

Ademco via 30 PROGRAMMING FORM

FIELD FUNCTION

PROGRAMMED VALUES

[] = Default Value

SYSTEM ARMING (*20-*25)

- *20 MASTER CODE Enter 4 digits, 0-9...[4] [1] [1] [1]
- *21 QUICK ARM ENABLE † ☐ [0 = no]; 1 = yes
- *22 RF SYSTEM TYPE ☐ [0 = none]; 1 = 5700 (4281); 2 = 5800 (5881)
- *23 FORCED BYPASS FUNCTION † ☐ [0 = none]; 1 = bypass open zones
- *24 RF HOUSE ID CODE [0][0] MUST enter (01-31) for 5700 System; Enter also for 5827 keypad.
- *25 WIRED EXPANSION/RELAY USED † ☐ [0 = none]; 1 = 4219; 2 = 4229; 3 = 4204

ZONE SOUNDS AND TIMING (*28-*38)

- *28 SINGLE ALARM SOUNDING/ZONE † ☐ [0 = no]; 1 = yes
- *29 FIRE SOUNDER TIMEOUT DISABLE † ☐ [0 = no]; 1 = yes
- *30 ALARM BELL TIMEOUT † ☐ 0 = none; [1 = 4 min]; 2 = 8 min; 3 = 12 min
- *38 ENTRY DELAY † ☐ 0 = 0 sec ; 1 = 20 sec; [2 = 30 sec]; 3 = 45 sec
EXIT Delay = ENTRY Delay + 15 sec

DIALER PROGRAMMING (*40-*50)

- *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 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*.

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)]
- | <u>TO PRIMARY</u> | <u>TO SECONDARY</u> |
|---------------------------------|---------------------|
| 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 † ☐ [0 = no]; 1 = yes

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

ZONE DESCRIPTION	ZONE No. (Zn)	ZONE TYPE (ZT)	ALARM RPT CODE (Hex) (RC)	INPUT DEVICE (In)	LEARNED RF INPUT (L)
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ZONES ON CONTROL:

Zones 1-4 are not present

Wired Zone 5	0 5			HW	—
Wired Zone 6	0 6			HW	—
Console Panic (* & #)	0 7			—	—
Duress	0 8	— —		—	—
Tamper	0 9	0 5		—	—
Console Panic (1 & *)	9 5			—	—
Console Panic (3 & #)	9 6			—	—

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

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 PREVIOUS PAGE'S ZONE ASSIGNMENT TABLE :

Zn = ZONE NUMBER Zone Nos. are from 05 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: 05	06	07	95	96
ZT: [09]	[07]	[06]	[00]	[00]

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

AW: Aux Wire (4219 or 4229)

Enter 3 for RF: Supervised RF

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 = LEARNED RF INPUT 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:

For Code 32 (Two Digits), enter:

For Code B2 (Hexadecimal) enter:

SYSTEM STATUS REPORT CODES (*60-*68)

*60	TROUBLE REPORT CODE	<input type="text"/>	<input type="text"/>
*61	BYPASS REPORT CODE	<input type="text"/>	<input type="text"/>
*62	AC LOSS REPORT CODE	<input type="text"/>	<input type="text"/>
*63	LOW BATTERY REPORT CODE	<input type="text"/>	<input type="text"/>
*64	TEST REPORT CODE	<input type="text"/>	<input type="text"/>
*65	OPEN REPORT CODE	<input type="text"/>	††
*66	CLOSE REPORT CODE	<input type="text"/>	††
†† 2nd digit is automatically sent as the user number if expanded or 4+2 reporting is selected.			
*67	RF XMTR LOW BAT REPORT CODE	<input type="text"/>	<input type="text"/>
*68	CANCEL REPORT CODE	<input type="text"/>	<input type="text"/>

RESTORE REPORT 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.

*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

*75 RF XMTR LO BAT RST REPORT CODE

*80 OUTPUT RELAYS

*81 ZONE LISTS FOR OUTPUT RELAYS

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 RF INPUT IDs: (Also can be accomplished from field *56): See procedure in instructions, under field *56.

DOWNLOAD INFO (*94, *95)

*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: Master Code + Code + 0.

*99 EXITS PROGRAMMING MODE and allows re-entry by: Master 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. Tamper contacts or expansion units cannot be used to operate relays.

OUTPUT RELAY	RELAY ACTION (A)	S T A R T ← either or both →			S T O P ← either or both →	
		EVENT (EV)	ZONE LIST (ZL)	ZONE TYPE /SYST OP'N (ZT)	RESTORE of ZONE LIST (ZL)	ZONE TYPE /SYST OP'N (ZT)
01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
02	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
03	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
04	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>

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 |

**Or at Disarming, whichever occurs earlier.

***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.