

Features Q.E.D. programming for quick enrollment of devices.



LYNX

Security System

Programming Form & Summary of Connections

ALPHA DRAFT

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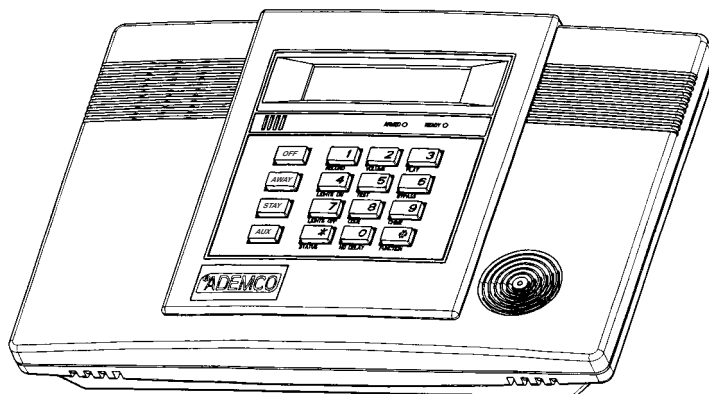


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Refer to the Installation Instructions for detailed information on programming the LYNX system, including full descriptions of all data fields.

TO ENTER PROGRAMMING MODE:

1. Power up, then depress [*****] and [**#**] both at once, within 50 seconds of powering up.
OR
2. For factory defaulted system, enter: **Installer Code (4 + 1 + 1 + 2) plus 8 + 0 + 0.** OR
If different **Installer Code** is programmed, enter: **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)
3. Upon entry into Program mode, data field *20 will be displayed (the first data filed in the system) and both keypad LEDs will flash.

TO PROGRAM THE DATA FIELDS:

1. Press [*****] followed by the desired field number (e.g., *21), then make the required entry.
2. The keypad beeps three times after entering data, then displays the next data field in sequence.
3. For phone number and account number fields, press [*****] to end the entry if less than number maximum number of digits is entered.
4. To delete an entry, simply press [*****] plus that field number and reenter the correct data. For phone number and account number fields *40-*44 and *94, press [*****] + field number + [*****].

INTERACTIVE MENU MODES:

There are six interactive menu modes as listed below. To enter these modes, first enter Program mode. While in Program mode, press [*****] plus the mode number desired (e.g., *56).

- *56 Zone Programming For programming zone characteristics, report codes, etc.
- *80 Device Programming For programming Powerline Carrier Devices
- *81 Zone List Programming For programming zone lists for use with Powerline Carrier Devices
- *83 Sequential Mode For entering transmitter serial numbers
- *84 Assign Zone Voice Descriptors..... For assigning voice descriptors to zones
- *85 Record Custom Voice Descriptors..... For recording custom voice descriptors

TO LOAD A DEFAULT SET:

While in Program mode, press *97, then enter a number 1-5 corresponding to the default table desired. See the Installation Instructions for the default tables. Enter 0 to exit *97.

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, then press [*****] and [**#**] within 50 seconds of power up to re-enter 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.

LYNX

DATA FIELDS

Field	Function	Programmed Values	[] = Table 1 Default Values
SYSTEM SETUP (★ 20– ★ 30)			
★20	INSTALLER CODE	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> [4112] Enter 4 digits, 0–9	
★21	QUICK ARM ENABLE	<input type="text"/> † [1] 0 = no; 1 = yes	
★22	KEYPAD BACKLIGHT TIMEOUT	<input type="text"/> [0] 0 = none (backlighting always on); 1 = backlight off after 10secs	
★23	FORCED BYPASS	<input type="text"/> † [0] 0 = none; 1 = bypass open zones UL installations = 0	
★24	RF HOUSE ID CODE	<input type="text"/> <input type="text"/> [10] 00 = disable all wireless keypad usage; 01–31 = 5827house ID	
★25	POWERLINE CARRIER DEVICE HOUSE CODE	<input type="text"/> [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	
★26	CHIME BY ZONE	<input type="text"/> † [1] 0 = no; 1 = yes (program zones to chime on zone list 3)	
★27	REAL TIME CLOCK DISPLAY	<input type="text"/> † [1] 0 = no; 1 = yes, display time on keypad	
★29	DAYLIGHT SAVING TIME START/END MONTH	<input type="text"/> <input type="text"/> [4, 10] Start End 1-9, #+10, #+11, #+12. Enter 0,0 if no daylight savings time used.	
★30	DAYLIGHT SAVING TIME START/END WEEKEND	<input type="text"/> <input type="text"/> [1,5] Start End 0 = disable; 1=first; 2=second; 3=third; 4=fourth; 5=last; 6=next to last; 7=third from last	
ZONE SOUNDS AND TIMING (★ 31– ★ 39)			
★31	SINGLE ALARM SOUNDING/ZONE	<input type="text"/> † [0] 1 = yes, limit once per arming period; 0 = no limit; UL installations = 0	
★32	FIRE SOUNDER TIMEOUT	<input type="text"/> † [0] 0 = timeout; 1 = no timeout	
★33	ALARM BELL TIMEOUT	<input type="text"/> † [1] 0 = none; 1=4 min; 2=8 min; 3=12 min; 4 = 16 min; UL installations = 1 (4 min) minimum	

