First Alert   FA150C PROGRAMMING FORM

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

SYSTEM ARMING (*20-*25)

*20 INSTALLER CODE ☐☐☐☐ Enter 4 digits, 0-9...[4] [1] [1] [1]

*21 QUICK ARM ENABLE † ☐ Partition 1; ☐ Partition 2   [0 = no]; 1 = yes

*22 RF SYSTEM TYPE ☐ [0 = none]; 1 = 5700 (4281); 2 = 5800 (5881)

*23 FORCED BYPASS FUNCTION † ☐ Partition 1; ☐ Partition 2 [0 = none]; 1 = bypass open zones; 2 = bypass open zones + (if in system) zones 17, 30, 31, 46, 47.

*24 RF HOUSE ID CODE [0][0] ☐☐ MUST enter (01-31) for 5700 System; Enter also for 5827 keypad. *For 5827 only:* Part'n 2 RF House Code = Entered (Part'n 1) Code + 1

*25 WIRED EXPANSION IN USE † ☐ [0 = none]; 1 = 4219; 2 = 4229; 3 = 4204

ZONE SOUNDS AND TIMING (*28-*39)

*28 SINGLE ALARM SOUNDING/ZONE † ☐ [0 = no]; 1 = yes

*29 FIRE TIMEOUT DISABLE † ☐ [0 = no]; 1 = yes

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

*38 ENTRY DELAY † ☐ Part'n 1; ☐ Part'n 2   0 = 0 sec ; 1= 20 sec; [2 = 30 sec]; 3 = 45 sec EXIT Delay = ENTRY Delay + 15 sec

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

DIALER PROGRAMMING (*40-*48)

*40 PABX ACCESS CODE ☐☐☐☐ Enter 4 digits, 0-9. 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, 0-9. Do not fill unused spaces. 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, 0-9. Do not fill unused spaces. If fewer than 12 digits entered, exit by pressing * (and press 43, if entering next field). To clear entries from field, press *42*.

*43 PART'N 1 SUBSCRIBER ACCT No. ☐☐☐☐

*44 PART'N 2 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* or *44*.

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 | * |

*45 PHONE SYSTEM SELECT † ☐ 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 REPORT FORMAT ☐

[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 REPORTING
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 = Disable (Backup report only)]

	TO PRIMARY	TO SECONDARY
1 =	Alarms, Restore, Cancel	Others
2 =	All except Open/Close, Test	Open/Close, Test
3 =	Alarms, Restore, Cancel	All
4 =	All except Open/Close, Test	All
5 =	All	All

*48 15 SEC DIALER DELAY (BURG) † ☐ [0 = no]; 1 = yes

*49 PERIODIC TEST MESSAGE † ☐ [0 = none]; 1 = 24 hours; 2 = weekly (enter Test Code in field *64)

*50 SESCOA/RADIONICS SELECT † ☐ [0 = Radionics (0-9, B-F reporting)]; 1 = SESCOA (0-9 only reporting) Select 0 for all other formats.

*51 CONFIRMATION OF ARMING DING † ☐ Partition 1; ☐ Partition 2   [0 = no]; 1 = yes

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

ZONE DESCRIPTION	ZONE No. (Zn)	ZONE TYPE (ZT)	PART'N No. (P)	ALARM RPT CODE (Hex) (RC)	INPUT DEVICE (In)	RF SUB ZONE (L)
ZONES ON CONTROL:						
Wired Zone 1	0 1	☐ ☐	☐	☐ ☐ ☐ ☐	HW	—
Wired Zone 2	0 2	☐ ☐	☐	☐ ☐ ☐ ☐	HW	—
Wired Zone 3	0 3	☐ ☐	☐	☐ ☐ ☐ ☐	HW	—
Wired Zone 4	0 4	☐ ☐	☐	☐ ☐ ☐ ☐	HW	—
Wired Zone 5	0 5	☐ ☐	☐	☐ ☐ ☐ ☐	HW	—
Wired Zone 6	0 6	☐ ☐	☐	☐ ☐ ☐ ☐	HW	—
Console Panic (Key B, or ✳ & #)	0 7	☐ ☐	Both	☐ ☐ ☐ ☐	—	—
Duress	0 8	— —	Both	☐ ☐ ☐ ☐	—	—
Tamper	0 9	0 5	Both	☐ ☐ ☐ ☐	—	—
Console Panic (Key A, or 1 & ✳)	9 5	☐ ☐	Both	☐ ☐ ☐ ☐	—	—
Console Panic (Key C, or 3 & #)	9 6	☐ ☐	Both	☐ ☐ ☐ ☐	—	—

