

**ADEMCO 4110XM
SECURITY SYSTEM**

Programming Guide

Refer to the Installation and Setup Guide for detailed information on Programming the 4110XM. The Installation and Setup Guide includes additional information on the data fields,

Entering Program Mode

Use one of the following methods to enter Programming Mode:

1. Power up, then depress both the [*] and [#] keys at the same time within 50 seconds after power is applied to the Control.

OR

2. After power-up, enter the [Master Code] + 8 + 0 (default Master Code is 4110).

Note: This method is disabled if you exit the program mode using *98 instead of *99. See "Exiting Program Mode" later in this section.

3. Upon entry into Program mode, data field *20 will be displayed (the first field in the system) and both keypad LED's will flash.

Programming Mode Commands

Task	Command/Explanation
Go to a Data Field	Press [*] + [Field Number] , followed by the required entry.
Entering Data	When the desired field number appears, simply make the required entry. When the last entry for a field is entered, the keypad beeps three times and automatically displays the next data field in sequence. If the number of digits that you need to enter in a data field is less than the maximum digits available (for example, the phone number fields *41, *42), enter the desired data, then press [*] to end the entry. The next data field number is displayed.
Review a Data Field	Press [#] + [Field Number]. Data will be displayed for that field number. No changes will be accepted in this mode.
Deleting an Entry	Press [*] + [Field Number] + [*]. (Applies only to fields *40 thru *44, *94)
Initialize Download ID	Press *96. Initializes download ID and subscriber account number.
Reset Factory Defaults	Press *97. Sets all data fields to original factory default values.
Exit Program Mode with installer code lockout	Press *98. Exits programming mode and <i>prevents</i> re-entry by: Installer Code + 8 + 0 + 0. To reenter programming mode, the system must be powered down, then powered up. Then use method A above. See field *88 for other 98 Program mode lockout options.
Exit Program Mode	Press *99. Exits programming mode and <i>allows</i> re-entry by: Installer Code + 8 + 0 + 0 or method A above.

Data Fields

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

SYSTEM OPTIONS (*20-*28)

- | | | | |
|-----|--------------------------------|---|---|
| *20 | MASTER SECURITY CODE | <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> [4] [1] [1] [0] | <p>Enter 4 digits, 0-9 (entry of all 4 is mandatory).
Use of a "9" in the last position inhibits the Ambush feature.</p> |
| *21 | QUICK ARM ENABLE | † <input type="text"/> [0], | <p>0 = no; 1 = yes. If enabled, [#] key can be used instead of security code when arming the system.</p> |
| *22 | KEYSWITCH ENABLE | † <input type="text"/> [0] | <p>0 = no; 1 = yes</p> |
| *23 | FORCE BYPASS FUNCTION | † <input type="text"/> [0] | <p>0 = no; 1 = yes. Allows all faulted zones to be bypassed by entering [Security Code] + [Bypass]. Zones that are bypassed by this function will be displayed after the bypass is initiated.</p> |
| *24 | NOT USED (Must be set to "00") | <input type="text"/> <input type="text"/> [0] [0] | |
| *27 | AUDIBLE EXIT WARNING | <input type="text"/> [1] | <p>0 = no; 1 = yes. If selected, beeping occurs during exit time and changes from slow to rapid beeping during last 5 seconds of exit delay.</p> |
| *28 | CONFIRMATION OF ARMING DING | <input type="text"/> [0] | <p>0 = no; 1 = yes. If selected, external sounder will sound for approximately 1 second at end of exit time or at time of kissoff of closing report, if programmed.</p> |
| *29 | FIRE SOUNDER TIMEOUT | † <input type="text"/> [0] | <p>0 = sounder timeout, 1 = no sounder timeout. Enter 0 if sounder timeout for fire zones is desired (uses time programmed in field *30).</p> |
| *30 | ALARM SOUNDER TIMEOUT | † <input type="text"/> [1] | <p>Enter time for external sounder to shut off after alarm occurs.
0 = no timeout; 1 = 4 min; 2 = 8 min; 3 = 12 min</p> |

