

5110XM-1 PROGRAMMING FORM

FIELD **FUNCTION** **PROGRAMMED VALUES** [] = Default Value

***20** MASTER CODE Enter 4 digits, 0-9...[5] [1] [1] [0]

Note: Master code for installer use only. When remote keypad installed, program user 2 code for system's principal user.

***27** OUTPUT TO LONG RANGE RADIO † [0 = no]; 1 = yes; If yes selected, dialer reports to PRIMARY No. (field *47) will also be sent via LRR. All dialer and LRR reports will be in Contact ID format (overriding field *46 selection).
This option has not been evaluated by U.L. and must be programmed to "0."

MISCELLANEOUS OPTIONS (*30-*34)

***30** ALARM BELL TIMEOUT † [0 = none]; 1 = 4 min; 2 = 8 min; 3 = 12 min; 4 = 16 min
For fire installations, bell must be programmed for option 0, 2, 3, or 4.

***31** AUXILIARY RELAY TIMEOUT † 0 = none; 1 = 4 min; 2 = 8 min; 3 = 12 min; [4 = 16 min.]

***32** SUPERVISORY ON OPEN/SHORT † [0 = Trouble on Open/Supv on Short]; 1 = Supv on Open/Supv on Short

***33** BACK-UP DIALER PULSE/TONE † [0 = Pulse Dial]; 1 = Tone Dial

***34** AUXILIARY RELAY FUNCTION † 0 = Trouble/Supv; [1 = Alarm (silenced by: SILENCE/RESET keypress, or code + OFF entry)]; 2 = Smoke Detector Reset; 3 = Battery Save; 4 = Alarm (silenced by: code + #67 entry).

Notes: 1. Requires remote keypad for "code + OFF" or "code + #67" entry.
2. When a function "1" or "4" is selected, program fields *85 and *86 to select zones which will trigger AUX RELAY. When function "1" is selected, program AUX RELAY timeout in field *31

DIALER PROGRAMMING (*40-*50)

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 up to 4 digits.

If fewer than 4 digits entered, exit by pressing * (and press 41, if entering next field.) To clear entries from field, press *40*.

***41** PRIMARY PHONE No. Enter up to 12 digits.

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 No. Enter up to 12 digits.

If fewer than 12 digits entered, exit by pressing * (and press 43, if entering next field.) To clear entries from field, press *42*.

***43** SUBSCRIBER ACCT No. 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*.

Examples: For Acct No. 1234, enter:

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

For Acct No. B234, enter:

For Acct No. 123, enter:

***45** MAIN DIALER PULSE/TONE † [0 = Pulse Dial]; 1 = Tone Dial

***46** REPORT FORMAT Also see field *27

- | | |
|--|---|
| [0 = 3+1, 4+1 ADEMCO L/S STANDARD]
1 = 3+1, 4+1 RADIONICS STANDARD
2 = 4+2 ADEMCO L/S STANDARD
3 = 4+2 RADIONICS STANDARD | 6 or undefined = 4+2 ADEMCO EXPRESS
7 = ADEMCO CONTACT ID REPORTING
8 = 3+1, 4+1 ADEMCO L/S EXPANDED
9 = 3+1, 4+1 RADIONICS EXPANDED |
|--|---|

***47** SPLIT/DUAL REPORTING [0 = Disable (Backup report only)]

TO PRIMARY PHONE No.	TO SECONDARY PHONE No.
1 = Alarms, Restore,	Other Reports
2 = All Reports except Test	Test
3 = Alarms, Restore	All Reports
4 = All Reports except Test	All Reports
5 = All Reports (Dual Reporting)	All Reports

***49** PERIODIC TEST MESSAGE † 0 = none; [1 = 24 hrs]; 2 = wkly; 3 = mnthly. Enter Test Code in fields *64 and *84. Must be a "1" for fire installations.

***50** SESCOA/RADIONICS SELECT † [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

ZONE ASSIGNMENT/ALARM REPORT CODES

*56 ZONE PROGRAMMING

(See explanation below table)

ZONE ALPHA	ZONE No. (Zn)	ZONE TYPE (ZT)	ALARM RPT CODE Hex (RC)
ZONE 01	01	0 9 [0] [9]	0 1 0 0 [00]
ZONE 02	02	0 9 [0] [9]	0 2 0 0 [00]
ZONE 03	03	0 9 [0] [9]	0 3 0 0 [00]
ZONE 04	04	0 9 [0] [9]	0 4 0 0 [00]
ZONE 05	05	0 9 [0] [9]	0 5 0 0 [00]
BELL	06 Bell Spvr	1 9 [1] [9]	0 6 0 0 [00]
ZONE 07	07 * #, B	0 0 [0] [0]	0 7 0 0 [00]
EARTH GROUND	10 Erth/Grnd	1 9 [1] [9]	0 0 0 0 [00]
MAIN DIALER	11 Mn Dialer	1 9 [1] [9]	0 0 0 0 [00]
BACKUP DIALER	12 BkupDialer	1 9 [1] [9]	0 0 0 0 [00]
AUX RELAY	13 Aux Relay	0 0 N A	0 0 0 0 [00]
ZONE 95	95 1 *, A	1 6 [0] [0]	0 0 0 0 [00]
ZONE 96	96 3 #, C	0 8 [0] [0]	0 0 0 0 [00]

IN THE ABOVE ZONE ASSIGNMENT TABLE:

Zn = ZONE NUMBER Wired Zones 01-05, System Zones 06, 10-13, and Keypad Zones 07, 95 & 96 may be programmed.

