

FA1500C-12 PROGRAMMING FORM

[SQUARE BRACKETS INDICATE STANDARD *97 DEFAULT VALUES; OTHERWISE DEFAULT = 0]

***00** INSTALLER CODE [5][1][4][0]
Enter 4 digits, 0-9 [5140]

ASSIGN RESPONSE TYPE FOR ZONES				
(Enter 00-19 see list below)				
	*02	*03	*04	*05
1	[0][9]	9 [0][0]	17 [0][0]	25 [0][0]
2	[0][1]	10 [0][0]	18 [0][0]	26 [0][0]
3	[0][3]	11 [0][0]	19 [0][0]	27 [0][0]
4	[0][3]	12 [0][0]	20 [0][0]	[0][0]
5	[0][3]	13 [0][0]	21 [0][0]	[0][0]
6	[0][3]	14 [0][0]	22 [0][0]	[0][9]
7	[0][3]	15 [0][0]	23 [0][0]	[0][8]
8	[0][3]	16 [0][0]	24 [0][0]	[0][7]

NOTE: Non-zero entries act like Type 19 for zone 97
Not Used
Polling Loop Short (1+*/A)
(3+*/C)
(*+*/B)

RESPONSE TYPES:	
01 = ENTRY/EXIT #1	00 = Disabled zone
02 = ENTRY/EXIT #2	02 = ENTRY/EXIT #2
03 = PERIMETER	04 = INTERIOR, FOLLOWER
05 = DAY/NIGHT	06 = 24-HOUR SILENT ALARM
07 = 24-HOUR AUDIBLE ALARM M	08 = 24-HOUR AUXILIARY
09 = FIRE w/o alarm verification	10 = INTERIOR, DELAY
16 = FIRE with alarm verificatio	17 = FIRE Water Flow
18 = FIRE Supervisory	19 = 24 Hour Trouble

- *09** ENTRY DELAY #1 [0][2]
[02] (00-15 times 15 seconds)
- *10** EXIT DELAY #1 [0][3]
[03] (00-15 times 15 seconds)
- *11** ENTRY DELAY #2 [0][3]
[06] (00-15 times 15 seconds)
- *12** EXIT DELAY #2 [0][4]
[08] (00-15 times 15 seconds)
- *13** BELL 1 TIMEOUT [0][8]
00-15 times 2 minutes [08]. 0 = no timeout.
- *15** KEYSWITCH ENABLE [0]
[0 = Disable]; 1 = arms/disarms & silences alarm bells;
2 = Silences alarms only if fire alarm present
- *16** BELL 1 CONFIRMATION OF ARMING DING [1]
[1=enable]; 0=disable
- *17** AC POWER LOSS CONSOLE SOUNDING [1]
[1 = yes]; 0 = no
- *18** BELL 1 AC POWER LOSS ALARM [0]
1=Yes;[0=No]
- *19** AC RANDOMIZE [2]
1=Randomize 10-40 min.; 0=No 2 = randomize 6hr.-12hr.
- *23** MULTIPLE ALARMS [1]
[1=Yes]; 0=No
- *24** 4190WH TAMPER DISABLE [0]
1=disable; [0=enable]
- *25** BURGLARY TRIGGER FOR ZONE RESPONSE TYPE 8 [1]
0=disable; [1=enable]
- *26** INTELLIGENT TEST REPORTING [0]
1=Yes, (No report sent if any other report was recently sent);
[0=No]
- *27** TEST REPORT INTERVAL [0][2][4]
Enter interval in hours, 001-199; 000=No report [024];
- *28** POWER UP IN PREVIOUS STATE [1]
[1=Yes]; 0=No;
- *29** QUICK ARM [1]
[1=Yes]; 0=No
- *30** MAIN DAILER TOUCH TONE/ROTARY [1]
1=Touchtone; [0=Rotary];
See field 1*33 for Touch-tone w/Rotary backup
- *31** PABX ACCESS CODE [][][][]
0-9; * = 14; # = 15

***32** PRIMARY SBSCRBR ACCT# [0][1][0][2][0][3][0][4]
Enter 00-09; B-F (11-15) [15 15 15 15]

***33** PRIMARY PHONE NUMBER [][][][][][][][][][][][][][][]
Enter 0-9 for each digit

***34** SECONDARY PHONE NUMBER [][][][][][][][][][][][][][][]
Enter 0-9 for each digit

***35** DOWNLOAD PHONE No. [1][8][0][0][7][6][2][7][8][3][1][]
Enter 0-9 for each digit

***36** DOWNLOAD ID No. [1][5][1][5][1][5][1][5][1][5][1][5][1][5][1][5]
Enter 00-09; A-F (10-15) [15 15 15 15 15 15 15 15]

