
AM100

SECURITY SYSTEM

PROGRAMMING GUIDE



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

Field	Function	Programmed Values	[] = Default Value
SYSTEM SETUP (*20-*30)			
*20	INSTALLER CODE	<input style="width: 40px; border: 1px solid black;" type="text"/> [4 1 1 2] Enter 4 digits, 0-9	
*22	RF SYSTEM	<input type="checkbox"/> [0] 0 = none; 1 = 5800 (5881/5882)	
*23	FORCED BYPASS	<input type="checkbox"/> [0] Part. 1 [†] 0 = none; 1 = bypass open zones "0". for UL installations.	
*24	RF HOUSE ID CODE	<input style="width: 40px; border: 1px solid black;" type="text"/> [0][0] 00 = disable all wireless keypad usage; 01-31 = using 5827 keypad	
*25	WIRED ZONE EXPANSION	<input type="checkbox"/> [0] 0 = none; 1 = 4219; 2 = 4229; 3 = 4204	
*26	CHIME BY ZONE	<input type="checkbox"/> [0] 0 = no; 1 = yes (program zones to chime on zone list 3)	
*27	X-10 HOUSE CODE	<input type="checkbox"/> [0] 0 = A; 1 = B, 2 = C, 3 = D, 4 = E, 5 = F, 6 = G, 7 = H, 8 = I, 9 = J, #10 = K, #11 = L, #12 = M, #13 = N, #14 = O, #15 = P	
*28	PHONE MODULE ACCESS CODE	<input style="width: 40px; border: 1px solid black;" type="text"/> [00] 1st digit: enter 1-9; 2nd digit: enter # + 11 for *, or # + 12 for #. Entering 0 for either digit disables code.	
*29	OUTPUT TO LONG RANGE RADIO	<input type="checkbox"/> [0] 0 = disable; enable = Trouble code 1-9, B (# + 11), C (# + 12), D (# + 13), E (# + 14), or F (# + 15). The 2nd digit of Trouble Dialer Report is automatically entered from field *60. "0" for UL installations.	
*30	KEYSWITCH ENABLE (ZONE 7)	<input type="checkbox"/> [0] 1 = Enable: 0 = Disable	
ZONE SOUNDS AND TIMING (*31-*39)			
*31	SINGLE ALARM SOUNDING/ZONE	<input type="checkbox"/> [0] 1 = yes; 0 = no; "0" for UL installations.	
*32	FIRE SOUNDER TIMEOUT	<input type="checkbox"/> [0] 0 = timeout; 1 = no timeout	
*33	ALARM BELL TIMEOUT	<input type="checkbox"/> [1] 0 = none; 1 = 4 min; 2 = 8 min; 3 = 12 min; 4 = 16 min; "1" (4 min.) minimum for UL.	
*34	EXIT DELAY	<input style="width: 40px; border: 1px solid black;" type="text"/> [99] 00-99 = exit delay time (seconds)	
*35	ENTRY DELAY 1 (zone type 01)	<input style="width: 40px; border: 1px solid black;" type="text"/> [60] 00-99 = entry delay 1 time; 20 seconds max. for UL installations	

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

- ★36 ENTRY DELAY 2 (zone type 02) [90]
00-99 = entry delay 2 time;
50 seconds max. for UL installations
- ★37 AUDIBLE EXIT WARNING [1]
0 = no; 1 = yes
- ★38 CONFIRMATION OF ARMING DING
0 = no; 1 = yes (wired keypads and RF); 2 = yes, RF only
- ★39 POWER UP IN PREVIOUS STATE [1]
0 = no; 1 = yes; "1" for UL installations

DIALER PROGRAMMING (★40-★44 and ★47-★53)

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 2 second pause.

