FIRST ALERT FA2100C PROGRAMMING FORM

FIELD	FUNCTION		PROGRAMMED VALUES [] = Default	Value		
SYSTEM SETUP (*20-*27)						
*20	MASTER CODE		Enter 4 digits, 0-9 Note: Master code for installer usage only. Program user 2 code for system's principle user.			
*21	QUICK ARM ENABLE	†	[0] 0 = no, 1 = yes			
*23	FORCED BYPASS FUNCTION	†	[0] 0 = none, 1 = bypass open zones			
*27	OUTPUT TO LONG RANGE RADIO	†	[0] 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."			
MISC	ELLANEOUS OPTIONS (* 28- * 39)				
*28	SINGLE ALARM SOUNDING/ZONE	†	[0] 0 = no, 1 = yes			
*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: code + OFF entry); 2 = Smoke Detector Reset; 3 = Battery Save; 4 = Alarm (silenced by: code + #67 entry) **Note:* When function 1 or 4 is selected, program fields **85 and **86 to select zo which will trigger AUX RELAY. When function 1 is selected, program AUX RELAY timeout in field **31.	ones		
*35	AUXILIARY RELAY ARMING DING	†	[0] 0 = Disable, 1 = Enable If enabled, field *34 must also be set to 1.			
*36	ZONE 4 ALT TAMPER FUNCTION	†	[0] 0 = Disable 1 = Enable If enabled, program zone 4 for day trouble, night alarm or 24 hour audible response in field *56.			
*37	PS24 MOD AC/LOW BAT INTRFACE	†	[0] 0 = Disable, 1 = Enable If enabled, wire PS24 AC, LOW BAT outputs to J5 header, pins 8, 9.			
*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	AUDIBLE EXIT WARNING	†	[1] 0 = no; 1 = yes			
DIALER PROGRAMMING (*40-*50)			In fields *40, *41, *42, enter up to the number of digits shown. Do not fill unuse spaces. Enter 0-9; #+11 for '*'; #+12 for '#'; #+13 for a pause.	d		
*40	PABX ACCESS CODE		Enter up to 4 digits. If fewer than 4 digits entered, exit by pressing * (and press 4 entering next field). To clear entries from field, press *40*.	11, if		
*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 pres if entering next field). To clear entries from field, press *42*.	s 43,		

