

# First Alert FA160C/162C Installer Notes M. Leuck

1. Programming can only be done by 6139 Alpha keypads, standard 6128 keypad cannot be used to program zones
2. Enter programming: Master Code + 8 + 0 + 0 (old version), Installer Code + 8 + 0 + 0 (new version)
3. Program new Master Code with Installer Code + 01 (Partition 1) or 02 (Partition 2) + New Master Code
4. Another method of entering programming: Power system down, then back up and within 30 seconds press \* and # at the same time.
5. If system is armed when first powering up, power system back down, hold \* and # while powering up system (not afterwards) to enter programming
6. Exit programming with \*99
7. To program a location press \* then location. To view what is in Location press # then Location, keypad will read off what is currently programmed
8. To erase a location (Example: Phone Number) press \* then Location then \* again
9. Duress/Hostage Code may be 1 digit above any User Code (old version), or User Code 8 (new version)

## Downloading Information

It is **IMPORTANT** to enable downloading when first entering programming

1. Press \* 96 (Keypad will beep)
2. Press \* 95 and enter # + 15
3. Entering a Download Phone number is not necessary

# FA162C-1 PROGRAMMING FORM

Local programming requires the use of a 2-line Alpha keypad connected to partition 1 keypad terminals on the control.

NOTE: For UL installations, the system may be configured as a single partition only.

**Field Function** **Programmed Values** **[ ] = Default Value**

## SYSTEM SETUP (\*20-\*29)

- \*20 INSTALLER CODE  Enter 4 digits, 0-9 [4112]
- \*21 QUICK ARM ENABLE Partition 1 †  Partition 2 †  [0 = no]; 1 = yes
- \*22 RF SYSTEM  [0 = none]; 1 = 5800 (5881/5882)
- \*23 FORCED BYPASS Partition 1 †  Partition 2 †  [0 = none]; 1 = bypass open zones "0" for UL installations.
- \*24 RF HOUSE ID CODE  [00] 00 = disable all wireless keypad useage; Enter 01 - 31 if using 5827 keypad. Partition 2 RF House Code = Entered (Partition 1) Code + 1
- \*25 WIRED ZONE EXPANSION †  [0 = none]; 1 = 4219; 2 = 4229; 3 = 4204
- \*26 CHIME BY ZONE †  [0 = no]; 1 = yes. Chime for zones in Zone List #3.
- \*27 X-10 HOUSE CODE  [0 = A]; 1 = B; 2 = C; 3 = D; 4 = E; 5 = F; 6 = G; 7 = H; 8 = I; 9 = J; #10 = K; #11 = L; #12 = M; #13 = N; #14 = O; #15 = P
- \*28 VOICE MODULE ACCESS CODE (4285)  (Partition 1 only) 1st digit: enter 1-9; 2nd digit: 0; enter #+11 for "\*\*\*"; or # + 12 for "#". Default = [00] (no Voice Module).
- \*29 OUTPUT TO LONG RANGE RADIO  To enable enter Trouble code 1-9, A(#+10), B(#+11), C(#+12), D(#+13), E (#+14), or F (#+15). The 2nd digit of Trouble Dialer Report is automatically entered for field \*60, [0 to disable]. "0" for UL installations.

## ZONE SOUNDS AND TIMING (\*31 - \*39)

- \*31 SINGLE ALARM SOUNDING/ZONE †  1 = yes; [0 = no]. "0" for UL installations.
- \*32 FIRE SOUNDER TIMEOUT †  [0 = timeout]; 1 = no timeout.
- \*33 ALARM BELL TIMEOUT †  0 = none; [1 = 4 min]; 2 = 8 min; 3 = 12 min; 4 = 16 min; "1" (4 min.) minimum for UL.
- \*34 EXIT DELAY Partition 1 †  Partition 2 †  0-99 = exit delay time for each partition. Default value = [70 seconds].
- \*35 ENTRY DELAY #1 Partition 1 †  Partition 2 †  0-99 = entry delay time for each partition; 20 sec max. for UL. Default value = [30 seconds].
- \*36 ENTRY DELAY #2 Partition 1 †  Partition 2 †  0-99 = entry delay time for each partition; 50 sec max. for UL. Default value = [60 seconds].
- \*37 AUDIBLE EXIT WARNING Partition 1 †  Partition 2 †  0 = no; [1 = yes].
- \*38 CONFIRMATION OF ARMING DING Partition 1 †  Partition 2 †  [0 = no]; 1 = yes, (wired keypads and RF); 2 = yes, RF only
- \*39 POWER UP IN PREVIOUS STATE †  0 = no; [1 = yes]. "1" for UL installations.

## DIALER PROGRAMMING (\*40 - \*53)

In fields \*40, \*41, \*42, enter up to the number of digits shown. Do not fill unused spaces. Enter 0-9; #+11 for " \* "; #+12 for "#"; #+13 for a pause.

- \*40 PABX ACCESS CODE  Enter 4 digits. If fewer than 4 digits are entered, exit by pressing \* (and press 41, if entering next field). To clear entries from field, press \*40\*.
- \*41 PRIMARY PHONE NUMBER  Enter up to 12 digits. Do not fill unused spaces. If fewer than 12 digits entered, exit by pressing \* (and press 42, if entering next field). To clear entries from field, press \*41\*.
- \*42 SECONDARY PHONE NUMBER  Enter up to 12 digits. Do not fill unused spaces. If fewer than 12 digits entered, exit by pressing \* (and press 42, if entering next field). To clear entries from field, press \*42\*.
- \*43 PRIMARY SUBSCRIBER ACCT # (PARTITION 1)  \*44 SECONDARY SUBSCRIBER ACCT # (PARTITION 1)   
PRIMARY RECEIVER SECONDARY RECEIVER
- \*45 PRIMARY SUBSCRIBER ACCT # (PARTITION 2)  \*46 SECONDARY SUBSCRIBER ACCT # (PARTITION 2)   
PRIMARY RECEIVER SECONDARY RECEIVER

Enter 0-9; #+11 for B; #+12 for C; #+13 for D; #+14 for E; [#+15 for F]. Enter \* as 4th digit, if 3+1 dialer reporting is to be used. If only 3 digits used, exit by pressing \* (and press next field). To clear entries from field, press \*43\*, \*44\*, \*45\*, or \*46\*.