- ★40 PABX ACCESS CODE
Enter 6 digits. If fewer than 6 digits are 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 20 digits; Do not fill unused spaces. If fewer than 20 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 20 digits; Do not fill unused spaces. If fewer than 20 digits entered, exit by pressing ★ (and press 43, if entering next field). To clear entries from field, press ★42★.
 - ★43 PRIMARY SUBS ACCT #
★44 SECONDARY SUBS ACCT #
- For fields ★43 and ★44:**
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. **1234**, enter:
For Acct. **B234**, enter:
For Acct. **123**, enter:
- ★47 PHONE SYSTEM SELECT [3]
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.
 - ★48 REPORT FORMAT [7] [7]
Primary Secondary

- 0 = 3+1, 4+1 ADEMCO L/S STANDARD
- 1 = 3+1, 4+1 RADIONICS STANDARD
- 2 = 4+2 ADEMCO L/S STANDARD
- 3 = 4+2 RADIONICS STANDARD
- 6 or undefined = 4+2 ADEMCO EXPRESS
- 7 = ADEMCO CONTACT ID REPORTING
- 8 = 3+1, 4+1 ADEMCO L/S EXPANDED
- 9 = 3+1, 4+1 RADIONICS EXPANDED

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

★49 SPLIT/DUAL REPORTING

 [0]

0 = Disable (Backup report only)

TO PRIMARY PHONE No. **TO SECONDARY PHONE No.**

- | | |
|---------------------------------|------------------|
| 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 |

** See Installation Instructions for an explanation of the paging format.

TO PRIMARY PHONE No. **TO PAGING No. * (Secondary)**

- | | |
|---------------------------|--|
| 6 = All except Open/Close | ** Alarms, *Open/Close, Troubles |
| 7 = All reports | ** Alarms, Troubles |
| 8 = All reports | ** Alarms, *Open/Close, Troubles |
| 9 = All except Open/Close | * Open/Close for users 5-25 (users 5-16 or wireless button zones 10-25). |

* All Open/Close will be users 5 - 25.

★50 15 SEC DIALER DELAY (BURG)

 [1]

0 = no; 1 = yes; "0" for UL installations

★51 PERIODIC TEST REPORT

 [0]

0 = none; 1 = 24 hours; 2 = weekly; 3 = 30 days (Enter Test Code in field ★64.

★52 TEST REPORT OFFSET

 [2]

0 = 24 hour; 1 = 6 hours; 2 = 12 hours; 3 = 18 hours (Time to 1st report from programming or downloading).

★53 SESCOA/RADIONICS SELECT

 [0]

0 = Radionics (0 - 9, B - F reporting); 1 = SESCOA (0 - 9 only reporting). Select 0 for all other formats.

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

★56 **ZONE ASSIGNMENT/ALARM REPORT CODES** —This field is an interactive mode. Fill in the required data on the worksheet below (and on next page) and follow the programming procedure in the installation manual.

ZONES ON CONTROL:

See explanation of headings on next page →

ZONE RESPONSE DESCRIPTION	ZONE No. (Zn)	ZONE TYPE (ZT)	ALARM RPT CODE (Hex) (RC)	INPUT TYPE (In)	TIME (RT)
Wired Zone 1*	0 1 [09]	<input type="checkbox"/> <input type="checkbox"/>	[10] <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	HW [1]	<input type="checkbox"/>
Wired Zone 2	0 2 [01]	<input type="checkbox"/> <input type="checkbox"/>	[10] <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	HW [1]	<input type="checkbox"/>
Wired Zone 3	0 3 [01]	<input type="checkbox"/> <input type="checkbox"/>	[10] <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	HW [1]	<input type="checkbox"/>
Wired Zone 4	0 4 [03]	<input type="checkbox"/> <input type="checkbox"/>	[10] <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	HW [1]	<input type="checkbox"/>
Wired Zone 5	0 5 [03]	<input type="checkbox"/> <input type="checkbox"/>	[10] <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	HW [1]	<input type="checkbox"/>
Wired Zone 6	0 6 [03]	<input type="checkbox"/> <input type="checkbox"/>	[10] <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	HW [1]	<input type="checkbox"/>
Wired Zone 7**	0 7 [04]	<input type="checkbox"/> <input type="checkbox"/>	[10] <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	HW [1]	<input type="checkbox"/>
Wired Zone 8***	0 8 [04]	<input type="checkbox"/> <input type="checkbox"/>	[10] <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	HW [1]	<input type="checkbox"/>
Expansion Module Suprvsn	0 9	0 5	[10] <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	—	—
Duress	9 2	— —	[10] <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	—	—
Keypad Panic (1 & *)	9 5	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	—	—
Keypad Panic (3 & #)	9 6	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	—	—
Keypad Panic (* & #)	9 9	0 7	[10] <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	—	—

*Zone 1 can be used as a 2-wire Fire zone.