***37** DOWNLOAD COMMAND ENABLES [1][1][0][1][1][1][1][1][1]
Dialer System Not Remote Remote Remote Upload Download
Shutdown Shutdown Used Bypass Disarm Arm Program Program
See 1*53 for Callback disable option. [1=Enable]; 0=Disable
For UL installations, All options must be disabled.

***38** INHIBIT BYPASS OF ONE ZONE [0][0]
01-64; [00 if all zones (except Fire & system zones) can be bypassed]
Applies to installer and all users

***39** OPEN/CLOSE REPORT FOR INSTALLER [1]
1=Yes; 0=No

***40** OPEN/CLOSE REPORT FOR KEYSWITCH [0]
1=Yes; [0=No]

***41** EOLR DISABLE (Zone 3-8) [0]
[1=N.C. Loops]; 0=EOLR supervision;

***42** DIAL TONE PAUSE [0]
[0=5 seconds]; 1=11 seconds; 2=30 seconds;

***43** DIAL TONE DETECTION [1]
[1=wait for dial tone]; 0=pause then dial

***44** RING DETECTION COUNT [1][5]
01-14; 15=answering machine; [00=no detection]

***45** PRIMARY FORMAT [1]
[0= Low Speed]; 1=Contact ID; 2=ADEMCO High Speed;
3=ADEMCO Express

***46** LOW SPEED FORMAT (Primary) [0]
[0=ADEMCO Low Speed]; 1=Sescoa/Radionics

***47** SECONDARY FORMAT [1]
[0=Low Speed]; 1=Contact ID; 2=ADEMCO High Speed;
3=ADEMCO Express

***48** LOW SPEED FORMAT (Secondary) [0]
[0=Ademco Low Speed]; 1=Sescoa/Radionics

***49** CHECKSUM VERIFICATION [0][0]
1=Yes; [0=No] Primary Scndry

***50** SESCOA/RADIONICS [0]
1=Sescoa; [0=Radionics]

***51** DUAL REPORTING [0]
1=Yes; [0=No] If used with Split Reporting "1" option(1*34), alarms go to both primary and secondary numbers, while all other reports go to secondary only. if used with Split Reporting "2" option, open/close and test messages go to both lines, while all other reports go to primary.

***52** STANDARD/EXPANDED REPORT FOR PRIMARY [0][0][0][0][0][0]
Alarm Rstr Bypass Trbl Opn/Cl's Low Bat
Fire Supv Walk Test
[0=Standard]; 1=expanded; Note: Expanded overrides 4+2 format.

***53** STANDARD/EXPANDED REPORT FOR SECONDARY [0][0][0][0][0][0]
Alarm Rstr Bypass Trbl Opn/Cl's Low Bat
Fire Supv Walk Test
[0=Standard]; 1=expanded; Note: Expanded overrides 4+2 format.

ALARM REPORT CODE & ID DIGITS FOR ZONES 1-32 & SUPERVISORY & RESTORE CODES

[All codes default to 00]

*54 Code	*55 ID	*56 Code	*57 ID	*58		*59 Code	*60 ID	*61 Code	*62 ID	*63	
1	01 00	9	00 00	00	Alarm Rst.	17	00 00	25	00 00	00	Alarm Rst.
2	01 00	10	00 00	00	Trouble	18	00 00	26	00 00	00	Trouble
3	01 00	11	00 00	00	Trouble Rst.	19	00 00	27	00 00	00	Trouble Rst.
4	01 00	12	00 00	00	Bypass	20	00 00	28	00 00	00	Bypass
5	01 00	13	00 00	00	Bypass Rst.	21	00 00	29	00 00	00	Bypass Rst.
6	01 00	14	00 00			22	00 00	30	00 00		
7	01 00	15	00 00			23	00 00	31	00 00		
8	01 00	16	00 00			24	00 00	32	00 00		

ALARM REPORT CODE & ID DIGITS FOR ZONES 33-64 & SUPERVISORY & RESTORE CODES

[All codes default to 00]