Examples: For Acct No. 1234, enter: 

1	2	3	4
#+11	2	3	4
1	2	3	*

For Acct No. B234, enter: 

#+11	2	3	4
------	---	---	---

For Acct No. 123, enter: 

1	2	3	*
---	---	---	---

† Entry of a number other than one specified will give unpredictable results.

- \*47** PHONE SYSTEM SELECT †  1 If Central Station *IS NOT* on a WATS line: 0 = Pulse Dial; [1 = Tone Dial]  
If Central Station *IS* on a WATS line: 2 = Pulse Dial; 3 = Tone Dial
- \*48** REPORT FORMAT PRIMARY/SECONDARY Primary  7 Secondary  7 [7/0]  
0 = 3+1, 4+1 ADEMCO L/S STANDARD 6 or undefined = 4+2 ADEMCO EXPRESS  
1 = 3+1, 4+1 RADIONCS STANDARD 7 = ADEMCO CONTACT ID REPORTING  
2 = 4+2 ADEMCO L/S STANDARD 8 = 3+1, 4+1 ADEMCO L/S EXPANDED  
3 = 4+2 RADIONICS STANDARD 9 = 3+1, 4+1 RADIONICS EXPANDED
- \*49** SPLIT/DUAL REPORTING  0 [0 = Disable (Backup report only)]  
**TO PRIMARY**  
1 = Alarms, Restore, Cancel  
2 = All except Open/Close, Test  
3 = Alarms, Restore, Cancel  
4 = All except Open/Close, Test  
5 = All  
**TO PAGING No. \*(Primary)**  
6 = All except Open/Close  
7 = All reports  
8 = All reports  
9 = All except Open/Close
- TO SECONDARY**  
Others  
Open/Close, Test  
All  
All  
All
- TO PAGING No. \*(Secondary)**  
\*\*Alarms, Open/Close, Troubles  
\*\*Alarms, Troubles  
\*\*Alarms, Open/Close, Troubles  
\*\*Alarms, Open/Close for users 5-25, Troubles
- \*\* A 10-digit code is sent to the pager consisting of a 4-digit subscriber number, a 3-digit event code, and a 3-digit user or zone number.  
See Installation Instructions for an explanation of the 10-digit code.  
\* Can only be used if primary reporting format is Ademco Contact ID.
- \*50** 15 SECOND DIALER DELAY (BURG) †  0 [0 = no]; 1 = yes. "0" for UL installations.
- \*51** PERIODIC TEST REPORT †  0 [0 = none]; 1 = 24 hours; 2 = weekly; 3 = 30 days.  
(Enter Test Code in field \*64. Reports with Partition 1 subscriber No.)
- \*52** TEST REPORT OFFSET †  2 0 = 24 hour; 1 = 6 hours; [2 = 12 hours]; 3 = 18 hours.  
(Time to 1st report from programming or downloading.)
- \*53** SESCOA/RADIONICS SELECT  0 [0 = Radionics (0-9, B-F reporting)]; 1 = SESCOA (0-9 only reporting)  
Select 0 for all other formats.
- † Entry of a number other than one specified will give unpredictable results.
- \*56** ZONE ASSIGNMENT/ALARM REPORT CODES - This field is an interactive mode. Fill in the required data on the worksheet below (and on next page) and follow the programming procedure in the installation manual.

**ZONES ON CONTROL:**

See explanation of headings at top of next page →

ZONE ALPHA	ZONE NUMBER (Zn)	ZONE TYPE (ZT)	PARTITION NUMBER (P)	ALARM RPT CODE (Hex) (RC)	INPUT TYPE (In)	RESPONSE TIME (RT)
ZONE 01	<input type="checkbox"/> 1	<input type="checkbox"/> 9 [9]	<input type="checkbox"/> 1 [1]	<input type="checkbox"/> 1 - - [00, --]	HW	350 msec [1 = 350]
ZONE 02	<input type="checkbox"/> 2	<input type="checkbox"/> 1 [1]	<input type="checkbox"/> 1 [1]	<input type="checkbox"/> 2 - - [00, --]	HW	350 msec [1 = 350]
ZONE 03	<input type="checkbox"/> 3	<input type="checkbox"/> 3 [3]	<input type="checkbox"/> 1 [1]	<input type="checkbox"/> 3 - - [00, --]	HW	350 msec [1 = 350]
ZONE 04	<input type="checkbox"/> 4	<input type="checkbox"/> 3 [3]	<input type="checkbox"/> 1 [1]	<input type="checkbox"/> 4 - - [00, --]	HW	350 msec [1 = 350]
ZONE 05	<input type="checkbox"/> 5	<input type="checkbox"/> 3 [3]	<input type="checkbox"/> 1 [1]	<input type="checkbox"/> 5 - - [00, --]	HW	350 msec [1 = 350]
ZONE 06	<input type="checkbox"/> 6	<input type="checkbox"/> 3 [3]	<input type="checkbox"/> 1 [1]	<input type="checkbox"/> 6 - - [00, --]	HW	350 msec [1 = 350]
ZONE 07	<input type="checkbox"/> 7	<input type="checkbox"/> 3 [3]	<input type="checkbox"/> 1 [1]	<input type="checkbox"/> 7 - - [00, --]	HW	350 msec [1 = 350]
ZONE 08	<input type="checkbox"/> 8	<input type="checkbox"/> 3 [3]	<input type="checkbox"/> 1 [1]	<input type="checkbox"/> 8 - - [00, --]	HW	350 msec [1 = 350]
ZONE 09	<input type="checkbox"/> 9 Tamper	<input type="checkbox"/> 5 NA	Both	<input type="checkbox"/> 0 - - [00, --]	--	--
ZONE 92	<input type="checkbox"/> 2 Duress	-- --	Both	<input type="checkbox"/> 9 - - [00, --]	--	--
ZONE 95	<input type="checkbox"/> 5 1 *, A	<input type="checkbox"/> 9 [0]	Both	<input type="checkbox"/> 0 - - [00, --]	--	--
ZONE 96	<input type="checkbox"/> 6 3 #, C	<input type="checkbox"/> 8 [0]	Both	<input type="checkbox"/> 1 - - [00, --]	--	--
ZONE 99	<input type="checkbox"/> 9 * #, B	<input type="checkbox"/> 7 [6]	Both	<input type="checkbox"/> 2 - - [00, --]	--	--