**Zone 7 can be used for optional Keyswitch; shows as 77 for Zone Type (ZT)

*** Zone 8 can be used as a Glassbreak zone.

EXPANSION ZONES: Assign zone numbers (Zn) 10–17 to 4219/4229 Auxiliary Wired Loops A–H, if used.
RF zones can use zone numbers (Zn) 10–39

**ENTER FOR
RF ONLY**

ZONE DESCRIPTION	ZONE No. (Zn)	ZONE TYPE (ZT)	ALARM RPT CODE (Hex) (RC)	INPUT LEARNED TYPE RF INPUT	
				(In)	(L)
4219/4229 Loop A 1st Exp'n Zone or RF Zones	1 0				
	1 1				
	1 2				
	1 3				
	1 4				
	1 5				
	1 6				
	1 7				
RF Zones	1 8				
	1 9				
	2 0				
	2 1				
	2 2				
	2 3				
	2 4				
RF Zones	2 5				
	2 6				
	2 7				
	2 8				
	2 9				
	3 0				
	3 1				
	3 2				
	3 3				
	3 4				
	3 5				
	3 6				
	3 7				
	3 8				
	3 9				

EXPLANATION OF ZONE ASSIGNMENT TABLE HEADINGS

Zn = ZONE No. Zone Nos. are from 01 to 39, 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 (5800), use Zone Nos. 10-39.

ZT = ZONE TYPE

00 = Not Used	05 = Trouble Day/Alarm Night	20 = Arm–Home
01 = Entry/Exit #1	06 = 24 Hr Silent	21 = Arm–Away
02 = Entry/Exit #2	07 = 24 Hr Audible	22 = Disarm
03 = Perimeter	08 = 24 Hr Aux	23 = No Alarm Response
04 = Interior Follower	09 = Fire	24 = Silent Burglary
	10 = Interior w/Delay	

DEFAULT VALUES				
Zn:	01	02	03	04
ZT:	[09]	[01]	[01]	[03]
Zn:	05	06	07	08 99
ZT:	[03]	[03]	[04]	[04] [07]

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 as the first digit, there will be no report for that zone.
For contact ID reporting, this is enabling code only. Enter any hex digit (other than 00) in the first pair of boxes. The second pair of boxes is ignored.

In = LOOP INPUT TYPE HW: Hard Wire
AW: Aux Wire (4219 or 4229)
Enter 2 for AW: Auxiliary wired
Enter 3 for RF: Supervised RF
Enter 4 for UR: Unsupervised RF
Enter 5 for BR: Button Type RF

Hard wire zone input types are automatically assigned.
--

RT = RESPONSE TIME 0 = 10msec; 1 = 350 msec; 2 = 700 msec. Default Values for zones 01 – 08 = 1 (350 msec)
L = LEARNED RF INPUT Used with 5800 RF Loop Input Devices. Record transmitter input number.

TO PROGRAM SYSTEM STATUS, & RESTORE REPORT CODES (*59- *76, & *89):

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 3 2 (two digits), enter:

For Code B 2 (Hexadecimal), enter:

SYSTEM STATUS REPORT CODES (*59- *68)

- *59 EXIT ERROR REPORT CODE [0]
- *60 TROUBLE REPORT CODE [10]
- *61 BYPASS REPORT CODE [00]
- *62 AC LOSS REPORT CODE [00]
- *63 LOW BAT REPORT CODE [10]
- *64 TEST REPORT CODE [00]
- *65 OPEN REPORT CODE [0] †
- *66 ARM AWAY/HOME RPT CODE [00] ††
AWAY HOME

† 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.