*43	SUBSCRIBER	R ACCT No.			
				C; #+13 for D; #+14 for E; [#+15 for F]. Enter * a is to be used. To clear entries from field, press *	
		Example		1 2 3 4	
			For Acct No. B234 , enter: #+11	#+11 2 3 4	
			For Acct No. 123 , enter: 1, , 2,	, 3, * 1 2 3 *	
*45	MAIN DIALEF	R PULSE/TONE	† [0] 0 = Pulse Dial; 1 = Tone Dial		
*46	REPORT FOR	RMAT	[0]		
			Also see field ★27. 0 = 3+1, 4+1 ADEMCO L/S STANDA	DD 6 or undefined 4.0 ADEMOO EVEDESS	
			1 = 3+1, 4+1 RADIONICS STANDAR	7 = ADEMCO CONTACT ID REPORTING	
			2 = 4+2 ADEMCO L/S STANDARD 3 = 4+2 RADIONICS STANDARD	8 = 3+1, 4+1 ADEMCO L/S EXPANDED 9 = 3+1, 4+1 RADIONICS EXPANDED	
*47	SPLIT/DUAL I	REPORTING	[0]		
			TO PRIMARY PHONE No. 0 = Disable (Backup report only)	TO SECONDARY PHONE No. N/A	
			1 = Alarms, Restore, Cancel	Other Reports	
			2 = All Reports except Open/Close, T 3 = Alarms, Restore, Cancel	All Reports	
			4 = All Reports except Open/Close, T 5 = All Reports (<i>Dual</i> I	est All Reports Reporting) All Reports	
*48	15 SEC DIALE	ER DELAY (BURG)	† [0]	, and topolis	
		, ,	0 = no; 1 = yes Must be set for	"0" for UL burglary installations.	
*49	PERIODIC TE	EST MESSAGE	† [1]		
			0 = none; 1 = 24 hrs; 2 = wkly; 3 *84. Must be a "1" for fire insta	s = mnthly. Enter Test Code in fields ★ 64 and llations.	
*50	SESCOA/RAD	DIONICS SELECT	† [0]		
			0 = Radionics (0-9, B-F reporting Select 0 for all other formats.	g); 1 = SE only reporting)	
			Select 0 for all other formats.		
*51	BELL ARMING	G DING	† [0]		
			$\overline{0}$ = no; 1 = yes		
† Entry	of a number other	er than one specified will o	give unpredictable results.		
	ASSIGNME	NTS/ALARM REPO	,		
ZONE	ASSIGNMEN ZONE PRO	NTS/ALARM REPOI	RT CODES (*56) (See explanation below table)	ALARM RRT CODE	
ZONE	E ASSIGNMEN ZONE PRO ZON	NTS/ALARM REPOI	RT CODES (*56)	ALARM RPT CODE (Hex) (RC)	
ZONE *56 ZONE No. (Zn	ZONE PRO ZONE PRO ZONE DES	NTS/ALARM REPOI DGRAMMING NE	RT CODES (*56) (See explanation below table) ZONE TYPE (ZT)		
ZONE *56 ZONE No. (Zn	ZONE PRO ZONE PRO ZONE DES	NTS/ALARM REPOI DGRAMMING NE SCRIPTION	RT CODES (*56) (See explanation below table) ZONE TYPE (ZT)		
ZONE *56 ZONE No. (Zn Zone 01 Zone 02 Zone 03	ZONE PROZONE ZONE PROZON DES Wire Wire Wire	NTS/ALARM REPOR DGRAMMING NE SCRIPTION ed Zone ed Zone ed Zone	RT CODES (*56) (See explanation below table) ZONE TYPE (ZT) [9] [9]		
ZONE *56 ZONE No. (Zn Zone 02 Zone 03 Zone 04	ZONE PROZON ZONE PROZON DES Wire Wire Wire Wire	NTS/ALARM REPORT DGRAMMING NE SCRIPTION and Zone and Zone and Zone and Zone and Zone and Zone	RT CODES (*56) (See explanation below table) ZONE TYPE (ZT) [9] [9] [9]		
ZONE *56 ZONE No. (Zn Zone 0:	ZONE PRC ZONE PRC ZONE Mire Wire Wire Wire Wire Wire Wire Wire Wire	NTS/ALARM REPORT DGRAMMING NE BCRIPTION Ed Zone	RT CODES (*56) (See explanation below table) ZONE TYPE (ZT) [9] [9] [9] [9] [9] [9]		
ZONE No. (Zn Zone 02 Zone 03 Zone 04 Zone 05 Zone 06 Zone 06 Zone 06	ZONE PROZONE ZONE PROZONE Wire Wire Wire Wire Wire Wire Bell	NTS/ALARM REPORT OGRAMMING NE SCRIPTION ed Zone	RT CODES (*56) (See explanation below table) ZONE TYPE (ZT)		
ZONE *56 ZONE No. (Zn Zone 02 Zone 02 Zone 04 Zone 05 Zone 06 Zone 07	ZONE PRO ZONE PRO ZONE Wire Wire Wire Wire Wire Wire Keyp	NTS/ALARM REPORDING DGRAMMING NE BCRIPTION Ded Zone Ded Z	RT CODES (*56) (See explanation below table) ZONE TYPE (ZT)		
ZONE No. (Zn Zone 02 Zone 03 Zone 04 Zone 05 Zone 06 Zone 07 Zone 07 Zone 08	ZONE PRC ZONE PRC ZONE Mire Wire Wire Wire Wire Key Key	NTS/ALARM REPORT DGRAMMING NE BCRIPTION ed Zone ad Zone ad Zone ad Zone by Zone by Zone by Zone con	RT CODES (*56) (See explanation below table) ZONE TYPE (ZT) [9] [9] [9] [9] [9] [19] [19] [10] [00]		
ZONE No. (Zn Zone 02 Zone 03 Zone 04 Zone 06 Zone 06 Zone 06 Zone 08 Zone 08 Zone 08 Zone 10	ASSIGNMEI ZONE PRO ZONE DES Wire Wire Wire Wire Wire Key Key Key Key	NTS/ALARM REPORT DGRAMMING NE BCRIPTION ed Zone ed Zone ed Zone ed Zone ed Zone ed Zone pad Panic (* &#, or B key pad Duress th Ground Supervision</th><th>RT CODES (*56) (See explanation below table) ZONE TYPE (ZT)</th><th></th><th></th></tr><tr><th>ZONE No. (Zn Zone 02 Zone 03 Zone 04 Zone 05 Zone 06 Zone 07 Zone 07 Zone 08</th><th>ASSIGNMENT ZONE PROZON DES VICE STATE STAT</th><th>NTS/ALARM REPORT DGRAMMING NE BCRIPTION ed Zone ad Zone ad Zone ad Zone by Zone by Zone by Zone con Zone con</th><th>RT CODES (*56) (See explanation below table) ZONE TYPE (ZT) 9 9 9 9 10 10 </th><th></th><th></th></tr><tr><th>ZONE *56 ZONE No. (Zn Zone 02 Zone 02 Zone 04 Zone 06 Zone 06 Zone 07 Zone 08 Zone 10 Zone 10</th><th>E ASSIGNMEI ZONE PRO ZONE DES Wire Wire Wire Wire Key Key Key Key Main Main Bac</th><th>NTS/ALARM REPORT OGRAMMING NE SCRIPTION ed Zone ad Zone supervision pad Panic (* &#, or B key pad Duress th Ground Supervision in Dialer Supervision</th><th>RT CODES (*56) (See explanation below table) ZONE TYPE (ZT)</th><th></th><th></th></tr><tr><th>ZONE No. (Zn Zone 02 Zone 03 Zone 04 Zone 05 Zone 06 Zone 06 Zone 07 Zone 07 Zone 11 Zone 11 Zone 12</th><th>E ASSIGNMEI ZONE PRO ZONE 1 Wire 2 Wire 3 Wire 4 Wire 5 Wire 6 Bell 7 Keyl 8 Keyl 1 Main 2 Bac 3 Aux</th><th>NTS/ALARM REPORTION DGRAMMING NE BCRIPTION Ded Zone Ded Z</th><th>RT CODES (*56) (See explanation below table) ZONE TYPE (ZT) [9] [9] [9] [9] [19] [19] [19] [19] [1</th><th>(Hex) (RC)</th><th></th></tr><tr><th>ZONE</th><th>ASSIGNMEI ZONE PRO ZONE DES Wire Wire Wire Wire Wire Key Key Key Key Key Key Key Key Key Ke</th><th>NTS/ALARM REPORTION OGRAMMING NE BCRIPTION OF ZONE OF</th><th>RT CODES (*56) (See explanation below table) ZONE TYPE (ZT) [9] [9] [9] [9] [19] [19] [19] [19] [1</th><th>(Hex) (RC)</th><th></th></tr><tr><th>ZONE No. (Zn Zone 02 Zone 02 Zone 03 Zone 04 Zone 05 Zone 11 Zone 12 Zone 13 Zone 15 Z</th><th>ASSIGNMEI ZONE PRO ZONE DES Wire Wire Wire Wire Wire Key Key Key Key Key Key Key Key Key Ke</th><th>NTS/ALARM REPORTION DGRAMMING NE SCRIPTION Ded Zone Ded Z</th><th>RT CODES (*56) (See explanation below table) ZONE TYPE (ZT) [9] [9] [9] [9] [19] [19] [19] [19] [1</th><th>(Hex) (RC)</th><th></th></tr><tr><th>ZONE No. (Zn Zone 02 Zone 03 Zone 04 Zone 05 Zone 06 Zone 06 Zone 10 Zone 11 Zone 12 Zone 13 Zone 98 Zone 96</th><th>ASSIGNMEI ZONE PRO ZONE DES Wire Wire Wire Wire Wire Key Key Key Key Key Key Key Key Key Ke</th><th>NTS/ALARM REPORDING OGRAMMING NE SCRIPTION ed Zone had Panic (* &#, or B key pad Duress eth Ground Supervision en Dialer Supervision k-up Dialer Supervision k-up Dialer Supervision iliary Relay Disable pad Emergency (1&*, or pad Emergency (3&#, or pad Emergency (3&#, or pad Emergency (3&#, or pad Emergency (10) IN THE AB Wired Zones 01-</th><th>RT CODES (*56) (See explanation below table) ZONE TYPE (ZT) 9 9 9 9 10 Ckey) 00 OVE ZONE ASSIGNM</th><th>(Hex) (RC)</th><th>ay be</th></tr><tr><th>ZONE *56 ZONE No. (Zn Zone 02 Zone 03 Zone 04 Zone 05 Zone 06 Zone 07 Zone 10 Zone 11 Zone 12 Zone 13 Zone 96 Zone 96</th><th>ASSIGNMEI ZONE PRO ZONE DES Wire Wire Wire Wire Key Key Key Key Key Key Key Key Key Ke</th><th>NTS/ALARM REPORTION OGRAMMING NE SCRIPTION OF ZONE OF</th><th>RT CODES (*56) (See explanation below table) ZONE TYPE (ZT) [9] [9] [9] [9] [9] [19] [19] [19] [19</th><th>(Hex) (RC) (Hex) (RC) (Hex)</th><th>-</th></tr><tr><th>ZONE *56 ZONE No. (Zn Zone 02 Zone 03 Zone 04 Zone 05 Zone 06 Zone 07 Zone 10 Zone 11 Zone 12 Zone 13 Zone 96 Zone 96</th><th>E ASSIGNMEI ZONE PRO ZONE 1 Wire 2 Wire 3 Wire 4 Wire 5 Wire 6 Bell 7 Key 1 Main 2 Bac 3 Aux 5 Key 6 Key 6 Key 7 Key 8 Key 9 Key 1 Main 1 Main 2 Bac 8 Key 9 Key 1 Key 1 Key 1 Key 1 Key 1 Key 1 Key 2 Key 3 Key 4 Wire 5 Wire 6 Key 7 Key 8 Key 9 Key 1 Main 1 Main 2 Bac 8 Key 9 Key 1 Main 2 Bac 8 Key 9 Key 1 Key 1 Key 1 Key</th><th>NTS/ALARM REPORTION OGRAMMING NE SCRIPTION OF ZONE OF</th><th>RT CODES (*56) (See explanation below table) ZONE TYPE (ZT) 9 9 9 9 9 10 10 2 3 4 5 6 6 7 7 8 9 10 10 9 </th><th>(Hex) (RC)</th><th>ES</th></tr></tbody></table>			