\* Zone 1 can be used as a 2-wire Fire zone.  
\*\* Zone 8 can be used as a Glassbreak zone.

## EXPLANATION OF ZONE ASSIGNMENT TABLE HEADINGS

**Zn = ZONE NUMBER** Zone Nos. are from 01 to 39, 92, 95, 96, 99. Some are pre-assigned.  
 With Field \*25 set for auxiliary wired loops (4219 or 4229), use Zone Nos. 10-17 for loops A-H.  
 With Field \*22 set for RF (5800), use Zone Nos. 10-39.

**ZT = ZONE TYPE**

00 = Not Used	05 = Trouble Day/Alarm Night	11 = 24 Hr Burglary
01 = Entry/Exit #1	06 = 24 Hr Silent	20 = Arm-Stay
02 = Entry/Exit #2	07 = 24 Hr Audible	21 = Arm-Away
03 = Perimeter	08 = 24 Hr Aux	22 = Disarm
04 = Interior Follower	09 = Fire	23 = No Alarm Response
	10 = Interior w/Delay	24 = Silent Burglary

DEFAULT VALUES				
Zn:	01	02	03	04
ZT:	[09]	[01]	[03]	[03]
Zn:	05	06	07	08 99
ZT:	[03]	[03]	[03]	[03] [06]

**P = PARTITION NUMBER** 1 or 2. Default Values for zones 01 - 08 = [1].

**RC = ALARM REPORT CODE** Two Hex Digits. For each Hex Digit, enter: 00-09 for 0-9  
 10 for A, 11 for B, 12 for C, 13 for D, 14 for E, 15 for F.

If "00" is entered in the first pair of boxes, there will be no report for that zone.

For Contact ID reporting, this is an enabling code only. Enter any Hex digit (other than "00") in the first pair of boxes. The second pair of boxes will be ignored.

**In = LOOP INPUT DEVICE**

HW: Hard Wire	Enter 2 for AW: Auxiliary Wired
AW: Aux Wire (4219 or 4229)	Enter 3 for RF: Supervised RF
	Enter 4 for UR: Unsupervised RF
	Enter 5 for BR: Button Type RF

Hard wire zone input types are automatically assigned.

**RT = RESPONSE TIME** 0 = 10 msec; 1 = 350 msec; 2 = 700 msec. Default Values for zones 01 - 08 = [1 (350 msec)]

**L = LEARNED RF INPUT** Used with 5800 RF Loop Input Devices. Record transmitter input number.

**EXPANSION ZONES:** Assign Zone Numbers (Zn) 10-17 to 4219/4229 Auxiliary Wired Loops A-H, if used.  
 RF can use (Zn) 10-63 if 4219/4229 IS NOT used, (Zn) 18-63 if 4219/4229 IS used.  
 All expansion zone information defaults to [0].

**ENTER FOR  
RF ONLY**

EXP'N ALPHA	ZONE NUMBER (Zn)	ZONE TYPE (ZT)	PARTITION NUMBER (P)	ALARM RPT CODE (Hex) (RC)	INPUT TYPE (In)	LOOP NUMBER (L)	SERIAL NUMBER
ZONE 10	1st Exp'n Zone	[1][0]	--	--	--	--	--
ZONE 11	2nd	[1][1]	--	--	--	--	--
ZONE 12	3rd	[1][2]	--	--	--	--	--
ZONE 13	4th	[1][3]	--	--	--	--	--
ZONE 14	5th	[1][4]	--	--	--	--	--
ZONE 15	6th	[1][5]	--	--	--	--	--
ZONE 16	7th	[1][6]	--	--	--	--	--
ZONE 17	8th	[1][7]	--	--	--	--	--
ZONE 18	9th	[1][8]	--	--	--	--	--
ZONE 19	10th	[1][9]	--	--	--	--	--
ZONE 20	11th	[2][0]	--	--	--	--	--
ZONE 21	12th	[2][1]	--	--	--	--	--
ZONE 22	13th	[2][2]	--	--	--	--	--
ZONE 23	14th	[2][3]	--	--	--	--	--
ZONE 24	15th	[2][4]	--	--	--	--	--
ZONE 25	16th	[2][5]	--	--	--	--	--
ZONE 26	17th	[2][6]	--	--	--	--	--
ZONE 27	18th	[2][7]	--	--	--	--	--
ZONE 28	19th	[2][8]	--	--	--	--	--
ZONE 29	20th	[2][9]	--	--	--	--	--
ZONE 30	21st	[3][0]	--	--	--	--	--
ZONE 31	22nd	[3][1]	--	--	--	--	--
ZONE 32	23rd	[3][2]	--	--	--	--	--
ZONE 33	24th	[3][3]	--	--	--	--	--
ZONE 34	25th	[3][4]	--	--	--	--	--
ZONE 35	26th	[3][5]	--	--	--	--	--
ZONE 36	27th	[3][6]	--	--	--	--	--
ZONE 37	28th	[3][7]	--	--	--	--	--
ZONE 38	29th	[3][8]	--	--	--	--	--
ZONE 39	30th	[3][9]	--	--	--	--	--

