime initiates the keypad to beep whenever a zone is activated. Door Chime operates on Chime-programmed zones.

Hold-down key 5 enables and disables the function.

Chime mode is confirmed by 'c' displayed on keypad.

Shunt 0 and # → **LOCAL BUZZER ON and OFF**

Holding down keys "0" and "#" simultaneously turn on and off the buzzer in each LCD keypad. This function works in disarmed mode.

Testing Your System

It is recommended to test your system daily or weekly. Perform system tests in the off-peak hours, such as early morning or late evening. Call to inform your monitoring station that you are testing your system.

Note:

Siren and Battery Test

Hold down key '1'. This command will generate a siren sound for 2-3 seconds.

Turn off your main AC, verify that LEDs are blinking to indicate power failure; test siren again to make sure your battery can drive the siren during power failure.

Arm and Disarm the system (main AC is still off) few times, if 'L' is displayed, your battery is faulty, call your installer.

Detection Devices Test

Test 7 Key 7 → **FAULT FIND**

- Fault Find enables testing of all detection devices.
- Fault Find mode can be entered only during the 15 seconds following system Disarming.
- Fire, 24H, or Panic alarm will stop Fault Find mode.
- Hold down '7' key, confirmed by 'F' on Keypad display.
- Activate each sensor. Detection of zone opening is confirmed by a one-second beep. Three beeps indicate zone closing.
- Arm the system to quit Fault Find mode.

Testing your Central Station (CS)

Inform your CS that you perform testing, ask them to report you if an alarm is received. Arm the system, move in front of a detector or open a protected door, verify that the siren is activated; to quit testing, disarm the system.

Note!

Test your system daily.

Call your installer if any test fails to operate

Troubleshooting

PROBLEM	INDICATION	REMEDY
System fails to Arm when code is entered at Keypad	Keypad entries are confirmed by beeps, but system does not react	<ol style="list-style-type: none"> 1. Hold down '9' key until you hear a beep, then enter arming code 2. Program new arming code 3. If you forgot your Arming code, call your installer
System cannot be disarmed	Arming/Disarming code is entered but Red indicator remains lit	<ol style="list-style-type: none"> 1. Hold down '9' key until you hear the confirmation beep. Enter arming code carefully. Do not be confused by Siren noise. 2. System was armed using the Instant Arming key (key 5), but code was changed. (You can ask your installer to cancel this feature.)
Yellow indicator is on (indication that zones have been bypassed)	Yellow (shunt) indicator constantly on	To disable zone/s bypass Arm and disarm the system; the Yellow indicator light turn off
Green indicator blinks continuously when you attempt to arm the system	≡ Sign is displayed, and arming denied (system can not be Armed with an open instant or 24H zone)	<p>Hold down '3' key; the zone/s in trouble will be displayed. Check the cause: an open window; movement detected by detector or else.</p> <ol style="list-style-type: none"> 1. Press '0' key (Bypass), and then the zone number where alarm was triggered. The yellow indicator should light in confirmation. 2. A delayed zone may be troubled. An open delayed zone will cause the green indicator to blink upon exit/entry
Three LEDs indicators are blinking, indicating Power Failure	The system is not responding; keys do not respond	<p>You may have a general power failure. Check your premises fuse box</p> <p>Warning! If Green indicator is still OFF, your system is operating on temporary power supplied by the Battery</p>

PROBLEM	INDICATION	REMEDY
Buzzer is activated for no apparent reason	Door at delayed zone (entrance) is open or there has been detection of movement at an exit/entry zone. Day or Tamper zone was activated	Keys '5' or '7' have been pressed, activating the door Chime or the Fault Find function. Arm and disarm the system. Hold-down '9' key to reset Day Zone or Tamper alarm
Entry at protected zone activates mini-sounder at keypad	A warning signal is heard before the siren is triggered	Disarm system immediately upon entry at zone. If delay time is too short, call your installer to reprogram delay time
'L' is displayed	Battery is low, faulty, or dead	Call your installer immediately
'C' is displayed (blinking)	Telephone line disconnected or dead or the systems failed to contact central station	Call your installer immediately. Check your telephone line
Siren was triggered, but programmed phone numbers were not dialed	<ol style="list-style-type: none"> 1. Faulty dialer 2. Faulty phone line or phone off the hook 3. Mistaken report of alarm 	<ol style="list-style-type: none"> 1. Hold down '6' key (dialer test); automatically dialed numbers will be displayed (test takes several minutes). 2. If the telephone line to the alarm control has been disconnected, reconnect it. 3. Malfunction of the alarm system - call your installer
'H' is displayed. 'h' is blinking.	A panic alarm was activated. Take emergency measures. Blinking 'h'; set the time	Arm and disarm system to abort alarm and H display. Set system time by holding-down '0' key then '1' key
Yellow indicator lights upon arming of system, without bypassing (pressing 0 and any key)	'Automatic Bypass' has been programmed. Can also occur if '0' key is pressed twice before arming, which activates zone bypass	Before arming, make sure all entry/exit doors protected by system are closed and all detectors are off. Arm the system, and call your installer

AV-GAD LIMITED WARRANTY

Av-Gad Systems Ltd. (Av-Gad) warrants its products to be free from production defects in components; materials used and labor, for the period of twelve months following the date of production. Av-Gad will within the mentioned period, as its option, repair or replace any product failing to proper operation without charge.

This warranty shall not apply to any equipment, or any part thereof, which has been repaired by others, installed not properly, used improperly, abused, altered damaged, subjected to acts of God or on which the serial and data code altered or removed.

Av-Gad will not be responsible for any dismantling or reinstallation expenses. In order to exercise the warranty, the product must be returned by the purchaser, delivery and transportation costs prepaid and insured to Av-Gad.

After repair or replacement, Av-Gad assumes the cost of returning products under warranty.

There are no warranties, express or implied, which extend beyond the description of the face hereof.

There is no express or implied warranty of merchantability or a warranty of fitness for particular purpose. Additionally, this warranty is in lieu of all other obligations or liabilities on the part of Av-Gad.

Any action for breach of warranty, including but not limited to any implied warranty of merchantability, must be brought within three months following the end of the warranty period. In no case shall Av-Gad be liable to anyone for any consequential or incidental damages for breach of this or any other warranty, express or implied, even if the loss or damage is caused by the seller's own negligence or fault.

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Note:

Av-Gad recommends testing the entire system weekly. Refer to Testing Your System section for further details.

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