

5140XM PROGRAMMING FORM

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

*00 INSTALLER CODE

[5140]

Enter 4 digits, 0-9

ASSIGN RESPONSE TYPE FOR ZONES

(Enter 00-19; see list below)

	*02	*03	*04	*05
1[09]		9	17	25
2[09]		10	18	26
3[03]		11	19	27
4[03]		12	20	0 0
5[03]		13	21	97
6[03]		14	22	95
7[03]		15	23	96
8[03]		16	24	99

NOTE: Non-zero entries act like Type 19 for zone 97

Poll Loop Short [19]

(1+*)

(3+ #)

(** #) [06]

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 Alarm; 07 = 24 hour Audible Alarm; 08 = 24 hour Auxiliary; 09 = Fire w/o alarm verification; 10 = Interior Delay; 16 = Fire with alarm verification; 17 = Fire Water Flow; 18 = Fire Supervisory; 19 = 24 hour Trouble

*09	ENTRY DELAY #1	00-15 times 15 seconds	[02]	
*10	EXIT DELAY #1	00-15 times 15 seconds	[03]	
*11	ENTRY DELAY #2	00-15 times 15 seconds	[03]	
*12	EXIT DELAY #2	00-15 times 15 seconds	[04]	
*13	BELL 1 TIMEOUT	00-15 times 2 minutes; 00=no timeout	[08]	
*15	KEYSWITCH ENABLE	0=disable; 1=arms/disarms & silences alarm bells; 2= Silences alarms only if fire alarm present	[0]	
*16	BELL 1 CONFIRMATION OF ARMING DING	1=enable; 0=disable	[1]	
*17	AC PWR LOSS CONSOLE SOUNDING	1=yes; 0=no	[1]	
*18	BELL 1 AC POWER LOSS ALARM	1=yes; 0=no	[0]	
*19	AC RANDOMIZE	1=randomize 10-40 min.; 0=no; 2= randomize 6hr.-12hr.	[2]	
*23	MULTIPLE ALARMS	1=yes; 0=no	[1]	
*24	4190WH TAMPER DISABLE	1=disable; 0=enable	[0]	
*25	BURGLARY TRIGGER FOR	ZONE RESPONSE TYPE 8 1=enable; 0=disable	[1]	
*26	INTELLIGENT TEST REPORTING	1=yes, (no report sent if any other report was recently sent); 0=no	[0]	
*27	TEST REPORT INTERVAL	Enter interval in hours, 001-199; 000=no report	[024]	
*28	POWER UP IN PREVIOUS STATE	1=yes; 0=no	[1]	
*29	QUICK ARM	1=yes; 0=no	[1]	
*30	MAIN DIALER TOUCHTONE/ROTARY	1=TouchTone; 0=rotary	[0]	
*31	PABX ACCESS CODE	00-09; B-F (11-15)		
*32	PRIMRY SUBSCRBR ACCT #	Enter 00-09; B-F (11-15)		

*33 PRIMARY PHONE NUMBER

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Enter 0-9 for each digit

*34 SECONDARY PHONE NUMBER

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Enter 0-9 for each digit

*35 DOWNLOAD PHONE No. Enter 0-9 for each digit

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*36 DOWNLOAD ID No.

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Enter 00-09; A-F (10-15) [15 15 15 15 15 15 15]

*37 DOWNLOAD COMMAND ENABLES [1=enable; 0=disable]

Dialer	Systm	Not	Remote	Remote	Remote	Upload	Download		
Shutdwn	Shutdwn	Used	Bypass	Disarm	Arm	Program	Program		

See field 1*53 for Callback disable option

*38 INHIBIT BYPASS OF ONE ZONE

[00]

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

[0]

1=yes; 0=no

*40 OPEN/CLOSE REPORT FOR KEYSWITCH

[0]

1=yes; 0=no

*41 EOLR DISABLE (Zones 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 true dial tone; 0=pause, then dial

*44 RING DETECTION COUNT

[00]

01-14; 15=answering machine; 00=no detection

*45 PRIMARY FORMAT

[0]

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

[0]

0=Low Speed; 1=Contact ID; 2=Ademco High Speed; 3=Ademco Express

*48 LOW SPEED FORMAT (Sec.)

[0]

0=Ademco Low Speed; 1=Sescoa/Radionics

*49 CHECKSUM VERIFICATION

[0, 0]
Prim Second

1=yes; 0=no

*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 & secondary numbers, while all other reports go to secondary only. If used with Split Reporting "2" option, all reports go to primary, while only open/close and test messages go to secondary.

*52 STANDARD/EXPANDED REPORT FOR PRIMARY

Alarm	Rstr	Bypass	Trbl	Opn/Cls	Low Bat
Fire Supv					Walk Test

[0=standard]; 1=expanded; Note: Expanded overrides 4+2 format.

*53 STANDARD/EXPANDED REPORT FOR SECONDARY

Alarm	Rstr	Bypass	Trbl	Opn/Cls	Low Bat
Fire Supv					Walk Test

[0=standard]; 1=expanded; Note: Expanded overrides 4+2 format.