**TO PROGRAM SYSTEM STATUS, & RESTORE REPORT CODES (\*59-\*76, & \*89):**  
**With a 3+1 or 4+1 Standard Format:** Enter a code in the *first* box: 1-9, 0, B, C, D, E, or F. Enter "#+10" for 0, "#+11" for B, "#+12" for C, "#+13" for D, "#+14" for E, "#+15" for F.  
 A "0" (not "#+10") in the *first* box will disable a report.  
 A "0" (not "#+10") in the *second* box will result in automatic advance to the next field when programming.  
**With an Expanded or 4+2 Format:** Enter codes in *boxes* (1st and 2nd digits) for 1-9, 0, or B-F, as described above.  
 A "0" (not "#+10") in the *second* box will eliminate the expanded message for that report.  
 A "0" (not "#+10") in *both* boxes will disable the report.  
**With Ademco Contact ID Reporting:** Enter any digit (other than "0") in the *first* box, to enable zone to report (entries in the *second* boxes will be ignored).  
 A "0" (not "#+10") in the *first* box will disable the report.

Examples: For Code 3 (Single Digit), enter: 

3	0
---	---

  
 For Code 32 (Two Digits), enter: 

3	2
---	---

  
 For Code B2 (Hexadecimal), enter: 

#+11	2
------	---

**SYSTEM STATUS REPORT CODES (\*59-\*68) †**

- \*59 EXIT ERROR REPORT CODE [0] 

0
---
  - \*60 TROUBLE REPORT CODE [0-] 

1	-
---	---
  - \*61 BYPASS REPORT CODE [0-] 

0	-
---	---
  - \*62 AC LOSS REPORT CODE [0-] ~ 

0	-
---	---
  - \*63 LOW BATTERY REPORT CODE [0-] ~ 

2	-
---	---
  - \*64 TEST REPORT CODE [0-] 

0	-
---	---
  - \*65 OPEN REPORT CODE [0] Partition 1 

0	†
---	---

 Partition 2 

0	†
---	---
  - \*66 ARM AWAY/STAY REPORT CODE [0,0] Partition 1 

0	†
---	---

0	†
---	---

 AWAY HOME Partition 2 

0	†
---	---

0	†
---	---

 AWAY STAY
- † 2nd digit is automatically sent as the 2nd digit of the zone alarm report code programmed in \*56, if expanded or 4+2 reporting is selected.  
 †† 2nd digit is automatically sent as the user number if expanded or 4+2 reporting selected.

**RESTORE REPORT CODES (\*70-\*76)**

- \*70 ALARM RESTORE REPORT CODE [0] 

0
---

  
 2nd digit is automatically sent as the 2nd digit of the zone alarm report code programmed in \*56, if expanded or 4+2 reporting is selected.
- \*71 TROUBLE RESTORE REPORT CODE [0-] 

0	-
---	---
- \*72 BYPASS RESTORE REPORT CODE [0-] 

0	-
---	---

- \*73 AC RESTORE REPORT CODE [0-] ~ 

0	-
---	---
- \*74 LOW BATTERY RESTORE REPORT CODE [0-] ~ 

0	-
---	---

  
 ~ Reports with Partition 1 Subscriber Number
- \*75 RF TRANSMITTER LOW BATTERY RESTORE REPORT CODE [0-] 

0	-
---	---
- \*76 TEST RESTORE REPORT CODE [0-] 

0	-
---	---

**OUTPUT AND SYSTEM SETUP (\*80-\*93)**

*80	OUTPUT RELAYS AND POWERLINE CARRIER DEVICES	Program only if Relays and/or Powerline Carrier devices are to be used. See next page.
*81	ZONE LISTS FOR OUTPUT DEVICES AND COMMON AREA	

- \*82 CUSTOM ALPHA EDITING: (Also entered from field \*56):  
See procedure in instructions.
- \*83 SEQUENTIAL LEARN MODE: (Also entered from field \*56):  
See procedure in instructions.
- \*89 EVENT LOG 80% FULL REPORT CODE [0-] 

0	-
---	---
- \*90 EVENT LOGGING 

0	3
---	---

  
 0 = None; 1 = Alarm/Alarm Restore;  
 2 = Trouble/Trouble Restore; 4 = Bypass/Bypass Restore;  
 8 = Open/Close.  
 Example: To select "Alarm/Alarm Restore", and "Open/Close", enter 9 (1+8);  
 To select all, enter #15. Default = [3] (1+2).  
**Note:** System messages are logged when any non-zero selection is made.
- \*91 OPTION SELECT 

0
---

  
 [0 = None; 1 = Local Lockout;  
 2 = Sounder Delay; 3 = Local Lockout + Sounder Delay;  
 4 = AAV; 5 = Local Lockout + AAV;  
 6 = Sounder Delay + AAV; 7 = Local Lockout + Sounder Delay + AAV;  
 8 = Exit Delay Restart;  
 "0" for UL installations
- \*92 PHONE LINE MONITOR ENABLE 

0
---

  
 [0 = Not used];  
 1 = Keypad display when line is faulted;  
 2 = Keypad display plus keypad trouble sound;  
 3 = Same as "2", plus #2 STARTS. If either partition is armed, external sounder activates also.  
**Note:** Device #2 must either be programmed to be STOPPED in field \*80 or STOPPED by Code + # + 8 + 2.
- \*93 NUMBER OF REPORTS IN ARMED PERIOD 

0
---

  
 [0 = 10 Alarm/Alarm Restore Reports];  
 1 = Unlimited.  
 "1" for UL installations.