PROGRAMMING HARDWIRE ZONES (*31-*37)

- | | | | | | | | | | | | | | | | |
|---|--|--------------------------|--|-----------------------------|--------------------|--------------------------|---------------------|---------------------|-----------------------|-------------------------|---|------------------------|--|---|--|
| *31 | ZONE 1 RESPONSE TYPE | <input type="text"/> [1] | <p style="text-align: center;">ZONE TYPES FOR PROGRAMMING FIELDS *31-37</p> <table border="0" style="width: 100%; font-size: small;"> <tr> <td>0 = DISABLED (or Undefined)</td> <td>6 = 24 HR (Silent)</td> </tr> <tr> <td>1 = ENTRY/EXIT, Burglary</td> <td>7 = 24 HR (Audible)</td> </tr> <tr> <td>2 = <i>Not used</i></td> <td>8 = 24 HR (Auxiliary)</td> </tr> <tr> <td>3 = PERIMETER, Burglary</td> <td>9 = FIRE (Fields *35 and *37 only) enter # + 10</td> </tr> <tr> <td>4 = INTERIOR/FOLLOWER,</td> <td>10 = INTERIOR W/DELAY, Burglary (To program, Enter # + 10)</td> </tr> <tr> <td>5 = TROUBLE BY DAY/ALARM BY NIGHT, Burglary</td> <td></td> </tr> </table> | 0 = DISABLED (or Undefined) | 6 = 24 HR (Silent) | 1 = ENTRY/EXIT, Burglary | 7 = 24 HR (Audible) | 2 = <i>Not used</i> | 8 = 24 HR (Auxiliary) | 3 = PERIMETER, Burglary | 9 = FIRE (Fields *35 and *37 only) enter # + 10 | 4 = INTERIOR/FOLLOWER, | 10 = INTERIOR W/DELAY, Burglary (To program, Enter # + 10) | 5 = TROUBLE BY DAY/ALARM BY NIGHT, Burglary | |
| 0 = DISABLED (or Undefined) | 6 = 24 HR (Silent) | | | | | | | | | | | | | | |
| 1 = ENTRY/EXIT, Burglary | 7 = 24 HR (Audible) | | | | | | | | | | | | | | |
| 2 = <i>Not used</i> | 8 = 24 HR (Auxiliary) | | | | | | | | | | | | | | |
| 3 = PERIMETER, Burglary | 9 = FIRE (Fields *35 and *37 only) enter # + 10 | | | | | | | | | | | | | | |
| 4 = INTERIOR/FOLLOWER, | 10 = INTERIOR W/DELAY, Burglary (To program, Enter # + 10) | | | | | | | | | | | | | | |
| 5 = TROUBLE BY DAY/ALARM BY NIGHT, Burglary | | | | | | | | | | | | | | | |
| *32 | ZONE 2 RESPONSE TYPE | <input type="text"/> [4] | | | | | | | | | | | | | |
| *33 | ZONE 3 RESPONSE TYPE | <input type="text"/> [3] | | | | | | | | | | | | | |
| *34 | ZONE 4 RESPONSE TYPE | <input type="text"/> [3] | | | | | | | | | | | | | |
| *35 | ZONE 5 RESPONSE TYPE | <input type="text"/> [9] | | | | | | | | | | | | | |
| *36 | ZONE 6 RESPONSE TYPE | <input type="text"/> [7] | | | | | | | | | | | | | |
| *37 | ZONE 7 RESPONSE TYPE | <input type="text"/> [6] | | | | | | | | | | | | | |

Console Panic: Key B or * & #. Only zone types 0, 6, 7, 8, 9 apply.