EXPANSION ZONES: Assign Zone Numbers (Zn) 10–17 to 4219/4229 Auxiliary Wired Loops A–H, if used.
RF can use (Zn) 10-63 if 4219/4229 IS NOT used, (Zn) 18-63 if 4219/4229 IS used

ENTER FOR ↓ 5800 ONLY ↓

ZONE DESCRIPTION	ZONE No. (Zn)	ZONE TYPE (ZT)	PART'N No. (P)	ALARM RPT CODE (Hex) (RC)	INPUT DEVICE (In)	RF SUB ZONE (L)
4219/4229 Loop A, 1st Exp'n Zone	☐ ☐	☐ ☐	☐	☐ ☐ ☐ ☐	☐	☐
B, 2nd	☐ ☐	☐ ☐	☐	☐ ☐ ☐ ☐	☐	☐
C, 3rd	☐ ☐	☐ ☐	☐	☐ ☐ ☐ ☐	☐	☐
D, 4th	☐ ☐	☐ ☐	☐	☐ ☐ ☐ ☐	☐	☐
E, 5th	☐ ☐	☐ ☐	☐	☐ ☐ ☐ ☐	☐	☐
F, 6th	☐ ☐	☐ ☐	☐	☐ ☐ ☐ ☐	☐	☐
G, 7th	☐ ☐	☐ ☐	☐	☐ ☐ ☐ ☐	☐	☐
H, 8th	☐ ☐	☐ ☐	☐	☐ ☐ ☐ ☐	☐	☐
9th	☐ ☐	☐ ☐	☐	☐ ☐ ☐ ☐	☐	☐
10th	☐ ☐	☐ ☐	☐	☐ ☐ ☐ ☐	☐	☐
11th	☐ ☐	☐ ☐	☐	☐ ☐ ☐ ☐	☐	☐
12th	☐ ☐	☐ ☐	☐	☐ ☐ ☐ ☐	☐	☐
13th	☐ ☐	☐ ☐	☐	☐ ☐ ☐ ☐	☐	☐
14th	☐ ☐	☐ ☐	☐	☐ ☐ ☐ ☐	☐	☐
15th	☐ ☐	☐ ☐	☐	☐ ☐ ☐ ☐	☐	☐
16th	☐ ☐	☐ ☐	☐	☐ ☐ ☐ ☐	☐	☐
17th	☐ ☐	☐ ☐	☐	☐ ☐ ☐ ☐	☐	☐
18th	☐ ☐	☐ ☐	☐	☐ ☐ ☐ ☐	☐	☐
19th	☐ ☐	☐ ☐	☐	☐ ☐ ☐ ☐	☐	☐
20th	☐ ☐	☐ ☐	☐	☐ ☐ ☐ ☐	☐	☐
21st	☐ ☐	☐ ☐	☐	☐ ☐ ☐ ☐	☐	☐
22nd	☐ ☐	☐ ☐	☐	☐ ☐ ☐ ☐	☐	☐
23rd	☐ ☐	☐ ☐	☐	☐ ☐ ☐ ☐	☐	☐
24th	☐ ☐	☐ ☐	☐	☐ ☐ ☐ ☐	☐	☐
25th	☐ ☐	☐ ☐	☐	☐ ☐ ☐ ☐	☐	☐
26th	☐ ☐	☐ ☐	☐	☐ ☐ ☐ ☐	☐	☐
27th	☐ ☐	☐ ☐	☐	☐ ☐ ☐ ☐	☐	☐
28th	☐ ☐	☐ ☐	☐	☐ ☐ ☐ ☐	☐	☐
29th	☐ ☐	☐ ☐	☐	☐ ☐ ☐ ☐	☐	☐
30th	☐ ☐	☐ ☐	☐	☐ ☐ ☐ ☐	☐	☐