**DOWNLOAD INFORMATION (\*94, \*95) <**

- \*94 DOWNLOAD PHONE No. 

1	8	0	0	6	8	2	1	6	9	0
---	---	---	---	---	---	---	---	---	---	---

  
 Enter up to 12 digits; 0-9; #+11 for '\*'; #+12 for '#'; #+13 for a pause. Do not fill unused spaces. If fewer than 12 digits entered, exit field by pressing \* (and press 95, if entering next field).  
 To clear entries from field, press \*94\*.
- \*95 RING DET COUNT FOR DOWNLOADING [10] 

1	5
---	---

  
 0=Disable Station Initiated Download; 1 - 14=number of rings (1-9, #+10=10, #+11=11, #+12=12, #+13=13, #+14=14); 15=answering machine defeat (#+15=15)  
**Note:** Do not enter "0" if using 4285 Voice Module.

< In UL installations, downloading may only be performed if a technician is at the site.

*96	INITIALIZES DOWNLOAD ID, SUBSCRIBER ACCOUNT No. FOR INITIAL DOWNLOAD: No data entry required.
*97	SETS ALL PROGRAM FIELDS TO DEFAULT VALUES: No data entry required.

\*98 and \*99 USED TO EXIT PROGRAM MODE (see page "6")

**OUTPUT RELAYS/POWERLINE CARRIER DEVICES WORKSHEET FOR \*80, and \*81.**

*Applicable only if Relays and/or powerline Carrier Devices are to be used.*

\*80 OUTPUT RELAYS - This is an interactive menu mode. Fill in the required data on the worksheet on below and follow the programming procedure in the installation manual as you enter the data during the displays and prompts that appear in sequence.

- Notes:**
1. For Relays, field \*25 must be programmed for a 4229 (Relays 01 and 02), OR for a 4204 (Relays 01 to 04).
  2. For Powerline Carrier devices, field \*27 must be programmed with a House Code.
  3. Tamper contacts or expansion units cannot be used to operate devices.

DEVICE NUMBER	X-10 SELECT	ACTION (A)	START either or both				STOP either or both			
			EVENT (EV)	ZONE LIST (ZL)	ZONE TYPE /SYST OP'N (ZT)		PART'N No. (P)	RESTORE of ZONE LIST (ZL)	ZONE TYPE /SYST OP'N (ZT)	
OUTPUT RELAY OR P.L.C.D.* 01	0	0	0	0	0	0	0	0	0	0
OUTPUT RELAY OR P.L.C.D.* 02	0	0	0	0	0	0	0	0	0	0
OUTPUT RELAY OR P.L.C.D.* 03	0	0	0	0	0	0	0	0	0	0
OUTPUT RELAY OR P.L.C.D.* 04	0	0	0	0	0	0	0	0	0	0
P.L.C.D.* 05	0	0	0	0	0	0	0	0	0	0
P.L.C.D.* 06	0	0	0	0	0	0	0	0	0	0
P.L.C.D.* 07	0	0	0	0	0	0	0	0	0	0
P.L.C.D.* 08	0	0	0	0	0	0	0	0	0	0

\*P.L.C.D. = Powerline Carrier Device (X-10).

**Where:**

**X-10 SELECT = Powerline Carrier Device** Enter "1" if powerline Carrier Device is being used, enter "0" if relay is being used.

**A = DEVICE ACTION** 0 = No Response; 1 = Close for 2 sec; 2 = Close and stay closed; 3 = Pulse on and off

**EV = EVENT** 0 = Not used; 1 = Alarm; 2 = Fault; 3 = Trouble.

**ZL = ZONE LIST** 1,2,or 3 (from Field \*81) or 0 = Not Used.

"START" ZONE LIST: Upon alarm, fault, or trouble of ANY zone on this list, relay action will START.

"STOP" RESTORE of ZONE LIST: Upon restore of ALL zones on this list, relay action will STOP. It need not be same list as used for START.

**NOTE:** Do not use input type "BR" transmitters in a zone list to STOP a relay action, since these transmitters do not send restores.

**ZT = ZONE TYPE/SYSTEM OPERATION**

**Choices for Zone Types are:**

- |                              |                       |
|------------------------------|-----------------------|
| 00 = Not Used                | 06 = 24 Hr Silent     |
| 01 = Entry/Exit #1           | 07 = 24 Hr Audible    |
| 02 = Entry/Exit #2           | 08 = 24 Hr Aux        |
| 03 = Perimeter               | 09 = Fire             |
| 04 = Interior Follower       | 10 = Interior w/Delay |
| 05 = Trouble Day/Alarm Night | 11 = 24 HR Burglary   |
|                              | 24 = Silent Burglary  |

**Note:** Any zone in "ZT" going into alarm, fault, or trouble will actuate relay. Any zone of that type that restores will stop relay action.