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

- *67 RF XMTR LOW BAT REPORT CODE [10]
- *68 CANCEL REPORT CODE [10]

RESTORE REPORT CODES (*70- *76)

- *70 ALARM RESTORE RPT CODE [1]
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 RPT CODE [10]
- *72 BYPASS RESTORE RPT CODE [00]
- *73 AC RESTORE RPT CODE [00]
- *74 LOW BAT RESTORE RPT CODE [10]
- *75 RF XMTR LO BAT RST RPT CODE [10]
- *76 TEST RESTORE RPT CODE [00]

OUTPUT AND SYSTEM SETUP (*80 - *93)

*80 OUTPUT RELAYS AND POWERLINE CARRIER DEVICES	Program only if Relays and/or Powerline Carrier devices are to be used. See next page.
*81 ZONE LISTS FOR OUTPUT DEVICES	

- *82 CUSTOM ALPHA EDITING: (Also entered from field *56): See procedure in instructions.
- *83 SEQUENTIAL LEARN MODE (Also entered from field *56): See procedure in instructions.
- *88 PAGER CHARACTERS (16 digits as user decides)

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Error!

- *89 EVENT LOG 80% FULL RPT CODE [00]
- *90 EVENT LOGGING [15]
0 = None; 1 = Alarm/Alarm Restore; 2 = Trouble/Trouble Restore; 4 = Bypass/Bypass Restore; 8 = Open/Close.
Example: To select "Alarm/Alarm Restore", and "Open/Close", enter 9 (1 + 8); To select all, enter #15.
Note: System messages are logged when any non-zero selection is made.
- *91 OPTION SELECTION (AAV) [8]
0 = None; 4 = AAV; "0" for UL installations. 8 = Enable Exit Delay Restart; 12 = Both enabled.
- *92 PHONE LINE MONITOR ENABLE [0]
0 = Not used
1 = Keypad display when line is faulted
2 = Keypad display plus keypad trouble sound
3 = Same as "2", plus Device #2 STARTS. If armed, external sounder activates also.
Note: Device #2 must either be programmed to be STOPPED in field *80 or STOPPED by Code + # + 8 + 2.
- *93 No. OF REPORTS IN ARMED PERIOD [0]
0 = 10 Alarm/Alarm Restore Reports; 1 = Unlimited.
"1" for UL installations.

DOWNLOAD INFORMATION (*94, *95)

- *94 DOWNLOAD PHONE No.

Enter up to 20 digits, 0-9; #+11 for '*'; #+12 for '#'; # + 13 for a pause. Do not fill unused spaces. If fewer than 16 digits entered, exit field by pressing * (and press 95, if entering next field). To clear entries from field, press *94*.
Note: In UL installations, downloading may only be performed if a technician is at the site.
- *95 RING DET COUNT FOR DOWNLOADING [15]
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)
Note: Do not enter "0" if using 4285/4286 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: Installer Code + 8 + 0 + 0. If *98 is used to exit programming mode, system must be powered down, and method 1 above used to enter the programming mode.
- *99 Exits programming mode and allows re-entry by: Installer Code + 8 + 0 + 0 or: Power-up, then press "*" and "#" within 50 seconds of power up.

OUTPUT RELAYS/POWERLINE CARRIER DEVICES WORKSHEET FOR *80, and *81.

Applicable only if Relays and/or Powerline Carrier Devices are to be used.

***80 OUTPUT DEVICES** – 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. For Relays, field *25 must be programmed for a 4229 (Relays 01 and 02), OR for a 4204 (Relays 01 to 04).

