

FA2000C PROGRAMMING FORM

FIELD FUNCTION PROGRAMMED VALUES [= Default Value

SYSTEM SETUP (*20, *27)

- *20 MASTER CODE [5] [1] [0]
 Enter 4 digits, 0-9
Note: Master code or installer usage only. When remote keypad installed, program user 2 code or system's principal user.
- *27 OUTPUT TO LONG RANGE RADIO [0]
 0 = no 1 = yes
 yes, dialer reports to PRIMARY No. (~~167~~) will also be sent via LRR. All dialer and LRR reports will be in Contact ID format (overriding dial 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 or option 0, 2, 3, or 4.
- *31 AU~~I~~ILIARY 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 BAC~~K~~-UP DIALER PULSE/TONE [0]
 0 = Pulse Dial 1 = Tone Dial
- *34 AU~~I~~ILIARY 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. Re~~q~~quires remote keypad or code + OFF or code + #67 entry.
 2. When function 1 or 4 is selected, program ~~86~~ *86 to select ones which will trigger AU~~I~~ RELAY. When function 1 is selected, program AU~~I~~ RELAY timeout in ~~67~~ .

Entry o~~f~~ a number other than one speci~~fi~~ed will give unpredictable results.

DIALER PROGRAMMING (*40- *50)

- *40 PAB~~X~~ ACCESS CODE
 In fields 40, *41, *42, enter up to the number o~~f~~ digits shown. Do not ill unused spaces. Enter 0-9 #+11 #+12 or # #+13 or a pause.
 Enter up to 4 digits.
 fewer than 4 digits entered, exit by pressing and press 41, i~~f~~ entering next field). To clear entries rom field, press .
- *41 PRIMARY PHONE No.
 Enter up to 12 digits. i~~f~~ fewer than 12 digits entered, exit by pressing (single) press 42, i~~f~~ entering next field). To clear entries rom field, press .
- *42 SECONDARY PHONE No.
 Enter up to 12 digits. i~~f~~ fewer than 12 digits entered, exit by pressing (single) press 43, i~~f~~ entering next field). To clear entries rom field, press .
- *43 SUBSCRIBER ACCT No.
 Enter 0-9 #+11 or B #+12 or C #+13 or D #+14 or E #+15 or F . Enter as 4th digit, i~~f~~ 3+1 reporting is used. To clear entries rom field, press .

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

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

- ★45 MAIN DIALER PULSE/TONE [0]
0 = Pulse Dial 1 = Tone Dial
- ★46 REPORT FORMAT [0] also see 27.
0 = 3+1, 4+1 ADEMCO L/S STANDARD 6 or undefined = 4+2 ADEMCO EPRESS,
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 EPANDED
3 = 4+2 RADIONICS STANDARD 9 = 3+1, 4+1 RADIONICS EPANDED
- ★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 = wkl 3 = monthly. Enter Test Code in 6 and 84. Must be a or fire installations.
- ★50 SESCOA/RADIONICS SELECT [0]
0 = Radionics (0-9, B-F reporting)
1 = SESCOA (0-9 only reporting) Select or all other formats.
 Entry of a number other than one specified will give unpredictable results.

ZONE ASSIGNMENTS/ALARM REPORT CODES (★56)

★56 ZONE PROGRAMMING (See explanation below table)

ZONE No. (Zn)	ZONE DESCRIPTION	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"/> <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"/> <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"/> <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"/> <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"/> <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"/> <input type="checkbox"/>
Zone 07	<input type="checkbox"/> keypad Emergency (* & # or B <input type="checkbox"/> key)	<input type="checkbox"/> <input type="checkbox"/> [00] <input type="checkbox"/>	<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"/> <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"/> <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"/> <input type="checkbox"/>
Zone 13	Auxiliary Relay Disable	0 0	0 0 0 0
Zone 95	<input type="checkbox"/> 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"/> <input type="checkbox"/>
Zone 96	<input type="checkbox"/> 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"/> <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 or fire alarm response (types 09, 16, 17) must be programmed to trigger the bell in 85 and 86. Zones programmed or 24 Hour Audible Response (type 07) must be programmed to trigger the auxiliary relay in 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 or 0-9, 10 or A, 11 or B, 12 or C, 13 or D, 14 or E, 15 or F.

is entered in the first pair of boxes, there will be no report or that one.

For contact ID reporting, this is an enabling code only. Make any hex digit entry (other than) in the first pair of boxes. The second pair of boxes will be ignored.

RC Default Value or each one is [00] [00]

*57 ZONE TYPE 18 DELAY ENABLE

[0]

0 = Disable Delay (ignore delay programmed in #78)
1 = Enable Delay (use delay programmed in #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 or 0, #+11 or B, #+12 or C, #+13 or D, #+14 or E, #+15 or F.

A (not #+10) in the *first* box will disable a report.
A (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) or 1-9, 0, or B-F, as described above.

A (not #+10) in the *second* box will eliminate the expanded message or that report.
A (not #+10) in *both* boxes will disable the report.

With Ademco Contact ID Reporting: Enter any digit (other than) in the *first* box, to enable one to report (entries in the *second* boxes will be ignored).
A (not #+10) in the *first* box will disable the report.

Examples: For Code3 (Single Digit), enter

For Code32 (Two Digits), enter

For CodeB2 (Hexadecimal) enter

RESTORE REPORT CODES (*69-*74)

*69 GROUP RESTORES or TROUBLE & BYPASS [0]

0 = one report or each one restore).
1 = common report a ter ones 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 o the one alarm report code programmed in 56, i 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 water low ceases (provided no other fire alarms present)
Note: Automatic silence option can only be used with permission o local AH .

*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 i#7.
 Combined sensor and program i#78 delay must not exceed 90 seconds in
 fire installations.

*79 MAIN/BACUP DIALER ENABLE [1] [1]
 MAIN BACUP
 For each dialer, enter: 0 = disabled, 1 = enabled
 Note: Dialer supervision must be separately enabled/disabled in i#6
 (system ones 11, 12).

*82 CUSTOM ALPHA EDITING (Also entered rom i#16): See procedure in Installation Instructions.

*84 MISCELLANEOUS REPORT CODES
 FIRE WAL FIRE WAL OFF-NORMAL
 TEST START TEST END DIALER TEST
 Enter 2 hex digits or each (see box next to i#8).

*85 ZONES 1-7 BELL & AU RELAY ACTIVATION
 Zone:
 Deault: 1 2 3 4 5 6 7
 [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 & AU RELAY ACTIVATION
 Zone: *
 Deault: 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 #+12 or # #+13 or a pause. Do not ill
 unused spaces. fewer than 12 digits entered, exit ield by pres iing
 press 95, i entering next ield). To clear entries rom ield, press

*95 RING DET COUNT FOR DOWNLOADING [0]
 0=Disable Station Initiated Download
 1-14=number o rings (1-9, #+10=10, #+11=11, #+12=12, #+13=13, #+14=14)
 15=answering machine de eat (#+15=15)

*96 INITIALIZES DOWNLOAD ID, SUBSCRIBER ACCOUNT No. FOR INITIAL DOWNLOAD
 No entry re iured.

*97 SETS ALL PROGRAM FIELDS TO DEFAULT VALUES
 No entry re iured.

TO EXIT PROGRAM MODE (*98 or *99)
 Press *98 or *99 i exiting programming, or next ield number i continuing.

*98 E ITS PROGRAMMING MODE and *prevents* re-entry by: Master Code + Code + 0.

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



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