



**REPORT CODES/ID DIGITS FOR ZONES 1-32**

<b>*54 CODE</b>	<b>*55 ID</b>	<b>*56 CODE</b>	<b>*57 ID</b>
1 <input type="text"/>	<input type="text"/>	9 <input type="text"/>	<input type="text"/>
2 <input type="text"/>	<input type="text"/>	10 <input type="text"/>	<input type="text"/>
3 <input type="text"/>	<input type="text"/>	11 <input type="text"/>	<input type="text"/>
4 <input type="text"/>	<input type="text"/>	12 <input type="text"/>	<input type="text"/>
5 <input type="text"/>	<input type="text"/>	13 <input type="text"/>	<input type="text"/>
6 <input type="text"/>	<input type="text"/>	14 <input type="text"/>	<input type="text"/>
7 <input type="text"/>	<input type="text"/>	15 <input type="text"/>	<input type="text"/>
8 <input type="text"/>	<input type="text"/>	16 <input type="text"/>	<input type="text"/>
<b>*59 CODE</b>	<b>*60 ID</b>	<b>*61 CODE</b>	<b>*62 ID</b>
17 <input type="text"/>	<input type="text"/>	25 <input type="text"/>	<input type="text"/>
18 <input type="text"/>	<input type="text"/>	26 <input type="text"/>	<input type="text"/>
19 <input type="text"/>	<input type="text"/>	27 <input type="text"/>	<input type="text"/>
20 <input type="text"/>	<input type="text"/>	28 <input type="text"/>	<input type="text"/>
21 <input type="text"/>	<input type="text"/>	29 <input type="text"/>	<input type="text"/>
22 <input type="text"/>	<input type="text"/>	30 <input type="text"/>	<input type="text"/>
23 <input type="text"/>	<input type="text"/>	31 <input type="text"/>	<input type="text"/>
24 <input type="text"/>	<input type="text"/>	32 <input type="text"/>	<input type="text"/>

**\*58**

Alm/Supv Rst.

Trouble

Trble Rst.

Bypass

Bypss Rst.

**\*79 ZONE TYPE RESTORE ENABLE FOR ZONE TYPES 1-8**

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
1	2	3	4	5	6	7	8

1=enable; [0=disable]

**\*80 ZONE TYPE RESTORE FOR TYPES 9 & 10**

1=enable; [0=disable]

9 10

**SYSTEM NON ALARM CODES**

	<b>*81</b>	<b>*82</b>
	First Digit	Second Digit
Close	<input type="text"/>	<input type="text"/>
Open	<input type="text"/>	<input type="text"/>
Low Battery	<input type="text"/>	<input type="text"/>
Low Bat Res.	<input type="text"/>	<input type="text"/>
AC Loss	<input type="text"/>	<input type="text"/>
AC Restore	<input type="text"/>	<input type="text"/>
Communicator Test	<input type="text"/>	<input type="text"/>
Power Up	<input type="text"/>	<input type="text"/>
Cancel	<input type="text"/>	<input type="text"/>
Prog. Tamper	<input type="text"/>	<input type="text"/>

Second digit of each code applies only to 4+2 or expanded (fields \*52 & \*53) formats.

**REPORT CODES/ID DIGITS FOR ZONES 33-64**

<b>*64 CODE</b>	<b>*65 ID</b>	<b>*66 CODE</b>	<b>*67 ID</b>
33 <input type="text"/>	<input type="text"/>	41 <input type="text"/>	<input type="text"/>
34 <input type="text"/>	<input type="text"/>	42 <input type="text"/>	<input type="text"/>
35 <input type="text"/>	<input type="text"/>	43 <input type="text"/>	<input type="text"/>
36 <input type="text"/>	<input type="text"/>	44 <input type="text"/>	<input type="text"/>
37 <input type="text"/>	<input type="text"/>	45 <input type="text"/>	<input type="text"/>
38 <input type="text"/>	<input type="text"/>	46 <input type="text"/>	<input type="text"/>
39 <input type="text"/>	<input type="text"/>	47 <input type="text"/>	<input type="text"/>
40 <input type="text"/>	<input type="text"/>	48 <input type="text"/>	<input type="text"/>
<b>*69 CODE</b>	<b>*70 ID</b>	<b>*71 CODE</b>	<b>*72 ID</b>
49 <input type="text"/>	<input type="text"/>	57 <input type="text"/>	<input type="text"/>
50 <input type="text"/>	<input type="text"/>	58 <input type="text"/>	<input type="text"/>
51 <input type="text"/>	<input type="text"/>	59 <input type="text"/>	<input type="text"/>
52 <input type="text"/>	<input type="text"/>	60 <input type="text"/>	<input type="text"/>
53 <input type="text"/>	<input type="text"/>	61 <input type="text"/>	<input type="text"/>
54 <input type="text"/>	<input type="text"/>	62 <input type="text"/>	<input type="text"/>
55 <input type="text"/>	<input type="text"/>	63 <input type="text"/>	<input type="text"/>
56 <input type="text"/>	<input type="text"/>	64 <input type="text"/>	<input type="text"/>

