

ADEMCO 5110XM PROGRAMMING FORM

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

SYSTEM SETUP (*20, *27)

***20 MASTER CODE** [5] [1] [1] [0]
 Enter 4 digits, 0-9
Note: Master code for installer usage only. When remote keypad installed, program user 2 code for system's principal user.

***27 OUTPUT TO LONG RANGE RADIO** † [0]
 0 = no; 1 = yes
 If yes, 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 UL and must be programmed to "0."

MISCELLANEOUS OPTIONS (*30-*34)

***30 ALARM BELL TIMEOUT** † [0]
 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** † [4]
 0 = none; 1 = 4 min; 2 = 8 min; 3 = 12 min; 4 = 16 min

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

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

***34 AUXILIARY RELAY FUNCTION** † [1]
 0 = Trouble/Supv; 1 = Alarm (silenced by: SILENCE/RESET key press, 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 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.

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

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 reporting is used. To clear entries from field, press *43*.

Examples: For Acct No. **1234**, enter:

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

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

1	2	3	k
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- *45 MAIN DIALER PULSE/TONE † [0]
0 = Pulse Dial; 1 = Tone Dial
- *46 REPORT FORMAT [0] also see field *27.
0 = 3+1, 4+1 ADEMCO L/S STANDARD 6 or undefined = 4+2 ADEMCO EXPRESS,
1 = 3+1, 4+1 RADIONICS STANDARD 7 = ADEMCO CONTACT ID
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
- *47 SPLIT/DUAL REPORTING [0]
TO PRIMARY PHONE No. **TO SECONDARY PHONE No.**
0 = Disable (Backup report only) N/A
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 † [1]
0 = none; 1 = 24 hrs; 2 = wklly; 3 = monthly. Enter Test Code in fields *64 and *84. Must be a "1" for fire installations.
- *50 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.

ZONE ASSIGNMENTS/ALARM REPORT CODES (*56)

*56 ZONE No. (Zn)	ZONE PROGRAMMING ZONE DESCRIPTION	(See explanation below table)[ZONE TYPE (ZT)	ALARM RPT CODE (Hex) (RC)
Zone 01	Wired Zone	<input type="checkbox"/> <input type="checkbox"/> [9]	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Zone 02	Wired Zone	<input type="checkbox"/> <input type="checkbox"/> [9]	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Zone 03	Wired Zone	<input type="checkbox"/> <input type="checkbox"/> [9]	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Zone 04	Wired Zone	<input type="checkbox"/> <input type="checkbox"/> [9]	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Zone 05	Wired Zone	<input type="checkbox"/> <input type="checkbox"/> [9]	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Zone 06	Bell Supervision	<input type="checkbox"/> <input type="checkbox"/> [19]	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Zone 07	Keypad Emergency (* & # or B Key)	<input type="checkbox"/> <input type="checkbox"/> [00]	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Zone 10	Earth Ground Supervision	<input type="checkbox"/> <input type="checkbox"/> [19]	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Zone 11	Main Dialer Supervision	<input type="checkbox"/> <input type="checkbox"/> [19]	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Zone 12	Back-up Dialer Supervision	<input type="checkbox"/> <input type="checkbox"/> [19]	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Zone 13	Auxiliary Relay Disable	<input type="checkbox"/> <input type="checkbox"/> [00]	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Zone 95	Keypad Emergency (1&*, or A key)	<input type="checkbox"/> <input type="checkbox"/> [00]	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Zone 96	Keypad Emergency (3&#, or C key)	<input type="checkbox"/> <input type="checkbox"/> [00]	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

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 IN 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 (use delay programmed in field *78)

SYSTEM STATUS REPORT CODES (*58-*68)

*58 SUPERVISORY REPORT CODE

*59 SUPERVISORY RESTORE REPORT CODE

*60 TROUBLE REPORT CODE

*61 BYPASS REPORT CODE

*62 AC LOSS REPORT CODE

*63 LOW BATTERY REPORT CODE

*64 NORMAL DIALER TEST REPORT CODE

TO PROGRAM SYSTEM STATUS, & RESTORE REPORT CODES (*58-*74):

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 *both* 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

For Code **32** (Two Digits), enter

For Code **B2** (Hexadecimal) enter

RESTORE REPORT CODES (*69-*74)

*69 GROUP RESTORES for TROUBLE & BYPASS [0]

0= one report for each zone restore).

1 = common report after zones 1-6, 10-12 have 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 *56, 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

MISCELLANEOUS OPTIONS(*76-*86)

*76 WATERFLOW ALARM SILENCING [0]

0 = manual silence only; 1 = automatic silence when waterflow ceases (provided no other fire alarms present)

Note: Automatic silence option can only be used with permission of local AHJ.

*77 ALARM BELL SOUND [0]

0 = pulsing; 1 = steady

Note: The "pulsing" option causes bell to sound using NFPA three pulse temporal pattern.

***78** ZONE TYPES 17 & 18 DELAY [00]
 00-99 seconds.
Note: Zone type 18 delay must be enabled in field *57.
 Combined sensor and program field *78 delay must not exceed 90 seconds in fire installations.

***79** MAIN/BACKUP DIALER ENABLE [1] [1]
 MAIN BACKUP
 For each dialer, enter: 0 = disabled, 1 = enabled
Note: Dialer supervision must be separately enabled/disabled in field *56 (system zones 11, 12).

***82** CUSTOM ALPHA EDITING (Also entered from field *56): See procedure in Installation Instructions.

***84** MISCELLANEOUS REPORT CODES
 FIRE WALK FIRE WALK OFF-NORMAL
 TEST START TEST END DIALER TEST
 Enter 2 hex digits for each (see box next to field *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]
 0 = none; 1 = bell; 2 = aux relay; 3 = bell & aux relay

***86** ZONES 10-12, 95 & 96 BELL & AUX RELAYACTIVATION
 Zone: 0 *
 Default: 10 11 12 95 96
 [0] [0] [0] [0] [0]
 0 = none; 1 = bell; 2 = aux relay; 3 = bell & aux relay
***You must enter 0 in this box.**

DOWNLOAD INFO (*94-*96)

***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 [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, 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 + * + #.



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