*64 Code	*65 ID	*66 Code	*67 ID	*68		*69 Code	*70 ID	*71 Code	*72 ID	*73	
33	00 00	41	00 00	00	Alarm Rst.	49	00 00	57	00 00	00	Alarm Rst.
34	00 00	42	00 00	00	Trouble	50	00 00	58	00 00	00	Trouble
35	00 00	43	00 00	00	Trouble Rst.	51	00 00	59	00 00	00	Trouble Rst.
36	00 00	44	00 00	00	Bypass	52	00 00	60	00 00	00	Bypass
37	00 00	45	00 00	00	Bypass Rst.	53	00 00	61	00 00	00	Bypass Rst.
38	00 00	46	00 00			54	00 00	62	00 00		
39	00 00	47	00 00			55	00 00	63	00 00		
40	00 00	48	00 00			56	00 00	64	00 00		

ALARM REPORT CODE & ID DIGITS FOR ZONES 70-99 (Keypad panics & system zones) [All codes default to 00]

*76 Code	*77 ID	*78	
NU	00 00	00	Alarm Rst.
NU	00 00	00	Trouble
NU	00 00	00	Trouble Rst.
Duress	00 00	00	Bypass
97	01 00	00	Bypass Rst.
95	01 00	00	(1 + */A)
96	01 00	00	(3 + #/C)
99	01 00	00	(* + #/B)

*79 ZONE TYPE RESTORE for TYPES 1-8
1=Enable; [0=Disable]

0	0	0	0	0	0	0	0
1	2	3	4	5	6	7	8

*80 ZONE TYPE RESTORE for TYPES 9 & 10
1=Enable; [0=Disable]

0	0
9	10

CURRENT LCD DISPLAY FOR THIS SYSTEM

****DISARMED****

READY TO ARM

SYSTEM NON-ALARM CODES

	*81	*82	
	First Digit	Second Digit	
Close	00	00	Second digit of each applies only to 4+2 or expanded (fields *52 & *53) formats
Open	00	00	
Low Battery	01	00	
Low Bat Res.	00	00	
AC Loss	00	00	
AC Restore	00	00	
Test	00	00	
Power	00	00	
Cancel	01	00	
Prog. tamper	00	00	

*83 FIRST TEST REPORT TIME **00 12 00**

[Day 00; hour 12; min 00] Days 01-07 Hours 00-23 Min 00-59; 00 in all boxes = instant (Day 01 = Monday)

*84 SWINGER SUPPRESSION **1 0**

0-15 alarms [15]; Must be "00" (disabled) for UL.

*87 ENTRY WARNING **1**

[1=Continuous]; 0=3 Beeps

*88 BURGLAR ALARM COMM. DELAY **0**

1=16 seconds; [0=no delay]

*89 RESTORE REPORT TIMING **0**

[0= instant, as zone restores]; 1=after bell timeout if zone restored; 2=when system is subsequently disarmed

NOTE: When option "1" selected, a restore report is sent when any output (bells or aux. relay) times out.

*90 SECONDARY SUBSCRIBER ACCOUNT #

Enter 00-09; B-F(11-15) [15 15 15 15] **15 15 15 15**

SECOND PAGE PROGRAMMING FIELDS (press *94)

ASSIGN RESPONSE TYPES FOR ZONES 28-64

28	1*01	33	1*02	41	1*03	49	1*04	57	1*05
29	00	34	00	42	00	50	00	58	00
30	00	35	00	43	00	51	00	59	00
31	00	36	00	44	00	52	00	60	00
32	00	37	00	45	00	53	00	61	00
		38	00	46	00	54	00	62	00
		39	00	47	00	55	00	63	00
		40	00	48	00	56	00	64	00

3*10 RESPONSE TYPE ASSIGNMENT

70	00	Bell 1
71	19	Bell 2
72	19	Earth Ground
73	19	J2/IN 1
74	19	Dialer 1
75	00	Dialer 2
NU	00	
NU	00	

RESPONSE TYPES:
 00 = Disabled zone
 01 = ENTRY/EXIT #1
 02 = ENTRY/EXIT #2
 03 = PERIMETER
 04 = INTERIOR, FOLLOWER
 05 = DAY/NIGHT
 06 = 24-HOUR SILENT
 07 = 24-HOUR AUDIBLE ALARM
 08 = 24-HOUR AUXILIARY
 09 = FIRE
 10 = INTERIOR, DELAY
 16 = FIRE with Alarm Verification
 17 = FIRE Water Flow
 18 = FIRE Supervisory
 19 = 24 Hour Trouble

1*33 TOUCH-TONE W/ROTARY BACKUP
 1=Enable; [0=Disable]

1*34 COMM. SPLIT REPORT SELECTION
 [0=No]; 1=Alarms primary, others secondary;
 2=Open/close, test secondary, others primary;
 See *51 for comments.

