

PROGRAMMING DATA FIELDS

Note: The following shows Factory Default Settings within brackets: []

SYSTEM ARMING (*20-*28)

- *20 MASTER SECURITY CODE**
[4][1][1][0] Enter 4 digits, 0-9 (entry of all 4 is mandatory). Use of a "9" in the last position inhibits the Ambush feature.
- *21 QUICK ARM ENABLE**
[1] Enter 1 for enabled or 0 for disabled.
- *22 KEYSWITCH ENABLE**
[0] Enter 1 for enabled or 0 for disabled.
[Use of a 4281 or 4219 on the console lines disables the ability to use a keyswitch.]
- *23 FORCED ARM ENABLE**
[1] Enter 1 for enabled or 0 for disabled.
- *24 RF RECEIVER HOUSE ID CODE**
[0] [0] If 4281 used, enter 01-31 House ID. With 4219 enter 90. Otherwise enter 00.
- *28 CONFIRMATION OF ARMING DING**
[0] Enter 1 for enabled or 0 for disabled

ZONE RESPONSE PROGRAMMING *29-*39

- *29 FIRE SOUNDER TIMEOUT**
[0] Enter 1 for no fire sounder timeout or 0 for fire sounder timeout.
- *30 ALARM BELL TIMEOUT**
[2] External sounder will shut off after time allotted. Enter 1 digit.
0 = No timeout 2 = 8 minutes
1 = 4 minutes 3 = 12 minutes

Use the following table of zone types for programming fields *31-*37

- 0= Zone Disabled
- 1= ENTRY/EXIT, Burglary
- 2= *not used*
- 3= PERIMETER, Burglary
- 4= INTERIOR/FOLLOWER, Burglary
- 5= TROUBLE BY DAY/ALARM BY NIGHT, Burglary
- 6= 24 Hr (Silent)
- 7= 24 Hr (Audible)
- 8= 24 Hr (Aux)
- 9= FIRE, Fields *35 & *37 only
- 10= INTERIOR w/DELAY, Burglary
(To programme, enter # + 10)

- *31 RESPONSE TYPE FOR ZONE 1**
[1] Enter 1 digit
- *32 RESPONSE TYPE FOR ZONE 2**
[4] Enter 1 digit
- *33 RESPONSE TYPE FOR ZONE 3**
[3] Enter 1 digit
- *34 RESPONSE TYPE FOR ZONE 4**
[3] Enter 1 digit
- *35 RESPONSE TYPE FOR ZONE 5**
[3] Enter 1 digit,
- *36 RESPONSE TYPE FOR ZONE 6**
[3] Enter 1 digit
- *37 RESPONSE TYPE FOR ZONE 7 (Console Panic, Wired & Wireless)**
[6] Enter 1 digit
Only zone types 0,6,7,8,9 applicable.

*38 ENTRY/EXIT DELAY

[2] System will wait the time allotted before sounding alarm upon entering. Enter 1 digit.
(Exit delay = Entry delay plus 15 seconds)

- 0 = 0 Seconds 3 = 45 Seconds
- 1 = 20 Seconds 4 = 60 Seconds
- 2 = 30 Seconds 5 = 90 Seconds

*39 ZONE 3 RESPONSE TIME TO OPEN

- [0] 400 ms nominal = 0
 10 ms nominal = 1

DIALLER PROGRAMMING (*40-49)

*40 PABX ACCESS CODE

[][][][] Enter 4 digits, 0-9, for each PABX digit needed to access an outside line. To skip this field, enter *. If * is entered, no PABX number will be dialed and nothing will appear in this field. End field by entering *41 if not filled. To clear entries from field, press *40*.

*41 PRIMARY PHONE No.

[][][][][][][][][][][][][] Enter up to 12 digits, 0-9. Do not fill unused spaces. End field by entering *42 if not filled. To clear entries from field, press *41*.