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

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

***38** ENTRY DELAY † [2]
 0 = 0 sec; 1 = 20 sec; 2 = 30 sec; 3 = 45 sec; 4 = 60 sec; 5 = 90 sec.
 EXIT Delay = ENTRY Delay + 15 sec

***39** ZONE 3 RESPONSE TO OPEN † [0]
 0 = 400 ms nominal; 1 = 10 ms nominal

DIALER PROGRAMMING (*40-*49)

For fields *40-*42, enter digits 0-9, or # + 11 for [*], # + 12 for [#], # + 13 for 2 second pause. If fewer than the maximum number of digits is entered, exit the field by pressing [*] followed by the next field number to be programmed.

***40** PABX ACCESS CODE
 Enter 4 digits. To clear entries from field, press ***40***.

***41** PRIMARY PHONE No.
 Enter up to 12 digits. Do not fill unused spaces.
 To clear entries from field, press ***41***.

***42** SECONDARY PHONE No.
 Enter up to 12 digits. Do not fill unused spaces.
 To clear entries from field, press ***42***.

***43** SUBSCRIBER ACCOUNT 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 44, if entering next field). To clear entries from field, press ***43***.

Examples: For Acct No. **1234**, enter: 1 2 3 4
 For Acct No. **B234**, enter: #+11 2 3 4
 For Acct No. **123**, enter: 1 2 3 *

***44** REPORT FORMAT [0]
 0 = 3+1, 4+1 ADEMCO L/S STANDARD 7 = ADEMCO CONTACT ID® REPORTING
 1 = 3+1, 4+1 RADIONICS STANDARD 8 = 3+1, 4+1 ADEMCO L/S EXPANDED
 2 = 4+2 ADEMCO L/S STANDARD 9 = 3+1, 4+1 RADIONICS EXPANDED
 3 = 4+2 RADIONICS STANDARD
 6 or undefined = 4+2 ADEMCO EXPRESS

***45** PHONE SYSTEM SELECT † [0]
 If Cent. Sta. IS NOT on a WATS line: 0 = Pulse Dial; 1 = Tone Dial
 If Cent. Sta. IS on a WATS line: 2 = Pulse Dial; 3 = Tone Dial

***46** SESCOA/RADIONICS SELECT † [0]
 0 = Radionics (0-9, B-F reporting); 1 = SESCOA (0-9 only reporting)

***47** 15 SEC DIALER DELAY (BURG) † [0]
 0 = no, 1 = yes

***48** PERIODIC TEST MESSAGE † [0]
 0 = none, 1 = 24 hrs; 2 = weekly (enter Test Code in field *64)
 (Initial report is sent 12 hrs. after exiting programming or downloading.)

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

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

*49 SPLIT/DUAL REPORTING

[0]

TO PRIMARY PHONE No.

- 0 = All
- 1 = Alarms, Restore, Cancel
- 2 = All Reports except Open/Close, Test
- 3 = Alarms, Restore, Cancel
- 4 = All Reports except Open, Close, Test
- 5 = All Reports (Dual Reporting)All Reports

TO SECONDARY PHONE No.

- Backup Report Only
- Other Reports
- Open/Close, Test
- All Reports
- All Reports

TO PRIMARY PHONE No.

- 6 = All reports except open/close
- 7 = All reports
- 8 = All reports

TO PAGER No.†† (secondary)

- Alarms, Open/Close, Trouble
- Alarms, Troubles
- Alarms, Open/Close, Troubles

†† Can only be used if primary reporting format is ADEMCO Contact ID®.

ALARM REPORT CODES (*50-*59)

*50 1st DIGIT OF Zn 95, Zn 96
(Keypad Panics)

(95) (96)

Enter 1-9, 0, B-F as described in box below.

An entry of "0" will disable report.

2nd Digit of each (for expanded or 4+2 reporting) is same as for field *57.

Zone 95 is Console Silent Panic (Key A or 1 & *).

Zone 96 is Console Audible Panic (Key C or 3 & #).