SYSTEM NON-ALARM CODES

(Armed Stay, Time Set & Event Logging)

	1*40	1*41
	First Digit	Second Digit
Armed Stay	00	00
Time/Date set or event log reset	00	00
Event log 50% & 90% full	00	00
Event log overflow	00	00

1*43 ENABLE PERM. BACKLIGHT
 1=Enable; [0=Disable]

1*45 ENABLE CONSOLE ANNUNCIATION DURING EXIT DELAY
 1=Enable; [0=Disable]

1*47 ENABLE CHIME ANNUNCIATION ON BELL 1
 1=Enable; [0=Disable]

1*52 CANCEL REPORT RESTRICTION
 1=No restriction; [0=Within Bell Timeout period only]
 If zone is mapped to more than one output, shortest timeout applies

1*53 DOWNLOAD CALLBACK
 1=callback not required;
 [0=callback required]

EVENT LOGGING FIELDS

(Real time clock must be set: User code + [#] + 63)

1*70 EVENT LOG TYPES
 1 = Enable logging; Alarm Check Bypass Opr/Cls System
 [0 = Disable] & Fire Supv.

1*71 12/24 HOUR TIME STAMP FORMAT
 [0=12 hour]; 1=24 hour

1*72 EVENT LOG PRINTER ON-LINE MODE
 [0=Disable]; 1=Enable

1*73 PRINTER BAUD RATE
 [0=1200]; 1=300

3*13 SUPERVISORY ON OPEN/SHORT
 [0=Disable]; 1=Enable

3*14 WATER FLOW ALARM SILENCE
 [0=As Other Alarms]; 1=Automatically

3*15 ALARM BELL SOUND [1,0]
 0 = pulsed; 1 = steady Bell 1 Bell 2

3*16 DELAY for ZONE TYPES 17 & 18
 (Waterflow & Fire Supv) Enter [00] - 15 times 2 seconds

3*17 ALTERNATE FUNCTION (TAMPER) FOR ZONE 6
 [0 = disabled]; 1 = enabled

3*18 EXTENDED DELAY FOR ZONE TYPE 17/18
 [0=Disable]; 1=Enable

3*19 ENABLE J2 HEADER PRINTER PORT
 [0 = pins 5&9 function as perfield 3*20]; 1 = pins 5&9 act as printer RXD & DTR

3*20 TRIGGER OUTPUTS SELECTION
 [0 = LORRA full connection & Remote Console Sounder];
 1 = LORRA limited conn. & Keyswitch LEDs;
 2 = LORRA fire only conn. & 5140LED

3*21 MAX # OF DIALER RETRIES
 1-8

3*30 DIALER SELECTION [1,0]
 1 = enabled; 0 = disabled; Main Backup

3*31 BACKUP DIALER TOUCHTONE/ROTARY
 1=TouchTone; [0 = Rotary]

REPORT CODES & ID DIGITS FOR ZONES 70-77

[codes default to zero]

3*40 Code	3*41 ID	3*42	
70	00	00	Alarm Rst.
71	01	00	Trouble
72	01	00	Trouble Rst.
73	01	00	Bypass
74	01	00	Bypass Rst.
75	00	00	
76	00	00	
77	00	00	

3*50 ZONE TYPE RESTORE ENABLE
 ZONE TYPES 16-18 16 17 18

NON-ALARM CODES

	3*51	3*52
	First Digit	Second Digit
Fire/Burg. Walk Test Start	00	00
Fire/Burg. Walk Test End	00	00

	3*53	3*54
Fire off-normal	00	00

3*57 BELL 2 & Aux RELAY CONFIRMATION OF ARMING DING
 1 = enable; [0 = disabled] Bell 2 Aux

3*58 BELL 2 & Aux RELAY AC POWER LOSS ALARM
 1 = yes; [0 = no] Bell 2 Aux

3*59 ENABLE BELL 2 & AUX. RELAY CHIME ANNUNCIATION
 1 = enable; [0 = disabled] Bell 2 Aux

3*60 BELL 2 & AUX. RELAY TIMEOUT [00, 00]

00-15 times 2 minutes; 00=no timeout

Bell 2 Aux

3*61 AUX. RELAY FUNCTION

0 = Trouble/supervisory; [1 = Alarm, silenced by code + OFF]
 2 = Smoke Detector Reset; 3 = Battery Save;
 4 = Alarm, silenced by code + [#] + 67

BELL 1, BELL 2 & AUX. RELAY ACTIVATION

These fields apply to the Aux. Relay only if alarm function is enabled in field 3*61.