IN THE FOREGOING ZONE ASSIGNMENT TABLE:

Zn = ZONE NUMBER   Zone Nos. are from 01 to 63, 95, 96. Some are pre-assigned.
With Field *25 set for auxiliary wired loops (4219 or 4229), use Zone Nos. 10–17 for loops A-H.
With Field *22 set for RF (5700 or 5800), use Zone Nos. 18-63 if 4219/4229 is ALSO used,
or 10-63 if 4219/4229 is NOT used.

ZT = ZONE TYPE

00 = Not Used	05 = Trouble Day/Alarm Night	10 = Interior w/Delay
01 = Entry/Exit	06 = 24 Hr Silent	20 = Arm–Stay
02 = Not Used	07 = 24 Hr Audible	21 = Arm–Away
03 = Perimeter	08 = 24 Hr Aux	22 = Disarm
04 = Interior Follower	09 = Fire	23 = No Alarm Response

DEFAULT VALUES

Zn:	01	02	03	04
ZT:	[01]	[04]	[03]	[03]
Zn:	05	06	07	
ZT:	[09]	[07]	[06]	

P = PARTITION No.   1 or 2   Default Values for zones 01 - 06 = [1].

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 "0" is entered in the first box, there will be no report for that zone.

For contact ID reporting, this is enabling code only. Enter any digit (other than 0) in the first box.
The second box is ignored.

In = LOOP INPUT DEVICE

HW: Hard Wire	Enter 3 for RF: Supervised RF
AW: Aux Wire (4219 or 4229)	Enter 4 for UR: Unsupervised RF
	Enter 5 for BR: Button Type RF

These are automatically assigned, except "UR" and "BR" for 5800 RF.

L = LOOP SUB ZONE used with self-learning (5800) RF Loop Input Devices. Record transmitter input number.

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 *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: [3] [0]

For Code 32 (Two Digits), enter: [3] [2]

For Code B2 (Hexadecimal) enter: [#+11] [2]

SYS STATUS RPT 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	Partition 1	☐	††
		Partition 2	☐	††
*66	CLOSE REPORT CODE	Partition 1	☐	††
		Partition 2	☐	††

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

*67	RF XMTR LOW BAT RPT CODE	☐	☐
*68	CANCEL REPORT CODE	☐	☐

RESTORE RPT CODES (*69-*75)

*69	GROUP RESTORES for TROUBLE, RF LOW BAT, BYPASS: [0 = no (report for each restore)], 1 = yes (report after all zones restored)	☐

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

▼: Reports with Partition 1 Subscriber No.

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*70	ALARM RESTORE RPT 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 RPT CODE		☐ ☐
*72	BYPASS RESTORE RPT CODE		☐ ☐
*73	AC RESTORE RPT CODE	▼	☐ ☐
*74	LOW BAT RESTORE RPT CODE	▼	☐ ☐
*75	RF XMTR LO BAT RST RPT CODE		☐ ☐

*80	OUTPUT RELAYS	*Program only if Relays are to be used. See next page.*
*81	ZONE LISTS FOR OUTPUT RELAYS	

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

*83   ADD/DELETE 5800 SERIAL Nos.: (Also can be accomplished from field *56): *See procedure in instructions, under field *56.*

*91   CUSTOM OPTION SELECTION *(See field *98)*   ☐

[0 = None selected]	4 = AAV (Audio	6 = Sounder delay
1 = Local lockout	Alarm Veri-	+ AAV
2 = Sounder delay	fication)	7 = Local lockout
3 = Local lockout	5= Local lockout	+ Sounder delay
+ Sounder delay	+ AAV	+ AAV

DOWNLOAD INFO (*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). To clear entries from field, press *94*.

