FA150C-1 PROGRAMMING FORM

Local programming requires the use of a 2-line Alpha keypad connected to partition 1 keypad terminals on the control.

Field	Function	Programmed Values	[ ] = Default Value

SYSTEM ARMING (*20-*25)

*20 INSTALLER CODE　　　`4` `1` `1` `1`　　Enter 4 digits, 0-9 [4111]

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

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

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

*24 RF HOUSE ID CODE　　`0` `0`　　[0][0] Enter 01 - 31 for 5700 system, or if using 5827 keypad.
　　*For 5827 only:*Partition 2 RF House Code = Entered (Partition 1) Code + 1

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

ZONE SOUNDS AND TIMING (*28 - * 39)

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

*29 FIRE TIMEOUT DISABLE　　† `1`　　[0 = timeout]; 1 = no timeout.

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

*38 ENTRY DELAY　　Partition 1 † `2`　　Partition 2 † `2`　　0 = 0 sec; 1 = 20 sec; [2 = 30 sec]; 3 = 45 seconds.
　　Exit Delay = Entry Delay + 15 seconds

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

DIALER PROGRAMMING (*40 - *48)

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 4 digits. If fewer than 4 digits are entered, exit by

*41 PRIMARY PHONE NUMBER　　☐☐☐☐☐☐☐☐☐☐☐☐　　Enter up to 12 digits.
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 NUMBER　　☐☐☐☐☐☐☐☐☐☐☐☐　　Enter up to 12 digits.
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 PARTITION 1 SUBSCRIBER ACCT #　　☐☐☐☐

*44 PARTITION 2 SUBSCRIBER ACCT #　　☐☐☐☐　　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　　† `3`　　If Central Station *IS NOT* on a WATS line:　[0 = Pulse Dial];　1 = Tone Dial
　　If Central Station *IS* on a WATS line:　　2 = Pulse Dial;　3 = Tone Dial

*46 REPORT FORMAT　　`7`

[0 = 3+1,4+1 ADEMCO L/S STANDARD]	6 or undefined = 4+2 ADEMCO EXPRESS
1 = 3+1, 4+1 RADIONCS 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`　　[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 SECOND DIALER DELAY (BURG)　　† `0`　　[0 = no]; 1 = yes.

*49 PERIODIC TEST REPORT　　† `0`　　[0 = none]; 1 = 24 hours; 2 = weekly.
　　(Enter Test Code in field *64. Reports with Partition 1 subscriber No.)

*50 SESCOA/RADIONICS SELECT　　`0`　　[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 † `0`　　Partition 2 † `0`　　[0 = no]; 1 = yes.

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

EXPLANATION OF ZONE ASSIGNMENT TABLE HEADINGS

Zn = ZONE NUMBER Zone Nos. are from 01 to 63, 92, 95, 96, 99. 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	20 = Arm-Stay
01 = Entry/Exit	06 = 24 Hr Silent	21 = Arm-Away
02 = Not Used	07 = 24 Hr Audible	22 = Disarm
03 = Perimeter	08 = 24 Hr Aux	23 = No Alarm Response
04 = Interior Follower	09 = Fire	
	10 = Interior w/Delay	

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

P = PARTITION NUMBER 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 "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. Enter any Hex digit (other than "0") in the first box.
The second box will be ignored.

In = LOOP INPUT DEVICE HW: Hard Wire   Enter 3 for RF: Supervised RF   These are automatically
AW: Aux Wire (4219 or 4229)   Enter 4 for UR: Unsupervised RF   assigned, except "UR"
                              Enter 5 for BR: Button Type RF   and "BR" for 5800 RF.

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

*56   ZONE ASSIGNMENT/ALARM REPORT CODES

ZONES ON CONTROL:

ZONE DESCRIPTION	ZONE NUMBER (Zn)	ZONE TYPE (ZT)	PARTITION NUMBER (P)	ALARM RPT CODE (Hex) (RC)	INPUT TYPE (In)
	0 1	0 1 [1]	1 [1]	0 1 - - [00]	HW
	0 2	0 4 [4]	1 [1]	0 2 - - [00]	HW
	0 3	0 3 [3]	1 [1]	0 3 - - [00]	HW
	0 4	0 3 [3]	1 [1]	0 4 - - [00]	HW
	0 5	0 9 [9]	1 [1]	0 5 - - [00]	HW
	0 6	0 3 [7]	1 [1]	0 6 - - [00]	HW
* #, B	0 7	0 7 [6]	Both	0 7 - - [00]	--
Duress -- --	0 8		Both	0 0 - - [00]	--
Tamper 0 5	0 9		Both	0 8 - - [00]	--
1 *, A	9 5	0 9 [0]	Both	0 9 - - [00]	--
3 #, C	9 6	0 8 [0]	Both	0 1 - - [00]	--

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. All expansion zone information defaults to [0].