*51 ZONE 1 ALARM REPORT CODE

*52 ZONE 2 ALARM REPORT CODE

*53 ZONE 3 ALARM REPORT CODE

*54 ZONE 4 ALARM REPORT CODE

*55 ZONE 5 ALARM REPORT CODE

*56 ZONE 6 ALARM REPORT CODE

*57 ZONE 7 ALARM REPORT CODE

(Console Panic: Key B or *&#)

*58 ZONE 8 ALARM RPT CODE (Duress)

*59 NOT USED (Must be set to "00")

TO PROGRAM REPORT CODES FOR ALARM, SYSTEM STATUS, RESTORE (*51-*75)

For 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.

For Expanded or 4+2 Format:

Enter codes in *both* boxes (1st and 2nd digits) for 1-9, 0, or B-F, as described above.

For ADEMCO Contact ID® Format:

Enter any digit (other than "0") in the *first* box, to enable zone to report. This is an "enabling" code only and is not the actual report sent to the central office.

Entries in the *second* box will be ignored.



An entry of "0" in the *first* box for any report format will **disable** a report. An entry of "0" in the *second* box will result in automatic advance to the next field when programming. **To send "0" as a digit, you must enter # + 10.**

SYSTEM STATUS REPORT CODES (*60-*68)

*60 TROUBLE REPORT CODE

*61 BYPASS REPORT CODE

*62 AC LOSS REPORT CODE

*63 LOW BAT REPORT CODE

*64 TEST REPORT CODE

*65 OPEN REPORT CODE

††

*66 CLOSE REPORT CODE

††

†† 2nd digit is automatically sent as the user number if expanded or 4+2 reporting is selected.

Examples:

For Code 3 (Single Digit), enter:

3 0

For Code 32 (Two Digits), enter:

3 2

For Code B2 (Hexadecimal) enter:

#11 2

***67** NOT USED

***68** CANCEL REPORT CODE

RESTORE REPORT CODES (*69-*75)

***69** GROUP RESTORES FOR TROUBLE AND BYPASS [0]
 0 = no (report for each restore),
 1 = yes (report after all zones restored)

Note: "1" not applicable to Contact ID® reporting.

***70** ALARM RESTORE REPORT CODE

2nd digit is automatically sent as the 2nd digit of the zone alarm report code programmed in *50-*59, if expanded or 4+2 reporting is selected.

***71** TROUBLE RESTORE REPORT CODE

***72** BYPASS RESTORE REPORT CODE

***73** AC RESTORE REPORT CODE

***74** LOW BAT RESTORE REPORT CODE

***75-*92** NOT USED

***93** REPORTS PER ARMED PERIOD [0]

0 = 10 max total alarm + alarm restores; 1 = Unlimited

DOWNLOAD INFORMATION (*94-*97)

***94** DOWNLOAD PHONE No.

Enter up to 12 digits, 0-9. Do not fill unused spaces. If fewer than 12 digits entered, exit field by pressing * (and press 95, if entering next field). Enter # + 11 for [*], # + 12 for [#] and # + 13 for 2-second pause. To clear entries from field, press *94*.

***95** RING DET COUNT FOR DOWNLOADING [0]

[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)

***96** INITIALIZES **DOWNLOAD ID** AND **SUBSCRIBER ACCOUNT No.** FOR FIRST TIME DOWNLOAD (THIS **MUST** BE DONE BEFORE FIRST DOWNLOAD. ONCE INITIALIZED, DO NOT RE-ENTER ANOTHER SUBSCRIBER ACCOUNT No. MANUALLY. THIS WOULD VOID THE *96 COMMAND.