Note: Back-up reporting (3 calls are made to the secondary phone number if no acknowledgment is received after 3 attempts to the primary number) is automatic only if there is a secondary phone number.

*42 SECONDARY PHONE No.

[][][][][][][][][][][][][] See above. End field by entering *43 if not filled. To clear entries from field, press *42*.

*43 SUBSCRIBER ACCT. No.

[15][15][15][15]
Enter digits 0-9; #+11=B; #+12=C; #+13=D; #+14=E; or #+15=F. Enter * as the fourth digit if a 3 digit acct no. (for 3+1 dialler reporting format) is used. Enter 0 as the first digit of a 4-digit acct no. for nos. 0000-0999. End field by entering *44 if only 3 digits are used. To clear entries from field, press *43*.

*44 REPORT FORMAT

[7] Determine which format is to be used to report to central station. Enter 1 digit.

- 0 = 3+1; 4+1 ADEMCO L/S Standard
 - 1 = 3+1; 4+1 Radionics Standard
 - 2 = 4+2 ADEMCO Lo Speed Standard
 - 3 = 4+2 Radionics Standard
 - 6 = 4+2 ADEMCO Express
 - 7 = ADEMCO Contact ID Reporting
 - 8 = 3+1; 4+1 ADEMCO Lo Speed Xpanded
 - 9 = 3+1; 4+1 Radionics Expanded
- (Enter * as the 4th digit of *43 if 3+1 dialler reporting is to be used.)

The Report Codes for Alarm, System Status, Restore, and RF XMTR IDs or 4219 Zones shown in fields *51-*91 in the following sections may be designated to report to the central station in any of the above formats.

The 3+1 and 4+1 Standard formats comprise a 3 (or 4) digit subscriber number and a single digit report code (e.g. Alarm, Trouble, Restore, Open, Close).

The 3+1 and 4+1 Expanded formats comprise a 3 (or 4) digit subscriber number, and a single digit report code, followed by a second line where the report code is repeated 3 (or 4) times and followed by another number (normally the zone number) or user ID related to that report.

The 4+2 formats comprise a 4 digit subscriber number and single digit report code, immediately followed by the zone number (normally) or user ID.

The Ademco Contact ID Reporting format comprises a 4 digit subscriber number, 1 digit event qualifier ("new" or "restore"), 3 digit event code, 2 digit "00", and 3 digit zone, contact ID, user, or system status number.

Report	3+1/4+1 Standard	3+1/4+1 Expanded	4+2 Expanded
Alarm	SSS(S) A	SSS(S) A AAA(A) Z	SSSS AZ
Trouble	SSS(S) T	SSS(S) T TTT(T) t	SSSS Tt
Bypass	SSS(S) B	SSS(S) B BBB(B) b	SSSS Bb
AC Mains Loss	SSS(S) E	SSS(S) E EEE(E) A _C	SSSS EA _C
Low Batt	SSS(S) L	SSS(S) L LLL(L) L _B	SSSS LL _B
Open	SSS(S) O	SSS(S) O OOO(O) U	SSSS OU
Close	SSS(S) C	SSS(S) C CCC(C) U	SSSS CU
Test	SSS(S) G	SSS(S) G GGG(G) g	SSSS Gg
Restore Alarm	SSS(S) R	SSS(S) R RRR(R) Z	SSSS RZ
AC Mains Restore	SSS(S) R _A	SSS(S) R _A R _A R _A R _A (R _A)A _C	SSSS R _A A _C
LoBat Res.	SSS(S) R _L	SSS(S) R _L R _L R _L R _L (R _L)L _B	SSSS R _L L _B
Trouble Res.	SSS(S) R _T	SSS(S) R _T R _T R _T R _T (R _T)t	SSSS R _T t
Bypass Res.	SSS(S) R _B	SSS(S) R _B R _B R _B R _B (R _B)b	SSSS R _B b

Where:

SSS or SSSS = Subscriber ID
 A = Alarm Code-1st digit
 Z = Typically Zone Number**2nd digit
 Tt = Trouble Code (1st & 2nd digits)
 Bb = Bypass Code (1st & 2nd digits)
 EA_C = AC Loss Code (1st & 2nd digits)
 LL_B = Low Battery Code(1st & 2nd digits)
 O = Open Code-1st Digit
 C = Close Code-1st Digit
 U = User Number (1st & 2nd digits)
 Gg = Test Code (1st & 2nd digits)
 R = Restore Code (Alarm)1st & 2nd digits
 R_Tt = Restore Code (Trbl)1st & 2nd digits
 R_Bb = Restore Code (Byps)1st & 2nd digits
 R_AA_C = Restore Code (AC)1st & 2nd digits
 R_LL_B = Restore Code (Bat)1st & 2nd digits

**Zone numbers for: [*] & [#] = 7
 Duress = 8
 Tamper = 9
 [1] & [*] = 95
 [3] & [#] = 96

Ademco Contact ID Reporting takes the following format:

CCCC Q EEE GG ZZZ

where: CCCC = Customer (subscriber) ID

Q = Event qualifier, where:

E = new event , and R = restore

EEE = Event code (3 hexadecimal digits)

NOTE: For a complete list of event codes, refer to the central office receiver manual.

GG = Always 00

ZZZ = Zone/contact ID number reporting the alarm, or user number for open/close reports.

System status messages (AC Loss, Walk Test, etc.) contain zeroes in the ZZZ location.

*45 PHONE SYSTEM SELECT

[0] Enter 1 digit.

If Central Station Rcvr *is not* on a satellite link:

0 = Pulse Dial 1 = Tone Dial

If Central Station Rcvr *is* on a satellite link:

2 = Pulse Dial 3 = Tone Dial

*46 SESCOA/RADIONICS SELECT [0]

0 = Radionics (0-9, B-F reporting)

1 = SESCOA (0-9 only reporting)

*47 15 SECOND DELAY FOR BURG [0]

0 = NO 1 = YES

*48 24 HR TEST MESSAGE [0]

0 = NO 1 = YES

If enabled, code programmed for field *64 will be sent approximately 12 hrs after control is programmed or downloaded, and every 24 hrs thereafter.

*49 SPLIT/DUAL REPORTING [0]

Enter 0 to disable (Backup report only) or enter digit selected from the following table:

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

Note: 3 attempts will be made to each phone number.

ALARM REPORT CODES (*50-*59)

*50 1st DIGITS OF ZONES 95, 96

ALARM REPORT CODES [0](95) [0](96)

Zone 95=Keys 1&* Console Panic (Silent)

Zone 96=Keys 3&# Console Panic (Audible)

Enter the *first* digit of Zone 95's alarm report code in the left-hand box and 96's in the right-hand box. Select 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.

The *second* digit of each alarm report code (for 4+2 or expanded format) will be the same as that for Zone 7 (as programmed in field *57). The same applies to Restore.

For any format, if a "0" (not "#+10") is programmed for the first digit, no report is generated.

TO PROGRAMME REPORT CODES FOR ALARM, SYSTEM STATUS, RESTORE, & XMTR IDs or 4219 ZONES (*51-*91):

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. This is an "enabling" code only and is disregarded in the actual reporting to the central office. Entries in the *second* boxes will be ignored.

A [0] (*not* [#+10]) in the *first* box will disable the report.

See examples on programming form.