ZT = ZONE TYPE

00 = Zone Not Used
 06 = 24 Hr Silent
 07 = 24 Hr Audible
 08 = 24 Hr Aux
 09 = Fire, no Verification
 16 = Fire, w/ Verification
 17 = Fire Waterflow
 18 = Fire Supervisory
 19 = 24 Hr Trouble

ZT DEFAULT VALUES ARE SHOWN WITHIN BRACKETS [] ADJACENT TO ZT BOXES IN ABOVE TABLE

Note: Zones programmed for fire alarm response (types 09, 16, 17) must be programmed to trigger the bell in fields *85 and *86. Zones programmed for 24 Hour Audible Response (type 07) must be programmed to trigger the auxiliary relay in fields *85 and *86.

Note: California State Fire Marshall does not permit use of response type 16 (fire alarm with verification).

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. Make any Hex digit entry (other than "00") in the first pair of boxes. The second pair of boxes will be ignored.

RC Default Value for each zone is [00][00]

*57 ZONE TYPE 18 DELAY ENABLE

1

0 = Disable Delay (ignore delay programmed in field *78)
 [1 = Enable Delay Value] (use delay programmed in field *78) (default)

TO PROGRAM SYSTEM STATUS, & RESTORE REPORT CODES (*60-*75):

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 (*58-*68)

*58	SUPERVISORY REPORT CODE	[00]	0 0
*59	SUPERVISORY RESTORE REPORT CODE	[00]	0 0
*60	TROUBLE REPORT CODE	[00]	1 0
*61	BYPASS REPORT CODE	[00]	0 0
*62	AC LOSS REPORT CODE	[00]	0 0
*63	LOW BATTERY REPORT CODE	[00]	2 0
*64	NORMAL DIALER TEST REPORT CODE	[00]	0 0
*65	OPEN/EXIT ALARM REPORT CODE	[00]	□ / □
	2nd digit of OPEN REPORT is automatically sent as the user number if expanded or 4+2 reporting is selected.		
	2nd digit of EXIT ALARM REPORT is automatically sent as the 2nd digit of the zone alarm report code programmed in *56, if expanded or 4+2 reporting is selected.		
*66	AWAY/STAY CLOSE REPORT CODE	[00]	□ / □
	2nd digit of any CLOSE REPORT is automatically sent as the user number, if expanded or 4+2 reporting is selected.		
*68	CANCEL REPORT CODE	[00]	□ □

RESTORE REPORT CODES (*69-*74)

- *69 GROUP RESTORES FOR TROUBLE & BYPASS
- *70 ALARM RESTORE REPORT CODE
- *71 TROUBLE RESTORE REPORT CODE [00]
- *72 BYPASS RESTORE REPORT CODE [00]
- *73 AC RESTORE REPORT CODE [00]
- *74 LOW BAT RESTORE REPORT CODE [00]

[0 = one report for each restore],
1 = common report after zones 1-6, 10-12 have restored
Note: "1" not applicable to Contact ID reporting.

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. [0]

MISCELLANEOUS OPTIONS (*76-*86)

- *76 WATERFLOW ALARM SILENCING
- *77 ALARM BELL SOUND
- *78 ZONE TYPES 17 & 18 DELAY
- *79 MAIN/BACKUP DIALER ENABLE
M B
- *82 CUSTOM ALPHA EDITING:
- *84 MISCELLANEOUS REPORT CODES
FIRE WALK TEST START [00]
FIRE WALK TEST END [00]
OFF-NORM DIALER TEST [00]

[0 = manual silence only]; 1 = automatic silence when waterflow ceases (provided no other fire alarms present)
Automatic silence option may only be used with permission of local AHJ.

[0 = pulsing]; 1 = steady
Note: The "pulsing" option causes bell to sound using NFPA three pulse temporal pattern.

[00] - 99 seconds
Zone Type 18 delay must be entered in field *57.
Combined sensor and program field *78 cannot exceed 90 seconds in fire installations.

For each dialer, enter: 0 = disabled; [1 = enabled]

Note: Dialer supervision must be separately enabled/disabled in field *56 (system zones 11, 12).

(Also entered from field *56): See procedure in instructions.

Enter 2 hex digits for each (see "Examples" box for *58)

- *85 ZONES 1-7 BELL & AUX RELAY ACTIVATION
Zone: 1 2 3 4 5 6 7
Default: [1] [1] [1] [1] [1] [0] [0]
- *86 ZONES 10-12, 95 & 96 BELL & AUX RELAY ACTIVATION *
Zone: 10 11 12 95 96
Default: [0] [0] [0] [0] [0]

0 = none; 1 = bell
2 = aux relay; 3 = bell & aux relay

0 = none; 1 = bell
2 = aux relay; 3 = bell & aux relay

* You must enter 0 in this box.

DOWNLOAD INFO (*94, *95)

- *94 DOWNLOAD PHONE No.

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

[O=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)

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

TO EXIT PROGRAM MODE (*98 or *99)

Press *98 or *99 if exiting programming, or next field number if continuing.

- *98 EXITS PROGRAMMING MODE and prevents re-entry by: Master Code + Code + 0.
- *99 EXITS PROGRAMMING MODE and allows re-entry by: Master Code + Code + 0 or by: Power-up + * + #.