BELL/RELAY ACTIVATION CODES:	0 = None
1 = Bell 1	2 = Bell 2
3 = Bell 1 & 2	4 = Aux. Relay;
5 = Bell 1 & Relay;	6 = Bell 2 & Relay;
7 = Bells 1 & 2 & Relay;	

3*70
 ZONES: 1 [6] 2 [6] 3 [5] 4 [5] 5 [5] 6 [5] 7 [5] 8 [5]

3*71
 ZONES: 9 10 11 12 13 14 15 16

3*72
 ZONES: 17 18 19 20 21 22 23 24

3*73
 ZONES: 25 26 27 28 29 30 31 32

3*74
 ZONES: 33 34 35 36 37 38 39 40

3*75
 ZONES: 41 42 43 44 45 46 47 48

3*76
 ZONES: 49 50 51 52 53 54 55 56

3*77
 ZONES: 57 58 59 60 61 62 63 64

3*78
 ZONES: 70 71 72

3*79
 ZONES: 73 74 75

3*81
 ZONES: 95 96 97 99

3*82 ENABLE BURG. FEATURES

[1 = enable]; 0 = disable; "0" disables AWAY, STAY, MAX, TEST, INSTANT & CHIME functions

3*85 ENABLE FIRE & SYSTEM ZONE BYPASS

0=not enabled; [1=only installer can bypass];
 2=only installer & master user can bypass
 Applies to fire zone types 9, 16, 17, & 18, and system zones 70-77.

SUMMARY OF PROGRAMMING COMMANDS

To enter program mode, enter installer code + [8] + [0] + [0]. Enter first field address to begin programming.

To set standard defaults, press *97

To set communications defaults, press *94 + one of the following: *80=low speed; *81=Ademco Express; *82=Ademco High Speed; *83=Ademco's Contact ID

To change to next page of program fields, press *94

To return to previous set of fields, press *99

To erase account & phone number field entries, press [*] + field number + [*]

To assign zone descriptors, press *93 + follow menu prompts

To add custom words, press *93 + follow menu prompts

To enter Installer's Message, press *93 + follow menu prompts

To exit program mode, press *99 OR *98: *99 allows re-access to programming mode by installer code. *98 prevents re-access to programming mode by installer code.

PROGRAM FIELD GROUPS

- A. ASSIGN RESPONSE TYPES FOR ZONES
Fields *02-*05, 1*01-1*05 & 3*10
- B. SOUNDER, BELL & AUXILIARY RELAY OPTIONS
Fields *13, *16, *23, 1*47, 3*15, 3*57, 3*59-3*61
- C. BELL 1, BELL 2 & AUXILIARY RELAY ACTIVATION
Fields 3*70-3*81
- D. ENTRY/EXIT DELAYS & ACCESS OPTIONS
Fields *00, *09-*12, *15, *29, *87, 1*45
- E. MISCELLANEOUS SYSTEM OPTIONS
Fields *17-*19, *24, *25-*28, *38, *41, *83, 1*43, 3*16-3*20, 3*58, 3*82, 3*85
- F. PHONE LINE & COMMUNICATOR OPTIONS
Fields *30-*34, *42-*53, *84, *88-*90, 1*33, 1*34, 1*52 3*30, 3*31
- G. ALARM REPORT CODES
Fields *54-*78, 3*40-3*42
- H. SYSTEM NON-ALARM CODES
Fields *81, *82, 1*40, 1*41, 3*51, 3*52
- I. ZONE TYPE RESTORE ENABLES
Fields *79, *80, 3*50
- J. OPEN/CLOSE REPORT ENABLES
Fields *39, *40
- K. EVENT LOGGING OPTIONS
Fields 1*70-1*73
- L. DOWNLOADING OPTIONS
Fields *35-*37, *44, 1*53