**Choices for System Operation are:**

- |                             |                            |
|-----------------------------|----------------------------|
| 20 = Arming-Stay            | 38 = Chime                 |
| 21 = Arming-Away            | 39 = Any Fire Alarm        |
| 22 = Disarming (Code + OFF) | 40 = Bypassing             |
| 31 = End of Exit Time       | 41 = **AC Power Failure    |
| 32 = Start of Entry Time    | 42 = **System Battery Low  |
| 33 = Any Burglary Alarm     | 43 = Communication Failure |
| 36 = **At Bell Timeout***   |                            |

- 52 = Kissoff  
58 = Duress

**Note:** In normal operation mode: Code + # + 7 + N Key Entry **starts** Device N. Code + # + 8 + N Key Entry **stops** Device N.

\*\* Use 0 (Any) for Partition No. (P) entry.

\*\*\* Or at Disarming, whichever occurs earlier.

**P = PARTITION No.** 1, 2, or 0 for Any

**\*81 ZONE LISTS FOR OUTPUT DEVICES-** This is an interactive mode. Fill in the required data on the worksheet below and follow the procedure in the installation manual as you enter the data during the displays and prompts that appear in sequence.

**Note:** Record desired zone numbers below. More or fewer boxes than shown may be needed, since any list may include *any* or *all* of system's zone numbers.

**Zone List 1:** Started or stopped by zone numbers (enter 00 to end entries).

,  ,  ,  ,  ,  ,  ,  ,  ,  ,   ...etc.

**Zone List 2:** Started or stopped by zone numbers (enter 00 to end entries).

,  ,  ,  ,  ,  ,  ,  ,  ,  ,   ...etc.

**Zone List 3:** Started or stopped by zone numbers (enter 00 to end entries).

,  ,  ,  ,  ,  ,  ,  ,  ,  ,   ...etc.

**Common Area Zone List:** Started or stopped by zone numbers (enter 00 to end entries).

,  ,  ,  ,  ,  ,  ,  ,  ,  ,   ...etc.

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## SPECIAL MESSAGES

**OC** = OPEN CIRCUIT (no communication between Console and Control).

**EE or ENTRY ERROR** = ERROR (invalid field number entered; re-enter valid field number).

After powering up, **AC**, **dl** (disabled) or **Busy Standby** and **NOT READY** will be displayed after approximately 4 seconds. This will revert to **READY** in appx. 1 minute, which allows PIRS, etc. to stabilize. To bypass this delay, press: [#] + [0].

If **E4** or **E8** appears, more zones than the expansion unit's capacity have been programmed. Correct the programming and then completely de-power and re-power the control to clear this indication and remove the disable indication.

### TO ENTER PROGRAMMING MODE:

1. POWER UP, then depress **[\*]** and **[#]** both at once, within 50 seconds of powering up.  
OR
2. Initially, key **Installer Code (4 + 1 + 1 + 2)** plus **8 + 0 + 0**.  
OR
3. If different **Installer Code** is programmed, key: **New Installer Code + 8 + 0 + 0**.  
(if \*98 was used to exit previously, method 1 above must be used to enter the program mode again).

### TO EXIT PROGRAMMING MODE:

- \*98 Exits programming mode and *prevents* re-entry by: **Installer Code + 8 + 0 + 0**. If \*98 is used to exit programming mode, system must be powered down, and method 1 above used to enter the programming mode.
- \*99 Exits programming mode and *allows* re-entry by: **Installer Code + 8 + 0 + 0**. or: **Power-up**, then "\*" and "#".

# Monitronics Monitoring and Service: 1-800-447-9239

## Ademco FA162C Quick Reference Guide (M Leuck)

Arming (Away)	Enter 4 digit code + AWAY key (2), the ARM light will turn on and the display will show AWAY <i>Note: If system shows NOT READY press * to view open zones</i>
Disarming and Silencing Alarms	Enter 4 digit code + OFF key (1) If turning off an alarm enter 4 digit code + OFF key (1) again to clear display
Arming (Stay)	Enter 4 digit code + STAY key (3), the ARM light will turn on and the display will show STAY
Zone Bypassing	Enter code + BYPASS key (6) + zone (01, 02, 03 etc). The display will show BYPASS and the zone bypassed <i>Note: Fire/Smoke Detector Zones cannot be bypassed</i>
Additional Codes	Enter MASTER CODE + CODE key (8) then the User you wish to program (03 to 15) then enter desired code, system will beep once when completed To delete a code Enter MASTER CODE + CODE key (8) then the User to delete (03 to 15) then wait, after 3 seconds the keypad will beep and erase the code *Changing Master Code: Enter MASTER CODE + CODE key (8) + 02 + New MASTER CODE Twice *On some systems this can only be changed by a Service Technician or by Downloading
Door Chimes	To turn chimes On or Off enter Master Code + CHIME key (9), if activated the display will show CHIME
Instant Doors	Enter your code + the INSTANT key (7) to arm system, all Entry/Exit doors will arm with no entry delay and all motion or interior zones will be bypassed. The display will show both STAY and INSTANT (The Exit Delay is still active with this command)
Trouble Display	NO AC = Loss of AC power to the system LOW BAT = Main panel has a low battery, if LOW BAT appears with a zone number that zone has low battery CHECK = There is a problem with a wireless zone, fire zone or the main systems wireless receiver
Panic Buttons	By holding down a combination of numbers will activate the Police, Fire and Medical Panics Press * and # at same time for Police Panic Press 1 and * at the same time for Fire Panic Press 3 and # at the same time for Medical Panic <i>Note: The Fire and Medical Panics may be reversed or disabled on some systems</i>