**\*63**

Alm/Supv Rst.

Trouble

Trble Rst.

Bypass

Bypss Rst.

**\*83 FIRST TEST REPORT TIME**

[Day 00; hour 12; min 00] Days 01-07 Hours 00-23 Min 00-59; 00 in all boxes=instant (Day 01= Monday)

**\*84 SWINGER SUPPRESSION** [15]

01-15 alarms

**\*87 ENTRY WARNING** [1]

1=continuous; 0=3 beeps

**\*88 BURG. ALARM COMM. DELAY** [0]

1=16 seconds; 0=no delay

**\*89 RESTORE REPORT TIMING** [0]

0=instant; 1=at corresponding bell timeout; 2=at disarm  
NOTE: When option "1" selected, a restore report is sent when any output (bells or aux. relay) times out.

**\*90 SCNDRY SUBSCRIBER ACCT #**

Enter 00-09; B-F (11-15) [15 15 15 15]

**REPORT CODES/ID DIGITS FOR ZONES 70-99 (Keypad panics & system zones)**

<b>*76 CODE</b>	<b>*77 ID</b>	<b>*78</b>
NU <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/>	<input type="text"/> Alarm Rst.
NU <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/>	<input type="text"/> Trouble
NU <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/>	<input type="text"/> Trble Rst.
Dures <input type="text"/>	<input type="text"/>	<input type="text"/> Bypass
97 <input type="text"/>	<input type="text"/>	<input type="text"/> Bypss Rst.
95 <input type="text"/>	<input type="text"/>	
96 <input type="text"/>	<input type="text"/>	
99 <input type="text"/>	<input type="text"/>	

## 2nd Page Fields

### ASSIGN RESPONSE TYPE FOR ZONES 28-64

1*01	1*02	1*03	1*04	1*05
28	33	41	49	57
29	34	42	50	58
30	35	43	51	59
31	36	44	52	60
32	37	45	53	61
	38	46	54	62
	39	47	55	63
	40	48	56	64

**1\*33 TOUCH-TONE W/ROTARY BACKUP** [0]   
1=enable; 0=disable

**1\*34 COMM. SPLIT REPORT SELECTION** [0]   
0=no; 1=alarms primary, others secondary;  
2=open/close, test secondary, others primary

### SYSTEM NON-ALARM CODES

	1*40 First Digit	1*41 Second Digit
Armed STAY	<input type="checkbox"/>	<input type="checkbox"/>
Time/Date set or event log reset	<input type="checkbox"/>	<input type="checkbox"/>
Event log 50% & 90% full	<input type="checkbox"/>	<input type="checkbox"/>
Event log overflow	<input type="checkbox"/>	<input type="checkbox"/>

**1\*43 ENABLE PERM. BACKLIGHT** [0]   
1=enable; 0=disable

**1\*45 ENABLE CONSOLE ANNUN. DURING EXIT DELAY** [0]   
1=enable; 0=disable

**1\*47 ENABLE CHIME ANNUN. ON BELL 1** [0]   
1=enable; 0=disable

**1\*52 CANCEL REPORT RESTRICTION** [0]   
1=no restriction; 0=within bell timeout period only. If zone is mapped to more than one output, shortest timeout applies

**1\*53 DOWNLOAD CALLBACK** [0]   
1=callback not required; 0=callback required

### EVENT LOGGING FIELDS

(Real time clock must be set: User code + [#] + 63)