2. For Powerline Carrier devices, field *27 must be programmed with a House Code.

3. Tamperers of expansion units cannot be used to operate devices.

DEVICE NUMBER	ACTION (A)	S T A R T = either or both -				S T O P = either or both -		X-10 SELECT
		EVENT (EV)	ZONE LIST (ZL)	ZONE TYPE SYST OP'N (ZT)		RESTORE of ZONE LIST (ZL)	ZONE TYPE /SYST OP'N (ZT)	
OUTPUT RELAY OR P.L.C.D.* 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"/>
OUTPUT RELAY OR P.L.C.D.* 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"/>
OUTPUT RELAY OR P.L.C.D.* 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"/>
OUTPUT RELAY OR P.L.C.D.* 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"/>
P.L.C.D.* 05	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P.L.C.D.* 06	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P.L.C.D.* 07	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P.L.C.D.* 08	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

* P.L.C.D. = Powerline Carrier Device (X-10).

Where:

X-10 SELECT = **Powerline Carrier Device** Enter "1" if Powerline Carrier Device is being used, enter "0" if relay is being used.

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, device action will START.

"STOP" RESTORE of ZONE LIST: Upon restore of ALL zones on this list, device action will STOP. It need not be same list as used for START.

NOTE: Do not use input type "BR" transmitters in a zone list to STOP a relay action, since these transmitters do not send restores.

ZT = ZONE TYPE/SYSTEM OPERATION

Choices for Zone Types are:

- | | |
|------------------------------|-----------------------|
| 00 = Not Used | 06 = 24 Hr Silent |
| 01 = Entry/Exit#1 | 07 = 24 Hr Audible |
| 02 = Entry/Exit#2 | 08 = 24 Hr Aux |
| 03 = Perimeter | 09 = Fire Trouble |
| 04 = Interior Follower | 10 = Interior w/Delay |
| 05 = Trouble Day/Alarm Night | 24 = Silent Burglary |

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-Home | 38 = Chime | 52 = Kissoff |
| 21 = Arming-Away | 39 = Any Fire Alarm | 58 = Duress |
| 22 = Disarming (Code + OFF) | 40 = Bypassing | |
| 31 = End of Exit Time | 41 = AC Power Failure | |
| 32 = Start of Entry Time | 42 = System Battery Low | |
| 33 = Any Burglary Alarm | 43 = Communication Failure | |
| 36 = At Bell Timeout** | | |

Note: In normal operation mode:
Code + # + 7 + N Key Entry starts Device N.
Code + # + 8 + N Key Entry stops Device N.

** Or at Disarming, whichever occurs earlier.

***81 ZONE LISTS FOR OUTPUT DEVICES** – This is an interactive mode. Fill in the required data on the worksheet below and follow the procedure in the installation manual as you enter the data during the displays and prompts that appear in sequence.

Note: Record desired zone numbers below. 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 AND/OR assignment of Chime zones (enter 00 to end entries)

, , , , , , , , ,
...etc.

SPECIAL MESSAGES

OC = OPEN CIRCUIT (no communication between Console and Control).

EE or **ENTRY ERROR** = ERROR (invalid field number entered; re-enter valid field number).

After powering up, **AC**, **dI** (disabled) or **Busy Standby** and **NOT READY** will be displayed after approximately 4 seconds. This will revert to **READY** in appx. 1 minute, which allows PIRS, etc. to stabilize.

To bypass this delay, press: [#] + [0].

If **E4** or **E8** appears, more zones than the expansion units can handle have been programmed. Correct the programming and then completely de-power and re-power the control to clear this indication and remove the disable indication.

TO ENTER PROGRAMMING MODE:

1. POWER UP, then depress [*] and [#] both at once, within 50 seconds of powering up.
OR
2. Initially, key: **Installer Code (4 + 1 + 1 + 2)** plus **8 + 0 + 0**.
OR
3. If different **Installer Code** is programmed, key: **New Installer Code + 8 + 0 + 0**.
(if *98 was used to exit previously, method 1 above must be used to enter the program mode again)

TO EXIT PROGRAMMING MODE:

- *98 Exits programming mode and *prevents* re-entry by: Installer Code + 8 + 0 + 0. If *98 is used to exit programming mode, system must be powered down, and method 1 above used to enter the programming mode.
- *99 Exits programming mode and *allows* re-entry by: Installer Code + 8 + 0 + 0 or: Power-up, then press "*" and "#" within 50 seconds of power up.



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