- *51 ZONE 1 ALARM REPORT CODE
[1] [0]
- *52 ZONE 2 ALARM REPORT CODE
[1] [0]
- *53 ZONE 3 ALARM REPORT CODE
[1] [0]
- *54 ZONE 4 ALARM REPORT CODE
[1] [0]
- *55 ZONE 5 ALARM REPORT CODE
[1] [0]
- *56 ZONE 6 ALARM REPORT CODE
[1] [0]
- *57 ZONE 7 ALARM REPORT CODE
Console Panic, Keys * & #
[1] [0] See box above and field *50.
- *58 ZONE 8 ALARM REPORT CODE
Duress
[1] [0]
- *59 ZONE 9 ALARM REPORT CODE
Tamper
[1] [0]

SYSTEM STATUS REPORT CODES (*60-*68)

(See box above field *51)

- *60 TROUBLE REPORT CODE
[1] [0]
- *61 BYPASS REPORT CODE
[1] [0]
- *62 AC MAINS LOSS REPORT CODE
[1] [0]
- *63 LOW BATTERY REPORT CODE
[1] [0]
- *64 TEST REPORT CODE
[1] [0]
- *65 OPEN REPORT CODE
[1] (2nd digit = User #) $\phi\phi = \text{no}$
- *66 CLOSE REPORT CODE
[1] (2nd digit = User #) $\phi\phi = \text{no}$
- *67 RF TRANSMITTER LOW BATTERY REPORT CODE
[1] [0]

- *68 CANCEL REPORT CODE
[0] [0]

RESTORE REPORT CODES (*69-*75)

(See box above field *51)

- *69 RESTORE REPORT TYPE
[0] Enter 1 for Restore at Disarm Time or 0 for Dynamic Reporting.
- *70 ALARM RESTORE REPORT CODE
1ST DIGIT
[1] (2nd digit normally zone #) When set to 0, all restores are disabled. The 2nd digit of an alarm restore 2 digit report is the same as the 2nd digit of the alarm report being restored as found in fields *51 - *59 and *76 - *91.
- *71 TROUBLE RESTORE RPT CODE
[1] [0]
- *72 BYPASS RESTORE REPORT CODE
[1] [0]
- *73 AC MAINS RESTORE RPT CODE
[1] [0]
- *74 LOW BAT RESTORE REPORT CODE
[1] [0]
- *75 RF TRANSMITTER LOW BATTERY RESTORE REPORT CODE
[1] [0]

RF TRANSMITTER IDs or 4219 ZONES AND REPORT CODES (*76-*92)

With 4281L: Only fields *76-*79 plus *92 can be used. If any field *80-*91 is programmed, control will remain disabled and E4 will show on display.

With 4281M: Only fields *76-*83 plus *92 can be used. If any field *84-*91 is programmed, control will remain disabled and E8 will show on display.

With 4281H: Fields *76-*92 can be used.

With 4219: Its 8 EOLR loops (designated A-H) can use only fields *76-*83 plus *92. If any field *84-*91 is programmed, control will remain disabled and E8 will show on display.

For Report Code Info, see box above field *51

XMTR ID or 4219 Loop Zone	Zone Type	XMTR ID or 4219 Loop Zone	Zone Type
10-13	ENTRY/EXIT, Burg.	48-55	FIRE
14-29	PERIMETER, Burg.	56-61	TROUBLE BY DAY/ ALARM BY NITE, Burg.
30-36	INT/FOLLOW, Burg.	62	24 hr. (audible)
37-40	INT w/DELAY, Burg.	63	Programmed by field *92
41-47	PERIMETER, Burg.		

- *76 1st RF XMTR ID or LOOP A ZONE
[0] [0] / [0] [0] /REPORT CODE
- *77 2nd RF XMTR ID or LOOP B ZONE
[0] [0] / [0] [0] /REPORT CODE
- *78 3rd RF XMTR ID or LOOP C ZONE
[0] [0] / [0] [0] /REPORT CODE
- *79 4th RF XMTR ID or LOOP D ZONE
[0] [0] / [0] [0] /REPORT CODE
- *80 5th RF XMTR ID or LOOP E ZONE
[0] [0] / [0] [0] /REPORT CODE
- *81 6th RF XMTR ID or LOOP F ZONE
[0] [0] / [0] [0] /REPORT CODE
- *82 7th RF XMTR ID or LOOP G ZONE
[0] [0] / [0] [0] /REPORT CODE