Ademco via30+ PROGRAMMING FORM

FIELD FUNCTION	PROGRAMMED VALUES	[ ] = Default Value

SYSTEM SETUP (*20-*27)

*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 or 5827BD Console.

*25 WIRED EXPANSION/RELAY USED † ▢ [0 = none]; 1 = 4219; 2 = 4229; 3 = 4204

26 VOICE MODULE ACCESS CODE ▢▢ 1st digit: Enter 1-9; 2nd digit: Enter only #+11 for '', #+12 for '#'. [0] in either position = disabled.

*27 OUTPUT TO LONG RANGE RADIO † ▢ [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).

ZONE SOUNDS AND TIMING (*28-*39)

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

*29 FIRE SOUNDER TIMEOUT † ▢ [0 = fire sounder timeout]; 1 = no fire sounder timeout

*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; 4 = 60 sec; 5 = 90 sec EXIT Delay = ENTRY Delay + 15 sec

*39 AUDIBLE EXIT WARNING † ▢ 0 = no; [1 = yes]

DIALER PROGRAMMING (*40-*50)

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 up to 4 digits.
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.
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 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 ▢ Also see field *27.

[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 PHONE No.	TO SECONDARY PHONE No.
1 =	Alarms, Restore, Cancel	Other Reports
2 =	All Reports except Open/Close, Test	Open/Close, Test
3 =	Alarms, Restore, Cancel	All Reports
4 =	All Reports except Open/Close, Test	All Reports
5 =	All Reports (*Dual Reporting*)	All Reports

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

*49 PERIODIC TEST MESSAGE † ▢ [0 = none]; 1 = 24 hrs; 2 = wkly; 3 = mnthly. 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)
ZONES ON CONTROL:					
Zones 1–4 are not present					
Wired Zone 5	0 5	☐☐	☐☐☐☐	HW	—
Wired Zone 6	0 6	☐☐	☐☐☐☐	HW	—
Console Panic (∗&#, or B)	0 7	☐☐	☐☐☐☐	—	—
Duress	0 8	— —	☐☐☐☐	—	—
Tamper	0 9	0 5	☐☐☐☐	—	—
Console Panic (1&∗, or A)	9 5	☐☐	☐☐☐☐	—	—
Console Panic (3&#, or C)	9 6	☐☐	☐☐☐☐	—	—

EXPANSION ZONES: 4219/4229 can add up to 8 wired expansion zones. With 4281L, up to 4 RF expansion zones also available; 4281M/5881L, up to 8; 5881M, up to 16; 4281H/5881H, up to 30 (minus, in the last case, the number of 4219/4229 zones used).

ENTER FOR ↓5800 ONLY↓

		ZONE No. (Zn)	ZONE TYPE (ZT)	ALARM RPT CODE (Hex) (RC)	INPUT DEVICE (In)	LEARNED RF INPUT (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	☐☐	☐☐	☐☐☐☐	☐	☐

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 = Zone Not Used	05 = Trouble Day/Alarm Night	10 = Interior w/Delay
01 = Entry/Exit	06 = 24 Hr Silent	20 = Arm–Stay
02 = *Do not use*	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 "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.

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 = 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: ⊠ 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

*61　BYPASS REPORT CODE

*62　AC LOSS REPORT CODE

*63　LOW BATTERY REPORT CODE

*64　TEST REPORT CODE

*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.

*67　RF XMTR LOW BAT REPORT CODE

*68　CANCEL REPORT CODE

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

OUTPUT AND SYSTEM SETUP (*80-*92)

*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.

*92　REPORTS PER ARMED PERIOD
[0 = 10 max total alrm + alrm restore], 1 = unlimited

DOWNLOAD INFO (*94, *95)

*94　DOWNLOAD PHONE No.

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
[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 WORKSHEET FOR FIELDS *80, and *81.

Applicable only if relays are to be used.

**Fill in required data and follow detailed programming procedure
described in *PROGRAMMING DATA FIELDS* section of Installation Instructions**

*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. 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)	"RESTORE of" ZONE LIST (ZL)	ZONE TYPE /SYST OP'N (ZT)
01	☐	☐	☐	☐☐	☐	☐☐
02	☐	☐	☐	☐☐	☐	☐☐
03	☐	☐	☐	☐☐	☐	☐☐
04	☐	☐	☐	☐☐	☐	☐☐

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 = 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   Record desired zone numbers. More or fewer boxes 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.