**1\*70 EVENT LOG TYPES**       
1=enable logging; [0]=disable  
Alrm & Fire Supv. Chck Byps O/C System

**1\*71 12/24 HOUR TIME STAMP FORMAT** [0]   
0=12 hour; 1=24 hour

**1\*72 EVENT LOG PRINTER ON-LINE MODE** [0]   
0=disable; 1=enable

**1\*73 PRINTER BAUD RATE** 1=300; 0=1200 [0]

## 3rd Page Fields

### 3\*10 RESPONSE TYPE ASSIGNMENT

70  Bell 1  
71  Bell 2 [19]  
72  Earth Gnd [19]  
73  J2/IN 1 [19]  
74  Dialer 1 [19]  
75  Dialer 2  
NU  0|0  
NU  0|0

**Response Types:**  
00 = Disabled zone  
01 = Entry/Exit #1  
02 = Entry/Exit #2  
03 = Perimeter  
04 = Interior Follower  
05 = Day/Night  
06 = 24 hour Silent Alarm  
07 = 24 hour Audible Alarm  
08 = 24 hour Auxiliary  
09 = Fire w/o alarm verification  
10 = Interior Delay  
16 = Fire with alarm verification  
17 = Fire Water Flow  
18 = Fire Supervisory  
19 = 24 hour Trouble

**3\*15 ALARM BELL SOUND** [1,0]    
0=pulsed; 1=steady  
Bell 1 Bell 2

**3\*16 DELAY for ZONE TYPES 17 & 18** [00]   
(Waterflow & Fire Supv) Enter 00-15 times 2 seconds

**3\*17 ALTERNATE FUNCTION (TAMPER)** [0]   
FOR ZONE 6 0=disabled; 1=enabled

**3\*19 ENABLE J2 HEADER PRINTER PORT** [0]   
0=pins 5&9 function as per field 3\*20; 1=pins 5&9 act as printer RXD & DTR

**3\*20 TRIGGER OUTPUTS SELECTION** [0]   
0=LORRA full connection & Remote Console Sounder; 1=LORRA limited conn. & Keypress LEDs; 2=LORRA fire only conn. & 5140LED

**3\*21 MAX # OF DIALER RETRIES** [8]   
1-8 (3, 4 or 5 for NFPA71 compliant systems when a secondary phone number is programmed (field \*34)

**3\*30 DIALER SELECTION** [1,0]    
1=enabled; 0=disabled  
Main Backup

**3\*31 BACKUP DIALER TOUCHTONE/ROTARY** [0]   
1=TouchTone; 0=Rotary

### REPORT CODES/ID DIGITS FOR ZONES 70-77

3*40 CODE	3*41 ID	3*42
70	<input type="checkbox"/>	<input type="checkbox"/> Alarm Rst.
71	<input type="checkbox"/>	<input type="checkbox"/> Trouble
72	<input type="checkbox"/>	<input type="checkbox"/> Trble Rst.
73	<input type="checkbox"/>	<input type="checkbox"/> Bypass
74	<input type="checkbox"/>	<input type="checkbox"/> Bypss Rst.
75	<input type="checkbox"/>	
76	<input type="checkbox"/>	
77	<input type="checkbox"/>	

**3\*50 ZONE TYPE RESTORE ENABLE FOR ZONE TYPES 16-18**     
16 17 18

NON-ALARM CODES	3*51 First Digit	3*52 Second Digit
Fire/Burg. Walk Test Start	<input type="checkbox"/>	<input type="checkbox"/>
Fire/Burg. Walk Test End	<input type="checkbox"/>	<input type="checkbox"/>

**3\*57 BELL 2 & Aux. RELAY CONFIRM ARM DING**    
1=enable; [0]=disable  
Bell 2 Aux

**3\*58 BELL 2 & Aux. RELAY AC POWER LOSS ALARM**    
1=yes; [0=no]  
Bell 2 Aux

**3\*59 ENABLE BELL 2 & Aux. RELAY CHIME ANNUNCIATION**    
1=enable; [0]=disable  
Bell 2 Aux

**3\*60 BELL 2 & AUX. RELAY TIMEOUT**      
 00-15 times 2 minutes; 00=no timeout [00, 00] Bell 2 Aux

**3\*61 AUX. RELAY FUNCTION** [1]   
 0=Trouble/supervisory; 1=Alarm, silenced by code + OFF  
 2=Smoke Detector Reset; 3=Battery Save; 4=Alarm, silenced by code + [#] + 67

**BELL 1, BELL 2 & AUX. RELAY ACTIVATION**  
 These fields apply to the Aux. Relay only if alarm function is enabled in field 3\*61.