*95   RING DET COUNT FOR 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 , 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 (or, if Local lockout has been chosen in field *91, *allows* re-entry *only* by): Installer Code + Code + 0.

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

OUTPUT RELAYS (*80, *81) *Applicable only if relays are to be used.*

*80 OUTPUT RELAYS

Notes: 1. Field *25 must be programmed for a 4229 (Relays 01 and 02) or a 4204 (Relays 01 to 04).

2. If an AAV (Audio Alarm Verification) option is selected in field *91, Relay 01 should *not* be programmed here.

3. Tampers of contacts or expansion units cannot be used to operate relays.

OUTPUT RELAY	RELAY ACTION (A)	START ← either or both →				STOP ← either or both →		
		EVENT (EV)	ZONE LIST (ZL)	ZONE TYPE /SYST OP'N (ZT)	PART'N No. (P)	*RESTORE of* ZONE LIST (ZL)	ZONE TYPE /SYST OP'N (ZT)	PART'N No. (P)
0 1 SEE NOTE 2 ABOVE	☐	☐	☐	☐☐	☐	☐	☐☐	☐
0 2	☐	☐	☐	☐☐	☐	☐	☐☐	☐
0 3	☐	☐	☐	☐☐	☐	☐	☐☐	☐
0 4	☐	☐	☐	☐☐	☐	☐	☐☐	☐

Where:　**A = RELAY ACTION**　0 = No Response; 1 = Close for 2 sec; 2 = Close and stay closed; 3 = Pulse on and off

EV = EVENT　0 = Not used; 1 = Alarm; 2 = Fault; 3 = Trouble

ZL = ZONE LIST　1, 2, or 3 (from Field *81) or 0 = Not Used.

"START" ZONE LIST : Upon alarm, fault, or trouble of ANY zone on this list, relay action will START.

"STOP" *RESTORE of* ZONE LIST: Upon restore of ALL zones on this list, relay action will STOP. It need not be same list as used for START.

ZT = ZONE TYPE/SYSTEM OPERATION

Choices for Zone Types are:

00 = No Response (Not Used)	06 = 24 Hr Silent
01 = Entry/Exit	07 = 24 Hr Audible
03 = Perimeter	08 = 24 Hr Aux
04 = Interior Follower	09 = Fire
05 = Trouble Day/Alarm Night	10 = Interior w/Delay

Note: *Any* zone in "ZT" going into alarm, fault, or trouble will actuate relay. *Any* zone of that type that restores will stop relay action.

Choices for System Operation are:

20 = Arming–Stay	33 = Any Burglary Alarm	38 = Chime
21 = Arming–Away	34 = Code + # + 7 Key Entry	39 = Any Fire Alarm
22 = Disarming (Code + OFF)	35 = Code + # + 8 Key Entry	40 = Bypassing
31 = End of Exit Time	36 = **At Bell Timeout***	41 = **AC Power Failure
32 = Start of Entry Time	37 = **2 times Bell Timeout***	42 = **System Battery Low

**Use 0 (Any) for Partition No. (P) entry.

***Or at Disarming, whichever occurs earlier.

P = PARTITION No.　1; 2; or 0 = Any

*81 ZONE LISTS FOR OUTPUT RELAYS　　Any list may include any or all of system's zone numbers.

Zone List 1: Started or stopped by zone numbers (enter 00 to end entries).

☐☐, ☐☐, ☐☐, ☐☐, ☐☐, ☐☐, ☐☐, ☐☐, ☐☐, ☐☐ ...etc.

Zone List 2: Started or stopped by zone numbers (enter 00 to end entries).

☐☐, ☐☐, ☐☐, ☐☐, ☐☐, ☐☐, ☐☐, ☐☐, ☐☐, ☐☐ ...etc.

Zone List 3: Started or stopped by zone numbers (enter 00 to end entries).

☐☐, ☐☐, ☐☐, ☐☐, ☐☐, ☐☐, ☐☐, ☐☐, ☐☐, ☐☐ ...etc.