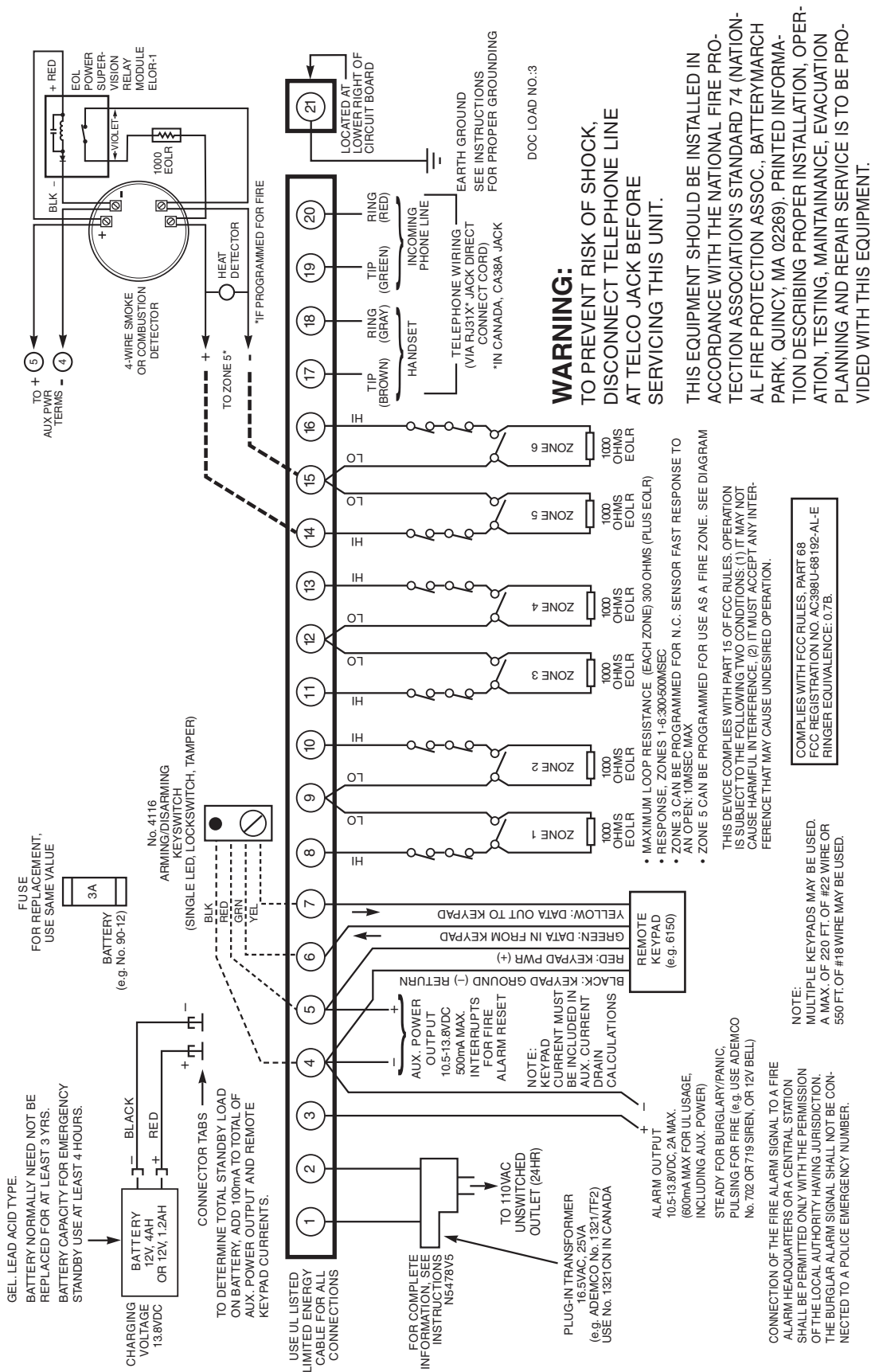
***97** ZEROS ALL PROGRAM FIELDS

TO EXIT PROGRAM MODE (*98 or *99)

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

***98** EXITS PROGRAMMING MODE *Prevents* re-entry by: [Master Code] + [Code] key + [0].

***99** EXITS PROGRAMMING MODE *Allows* re-entry by: [Master Code] + [Code] key + [0].



No. 4110XM SUMMARY OF CONNECTIONS

COMPLIES WITH FCC RULES, PART 68
 FCC REGISTRATION NO. AC398U-68192-AL-E
 RINGER EQUIVALENCE: 0.7B.

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