ENTER FOR RF ONLY

ZONE DESCRIPTION	EXP'N ZONE	ZONE NUMBER (Zn)	ZONE TYPE (ZT)	PARTITION NUMBER (P)	ALARM RPT CODE (Hex) (RC)	INPUT TYPE (In)	LOOP NUMBER (L)	SERIAL NUMBER
	1st Exp'n Zone	0 0	--	--	--	--	--	--
	2nd	0 0	--	--	--	--	--	--
	3rd	0 0	--	--	--	--	--	--
	4th	0 0	--	--	--	--	--	--
	5th	0 0	--	--	--	--	--	--
	6th	0 0	--	--	--	--	--	--
	7th	0 0	--	--	--	--	--	--
	8th	0 0	--	--	--	--	--	--
	9th	0 0	--	--	--	--	--	--
	10th	0 0	--	--	--	--	--	--
	11th	0 0	--	--	--	--	--	--
	12th	0 0	--	--	--	--	--	--
	13th	0 0	--	--	--	--	--	--
	14th	0 0	--	--	--	--	--	--
	15th	0 0	--	--	--	--	--	--
	16th	0 0	--	--	--	--	--	--
	17th	0 0	--	--	--	--	--	--
	18th	0 0	--	--	--	--	--	--
	19th	0 0	--	--	--	--	--	--
	20th	0 0	--	--	--	--	--	--
	21st	0 0	--	--	--	--	--	--
	22nd	0 0	--	--	--	--	--	--
	23rd	0 0	--	--	--	--	--	--
	24th	0 0	--	--	--	--	--	--
	25th	0 0	--	--	--	--	--	--
	26th	0 0	--	--	--	--	--	--
	27th	0 0	--	--	--	--	--	--
	28th	0 0	--	--	--	--	--	--
	29th	0 0	--	--	--	--	--	--
	30th	0 0	--	--	--	--	--	--

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Examples: For Code **3** (Single Digit), enter: | 3 | 0 |

For Code **32** (Two Digits), enter: | 3 | 2 |

For Code **B2** (Hexadecimal), enter: | #+11 | 2 |

SYSTEM STATUS REPORT CODES (*60-*68)

*60 TROUBLE REPORT CODE [00] | 1 | 0 |

*61 BYPASS REPORT CODE [00] | 0 | 0 |

*62 AC LOSS REPORT CODE [00] ▼ | 2 | 0 |

*63 LOW BATTERY REPORT CODE [00] ▼ | 0 | 0 |

*64 TEST REPORT CODE [00] ▼ | 0 | 0 |

*65 OPEN REPORT CODE [0] Partition 1 | 0 |††
                                Partition 2 | 0 |††

*66 CLOSE REPORT CODE [0,0]
                             Partition 1 | 0 |††
                             Partition 2 | 0 |††

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

*67 RF TRANSMITTER LOW BATTERY REPORT CODE [00] | 0 | 0 |

*68 CANCEL REPORT CODE [00] | 3 | 0 |

RESTORE REPORT CODES (*69-*76)

*69 GROUP RESTORES FOR TROUBLE, RF LOW BATTERY, 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 [0] | 0 |
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 [00] | 0 | 0 |

*72 BYPASS RESTORE REPORT CODE [00] | 0 | 0 |

▼ Reports with Partition 1 Subscriber Number

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*73 AC RESTORE REPORT CODE [00] ▼ | 0 | 0 |

*74 LOW BATTERY RESTORE REPORT CODE [00] ▼ | 0 | 0 |

*75 RF TRANSMITTER LOW BATTERY RESTORE REPORT CODE [00] | 0 | 0 |

*80 OUTPUT RELAYS

*81 ZONE LISTS FOR OUTPUT DEVICES

| *Program only if Relays are to be used. See next page.* |

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

*83 ADD/DELETE 5800 SERIAL NUMBERS (Also entered from field *56): *See procedure in instructions.*

*91 CUSTOM OPTION SELECTION *(See field *98)* | 0 |

[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 INFORMATION (*94, *95)

*94 **DOWNLOAD PHONE No.**

| 1 | 8 | 0 | 0 | 6 | 8 | 2 | 1 | 6 | 9 | 0 | |

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** | 1 | 5 |
O=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)
Note: Do not enter "0" if using 4285 Voice Module.

*96 INITIALIZES DOWNLOAD ID, SUBSCRIBER ACCOUNT No. FOR INITIAL DOWNLOAD:
No data entry required.

*97 SETS ALL PROGRAM FIELDS TO DEFAULT VALUES:
No data entry required.

*98 EXITS PROGRAMMING MODE and *prevents* re-entry by (or, if Local Lockout has been chosen in fiels *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 WORKSHEET FOR *80, and *81.
Applicable only if Relays are to be used.

***80** OUTPUT RELAYS -   This is an interactive menu mode. Fill in the required data on the worksheet on below and follow the programming procedure in the installation manual as you enter the data during the displays and prompts that appear in sequence.

Notes:
1. Field *25 must be programmed for a 4229 (Relays 01 and 02), OR for a 4204 (Relays 01 to 04).
2. If an AAV (Audio Alarm Verification) option is selected in field *91, Relay 01 should not be proggrammed here.
3. Tampers of contacts or expansion units cannot be used to operate relays.

OUTPUT 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)
01 SEE NOTE 2 ABOVE	0	0	0	0 0	0	0	0 0	0
02	0	0	0	0 0	0	0	0 0	0
03	0	0	0	0 0	0	0	0 0	0
04	0	0	0	0 0	0	0	0 0	0

Where:

A = DEVICE 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

P = PARTITION No. 1, 2, or 0 for Any

***81** **ZONE LISTS FOR OUTPUT DEVICES**

Note: Record desired zone numbers below. More or fewer bowes than shown may be needed, since 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.