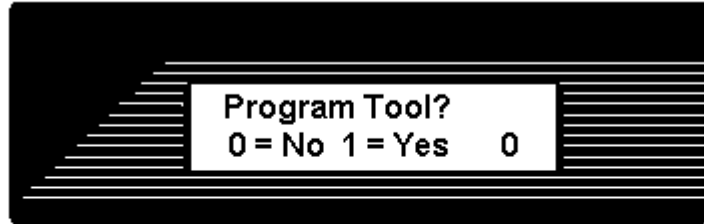
***Do not pause more than 2 seconds between each keypress or system will ignore above commands***





**First Alert LCD Program Guide (6139 Alpha Keypad Required!) (M. Leuck)**

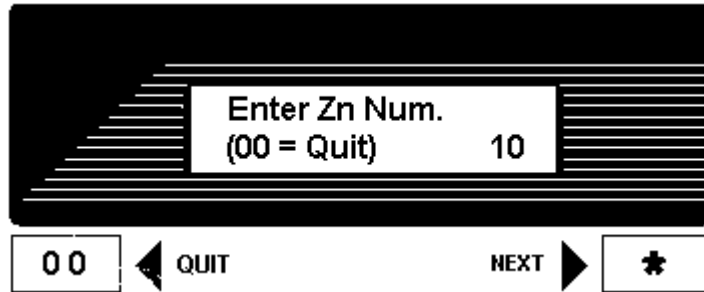
1.



1 = Yes  
 0 = No

This is the first thing you see after entering \* 56  
For most installations press 0 to move to next screen

2.



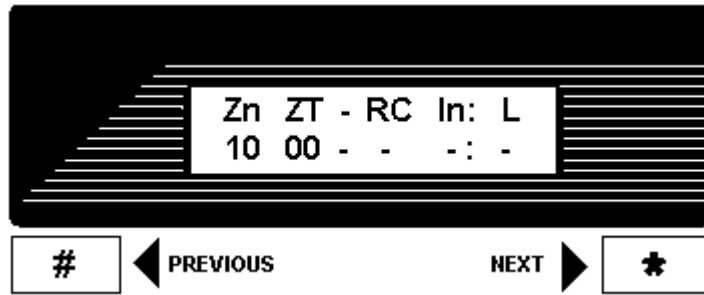
Press \* to move forward through menus. # to move backward

Enter zone to program, Lets program zone 10 as an example

- Zones 01 to 06 = Hardwire
- Zone 07 = Police Panic
- Zone 08 = Hostage/Duress Code
- Zone 10 and up = Wireless Zones
- Zones 95 & 96 = Fire & Medical Panics

After programming Zone Type press \* to move to next menu # for previous menu

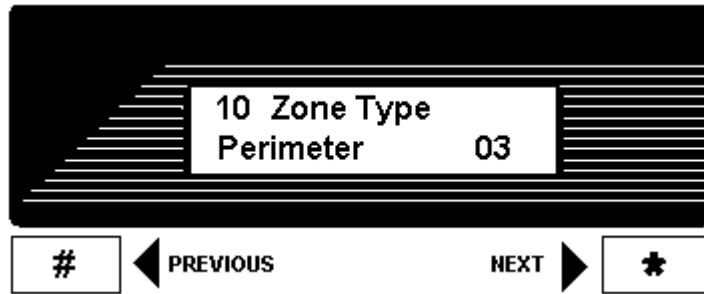
3.



This screen shows programming summary of Zone 10  
(This one shows nothing programmed yet)

Press \* to move to next menu # for previous menu

4.



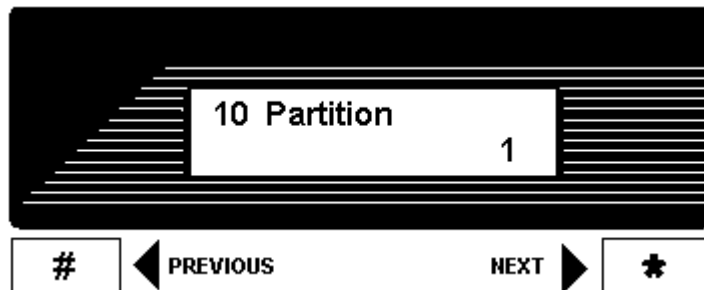
This programs Zone Type, above shows Zone 10 as  
a Perimeter (03) Zone

To change enter Zone Type from list below then \* to continue

00 = Zone Disabled/Deleted	08 = 24 hour Aux/Medical
01 = Delay Zone	09 = Fire
02 = Secondary Delay Zone	10 = Int Delay
03 = Perimeter/Instant	20 = Arm-Stay
04 = Interior Follower/Motions	21 = Arm-Away
06 = 24 hour Silent/Holdup	22 = Disarm
07 = 24 hour Police Panic	23 = No Alarm Response

Press \* to move to next menu # for previous menu

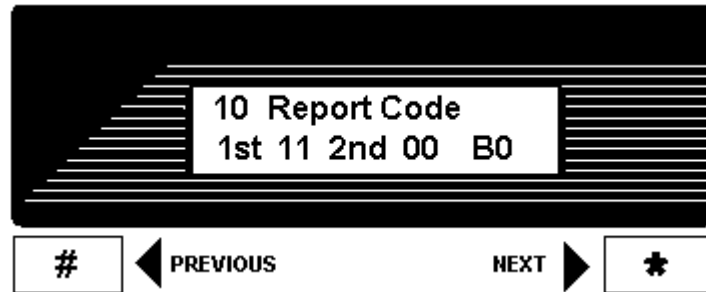
5.



Select the Partition this zone will be in (1 or 2)

Press \* to move to next menu # for previous menu

6.