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] ZONE TYPE 18 DELAY ENABLE ***57** [1] 0 = Disable Delay (ignore delay programmed in field *78) 1 = Enable Delay (use delay programmed in field *78) (default) SYSTEM STATUS REPORT CODES (*58-*68) **⊁58** SUPERVISORY 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, ***59** SUPERVISORY RESTORE 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. REPORT CODE A "0" (not "#+10") in the first box will disable a report. ***60** TROUBLE REPORT CODE 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. ***61** BYPASS REPORT CODE A "0" (not "#+10") in the second box will eliminate the expanded ***62** AC LOSS REPORT CODE 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 ***63** LOW BATTERY REPORT CODE ignored). ***64** NORMAL DIALER TEST A "0" (not "#+10") in the first box will disable the report. REPORT CODE For Code 3 (Single Digit), enter 3 0 Examples: 3 2 For Code 32 (Two Digits), enter For Code B2 (Hexadecimal) enter #+11 2 ***65** OPEN/EXIT ALARM REPORT CODE 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 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 **RESTORE REPORT CODES (*69-*74) GROUP RESTORES for TROUBLE *69** [0] & BYPASS: 0 = one report for each zone restore. 1 = common report after zones 1-6, 10-12 have Note: "1" not applicable to Contact ID reporting. Must be "0" for fire and U.L. burglary installations. ALARM RESTORE REPORT CODE ***70** 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 AC RESTORE REPORT CODE ***73** LOW BAT RESTORE REPORT CODE MISCELLANEOUS OPTIONS(*76-*92) ***76** WATERFLOW ALARM SILENCING $\overline{0}$ = 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.