**BELL/RELAY ACTIVATION CODES:** 0=none; 1=Bell 1; 2=Bell 2; 3=Bell 1 & 2; 4=Aux. Relay; 5=Bell 1 & Relay; 6=Bell 2 & Relay; 7=Bells 1 & 2 & Relay

**3\*70**          
 ZONES: 1 [6] 2 [6] 3 [5] 4 [5] 5 [5] 6 [5] 7 [5] 8 [5]

**3\*71**          
 ZONES: 9 10 11 12 13 14 15 16

**3\*72**          
 ZONES: 17 18 19 20 21 22 23 24

**3\*73**          
 ZONES: 25 26 27 28 29 30 31 32

**3\*74**          
 ZONES: 33 34 35 36 37 38 39 40

**3\*75**          
 ZONES: 41 42 43 44 45 46 47 48

**3\*76**          
 ZONES: 49 50 51 52 53 54 55 56

**3\*77**          
 ZONES: 57 58 59 60 61 62 63 64

**3\*78**          
 ZONES: 65 66 67 68 69 70 71 72

**3\*79**          
 ZONES: 73 74 75 76 77 78 79 80

**3\*81**          
 ZONES: 81 82 83 84 85 86 87 88

**3\*82 ENABLE BURG. FEATURES** [1]   
 1=enable; 0=disable; "0" disables AWAY, STAY, MAX, TEST, INSTANT & CHIME functions

**3\*85 ENABLE FIRE & SYSTEM ZONE BYPASS** [1]   
 0=not enabled; 1=only installer can bypass; 2=only installer & master user can bypass. Applies to fire zone types 9, 16, 17 & 18 and system zones 70-77.

**PROGRAMMING GUIDE**

**COMMAND FUNCTIONS**

**To enter program mode:**  
 enter installer code + [8] + [0] + [0]

**To set standard defaults:**  
 press \*97

**To set communication defaults:**  
 press \*94 + one of the following: \*80=low speed;  
 \*81=Ademco Express; \*82=Ademco High Speed;  
 \*83=Ademco's Contact ID

**To change to next page of program fields:**  
 press \*94

**To return to previous page of fields:**  
 press \*99

**To erase account & phone number data entries:**  
 press [\*] + field number + [\*]

**To exit program mode:**  
 press \*99 OR \*98: \*99 allows re-access to programming mode by installer code. \*98 prevents re-access to programming mode by installer code.

**PROGRAM FIELD GROUPS**

- A. ASSIGN RESPONSE TYPES FOR ZONES  
Fields \*02-\*05, 1\*01-1\*05 & 3\*10
- B. SOUNDER, BELL & AUXILIARY RELAY OPTIONS  
Fields \*13, \*16, \*23, 1\*47, 3\*15, 3\*57, 3\*59-3\*61
- C. BELL 1, BELL 2 & AUXILIARY RELAY ACTIVATION  
Fields 3\*70-3\*81
- D. EXIT/ENTRY DELAYS & ACCESS OPTIONS  
Fields \*00, \*09-\*12, \*15, \*29, \*87, 1\*45
- E. MISCELLANEOUS SYSTEM OPTIONS  
Fields \*17-\*19, \*24, \*25-\*28, \*38, \*41, \*83, 1\*43, 3\*16-3\*20, 3\*58, 3\*82, 3\*85
- F. PHONE LINE & COMMUNICATOR OPTIONS  
Fields \*30-\*34, \*42-\*53, \*84, \*88-\*90, 1\*33, 1\*34, 1\*52 3\*30, 3\*31
- G. ALARM REPORT CODES  
Fields \*54-\*78, 3\*40-3\*42
- H. SYSTEM NON-ALARM CODES  
Fields \*81, \*82, 1\*40, 1\*41, 3\*51, 3\*52
- I. ZONE TYPE RESTORE ENABLES  
Fields \*79, \*80, 3\*50
- J. OPEN/CLOSE REPORT ENABLES  
Fields \*39, \*40
- K. EVENT LOGGING OPTIONS  
Fields 1\*70-1\*73
- L. DOWNLOADING OPTIONS  
Fields \*35-\*37, \*44, 1\*53