REPORT CODES/ID DIGITS FOR ZONES 1-32

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

REPORT CODES/ID DIGITS FOR ZONES 33-64

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

REPORT CODES/ID DIGITS FOR ZONES 70-99

(Keypad panics & system zones)

*76 CODE	*77 ID	*78
NU 0 0	0 0	Alarm Rst.
NU 0 0	0 0	Trouble
NU 0 0	0 0	Trble Rst.
Dures		Bypass
97		Bypss Rst.
95		
96		
99		

* 79 ZONE TYPE RESTORE ENABLE FOR ZONE TYPES 1-8

1	2	3	4	5	6	7	8

1=enable; [0=disable]

* 80 ZONE TYPE RESTORE FOR TYPES 9 & 10

9	10

1=enable; [0=disable]

SYSTEM NON ALARM CODES

	*81 First Digit	*82 Second Digit
Close		
Open		
Low Battery		
Low Bat Res.		
AC Loss		
AC Restore		
Communicator Test		
Power Up		
Cancel		
Prog. Tamper		

Second digit of each code applies only to 4+2 or expanded (fields *52 & *53) formats.

* 83 FIRST TEST REPORT TIME

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[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

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01-15 alarms [15]

*87 ENTRY WARNING

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1=continuous; 0=3 beeps [1]

* 88 BURG. ALARM COMM. DELAY

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1=16 seconds; 0=no delay [0]

* 89 RESTORE REPORT TIMING

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0=instant; 1=at corresponding bell timeout; 2=at disarm
NOTE: When option "1" selected, a restore report is sent when any output (bells or aux. relay) times out. [0]

* 90 SCNDRY SUBSCRIBER ACCT

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

2nd Page Fields

ASSIGN RESPONSE TYPE FOR ZONES 28-64

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

1*33 TOUCH-TONE W/ROTARY BACKUP [0] ☐
1=enable; 0=disable

1*34 COMM. SPLIT REPORT SELECTION [0] ☐
0=no; 1=alarms primary, others secondary;
2=open/close, test secondary, others primary

SYSTEM NON-ALARM CODES

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

1*43 ENABLE PERM. BACKLIGHT [0] ☐
1=enable; 0=disable

1*45 ENABLE CONSOLE [0] ☐
ANNUN. DURING EXIT DELAY 1=enable; 0=disable

1*47 ENABLE CHIME ANNUN. ON BELL 1 [0] ☐
1=enable; 0=disable

1*52 CANCEL REPORT RESTRICTION [0] ☐
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 [0] ☐
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; [0]=disable Alarm & Fire Supv. Chck Byps O/C Systm

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

1*72 EVENT LOG PRINTER ON-LINE MODE [0] ☐
0=disable; 1=enable

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

3rd Page Fields

3*10 RESPONSE TYPE ASSIGNMENT

70		Bell 1
71		Bell 2 [19]
72		Earth Gnd [19]
73		J2/IN 1 [19]
74		Dialer 1 [19]
75		Dialer 2
NU	0 0	
NU	0 0	

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 Alarm
07 = 24 hour Audible Alarm
08 = 24 hour Auxiliary
09 = Fire w/o alarm verification
10 = Interior Delay
16 = Fire with alarm verification
17 = Fire Water Flow
18 = Fire Supervisory
19 = 24 hour Trouble

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

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

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

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

3*20 TRIGGER OUTPUTS SELECTION [0] ☐
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 [8] ☐
1-8 (3, 4 or 5 for NFPA71 compliant systems when a secondary phone number is programmed (field *34)

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

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

REPORT CODES/ID DIGITS FOR ZONES 70-77

3*40 CODE	3*41 ID	3*42
70		Alarm Rst.
71		Trouble
72		Trble Rst.
73		Bypass
74		Bypss Rst.
75		
76		
77		

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

NON-ALARM CODES	3*51 First Digit	3*52 Second Digit
Fire/Burg. Walk Test Start		
Fire/Burg. Walk Test End		

3*57 BELL 2 & Aux. RELAY CONFIRM ARM DING ☐ ☐
1=enable; [0]=disable 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]=disable Bell 2 Aux

- 3*60 BELL 2 & AUX. RELAY TIMEOUT**
00-15 times 2 minutes; 00=no timeout [00, 00] Bell 2 Aux
- 3*61 AUX. RELAY FUNCTION** [1]
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: 0 0 0 0 0 70 71 72

3*79
ZONES: 73 74 75 0 0 0 0 0

3*81
ZONES: 0 0 0 0 0 95 96 99

- 3*82 ENABLE BURGLAR FEATURES** [1]
1=enable; 0=disable; "0" disables AWAY, STAY, MAX, TEST, INSTANT & CHIME functions
- 3*85 ENABLE FIRE & SYSTEM ZONE BYPASS** [1]
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.

PROGRAMMING GUIDE

COMMAND FUNCTIONS

To enter program mode:

enter installer code + [8] + [0] + [0]

To set standard defaults:

press *97

To set communication 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 page of fields:

press *99

To erase account & phone number data entries:

press [*] + field number + [*]

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. EXIT/ENTRY 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