Note: Zones programmed for fire alarm response (types 09, 16, 17) must be programmed to trigger

Note: California state Fire Marshall does not permit use of response type 16 (fire alarm with

the bell in fields *85 and *86.

*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	
		Zone type 18 delay must be entered in field *57. Combined sensor and program field *78 delay cannot exceed 90 seconds.	
⊁79	MAIN/BACKUP DIALER ENABLE	M B	
		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 instructions.	
⊁84	MISCELLANEOUS REPORT CODES	FIRE/BURG WALK FIRE/BURG WALK OFF-NORM DIALER TEST	
⊁ 85	ZONES 1-7 BELL & AUX RELAY	Enter 2 hex digits for each (see box above *58).	
. 00	ACTIVATION Zone:	1 2 3 4 5 6 7	
	Default:	[1] [1] [1] [1] [0] [0] 0 = none; 1 = bell; 2 = aux relay; 3 = bell & aux relay	
*86	ZONES 10-12, 95 & 96 BELL &	0 *	
	AUX RELAY ACTIVATION Zone:	10 11 12 95 96	
	Default:	[0] [0] [0] [0] [0] 0] 0 = none; 1 = bell; 2 = aux relay; 3 = bell & aux relay	
		* You must enter 0 in this box.	
⊁87	BURGLARY FEATURE ENABLE	[1]	
		0 = disabled; 1 = enabled Enables the keypad AWAY, STAY, MAX, TEST, INSTANT & CHIME functions.	
⊁92	REPORTS PER ARMED PERIOD	[1]	
		0 = one alarm report + one alarm restore report per zone while armed, 1 = unlimited reports	
DOWN	ILOAD 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	
		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	[0]	
	DOWNLOADING	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 , SUBSCRII	BER ACCOUNT No. FOR INITIAL DOWNLOAD: No entry required.	
⊁97	SETS ALL PROGRAM FIELDS TO DEFA No entry required.	· · · · · · · · · · · · · · · · · · ·	
TO EX	IT PROGRAM MODE (*98 or *99)		
Press ⋆	98 or ⊁99 if exiting programming, or next field nu	mber if continuing.	
⊁98	EXITS PROGRAMMING MODE and <i>prevents</i> re-entry by: Master Code + Code + 0.		
⊁99	EXITS PROGRAMMING MODE and allows re-entry by: Master Code + Code + 0 or by: Power-up + * + #.		

*ADEMCO

ALARM DEVICE MANUFACTURING CO.
A DIVISION OF PITTWAY CORP.
165 EILEEN WAY, SYOSSET, NY 11791
COPYRIGHT © 1995 PITTWAY CORPORATION