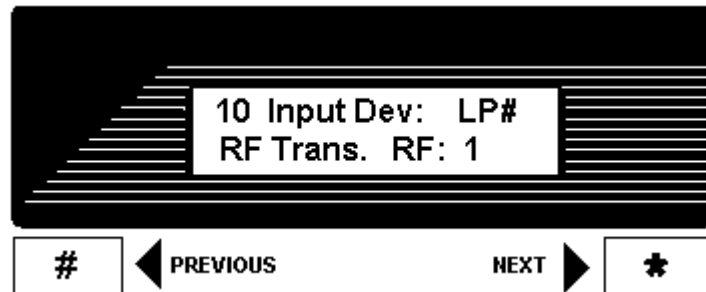


This is Zone 10's Report Code divided into 4 digits

Make all zone report codes different to properly send all signals  
(Example, Zone 01 = 01 00, Zone 02 = 02 00, Zone 07 = 07 00 etc)

Press \* to move to next menu

7.



Zone 10 is wireless, select Type of Wireless & Loop number here

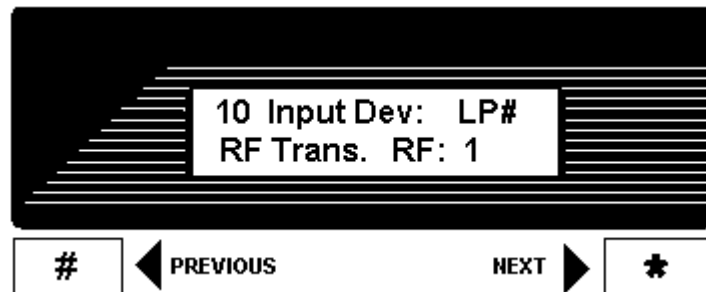
RF will be flashing, most sensors are RF so press \*  
to move to Loop Number Loop Number

3 = Supervised RF (Doors, Smokes Motions etc are RF)

5 = RF Button Type (Keyfobs & Panic Buttons)

Press \* to move to next menu # for previous menu

8.



LP# will now flash, enter Loop Number from below list

Door Switch - Internal = Loop 2, External switch = Loop 1

Glassbreak - Loop 1

Motions - Loop 1

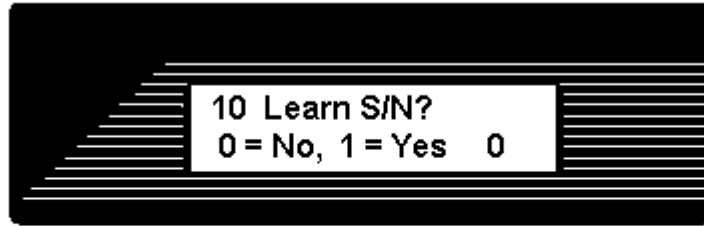
Smoke Det. - Loop 1

Keyfobs - Loops 1 to 4, assign for each button

If sensor does not confirm while learning it may have wrong loop number

Press \* to move to next menu # for previous menu

9.



= Yes, learn now

= No, Learn later

Press 1 (Yes) then \* to continue

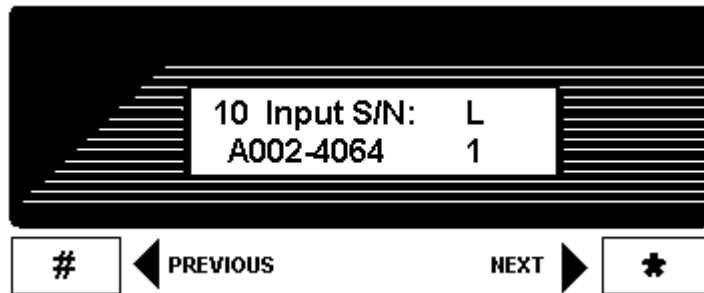
If you press 0 you can learn in "sequential" mode later

Learn sensors 2 ways

1. Input Serial number of sensor (printed on bottom of sensor)  
or
2. Open and close sensor once to learn, twice to confirm  
(keypad will beep when learned, again if confirmed)

If sensor does not confirm it may have wrong loop number

10.

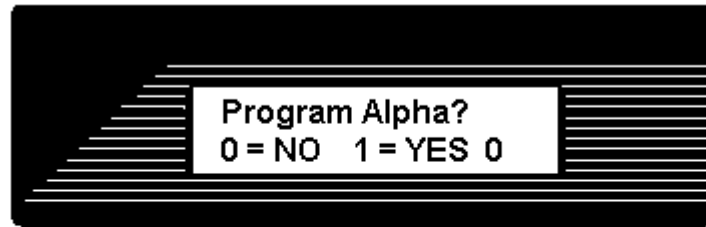


This shows summary of new programming in this order  
Zone Number/Zone Type/Report Code/Wireless Type/Loop

The "s" at indicates sensor was "Learned" into system

Press \* to move to next menu # for previous menu

11.

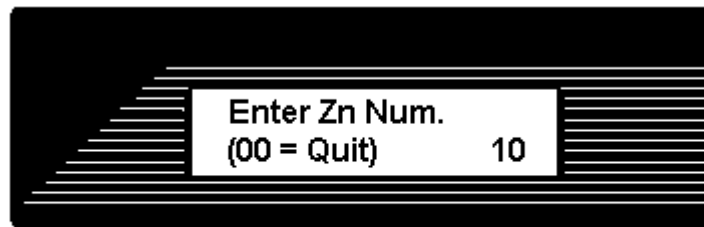


1 = Yes

0 = No

Press 1 to program Zone Descriptions or 0 to finish (For most installations press 0)

12.



When finished you will return to the "Enter Zn Num" prompt, enter next zone or 00 to end and return to regular programming