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

Field	Function	Programmed Values	[] = Table 1 Default Value
★34	EXIT DELAY	<input type="text"/> <input type="text"/> † [70] 00-99 = exit delay time (in seconds).	
★35	ENTRY DELAY 1 (zone type 01)	<input type="text"/> <input type="text"/> † [30] 00-99 = entry delay time (in seconds); UL installations = 20 seconds max.	
★36	ENTRY DELAY 2 (zone type 02)	<input type="text"/> <input type="text"/> † [60] 00-99 = entry delay 2 time (in seconds); UL installations = 50 seconds max.	
★37	AUDIBLE EXIT WARNING / QUICK EXIT	<input type="text"/> <input type="text"/> † [1, 1] Exit Warn Quick Exit 0 = no; 1 = yes	
★38	CONFIRMATION OF ARMING DING	<input type="text"/> † [0] 0 = no; 1 = yes (when armed by self-contained keypad or RF) 2 = yes (when armed by RF keypad only).	
★ 39	POWER UP IN PREVIOUS STATE	<input type="text"/> † [1] 0 = no; 1 = yes; UL installations = 1	

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

DIALER PROGRAMMING (★ 40– ★ 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 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 24 digits; Do not fill unused spaces. If fewer than 24 digits entered, exit by pressing ★ (and press 43, if entering next field). To clear entries from field, press ★42★ .

For fields ★43 , ★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: 1 2 3 4 ; For Acct. **B234**, enter: #+11 2 3 4

For Acct. **123**, enter: 1 2 3 ★

Field	Function	Programmed Values	[] = Table 1 Default Value
★43	PRIMARY SUBS ACCT #	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	See note on previous page
★44	SECONDARY SUBS ACCT #	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	See note on previous page
★47	PHONE SYSTEM SELECT	<input type="text"/> † [1]	If Cent. Sta. <i>IS NOT</i> on a WATS line: 0 = Pulse Dial; 1 = Tone Dial; if Cent. Sta. <i>IS</i> on a WATS line: 2 = Pulse Dial ; 3 = Tone
★48	REPORT FORMAT	<input type="text"/> <input type="text"/> [7, 0]	Primary Secondary 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
★49	SPLIT/DUAL REPORTING	<input type="text"/> [0]	0 = Disable (Backup report only)
** Pager Message A 7-digit code (plus optional 16-digit prefix) is sent to the pager consisting of a 3-digit event code, followed by 00 and a 2-digit user or zone number. See Installation Instructions for an explanation of the pager code, which takes the following form: AAAAAAAAAAAAAAAA-EEE-00NN Where: AAA... = optional 16 digits (see field *88) EEE = 3-digit event code: 911 (alarm), 101 (open), 102 (close), 811 (trouble) 00 = always displayed NN = 2-digit user number or zone number depending on type of event (EEE) that occurred		TO PRIMARY PHONE No. 1 = Alarms, Restore, Cancel 2 = All except Open/Close, Test 3 = Alarms, Restore, Cancel 4 = All except Open/Close, Test 5 = All TO PRIMARY PHONE No. 6 = All except Open/Close 7 = All reports 8 = All reports 9 = All except Open/Close	TO SECONDARY PHONE No. Others Open/Close, Test All All All TO PAGING No. (Secondary) ** Alarms, Open/Close, Troubles ** Alarms, Troubles ** Alarms, Open/Close, Troubles ** Open/Close for users 5-8 or wireless arm/disarm button zones 34-41, users 1-4 and buttons 26-33 do not send open/close.
★50	15 SEC DIALER DELAY (BURG)	<input type="text"/> † [0]	0 = no; 1 = yes; UL installations = 0
★51	PERIODIC TEST REPORT	<input type="text"/> † [0]	0 = none; 1 = 24 hours; 2 = weekly; 3 = 30 days (enter Test Code in field *64)
★52	FIRST TEST REPORT OFFSET	<input type="text"/> † [2]	0 = 24 hour; 1 = 6 hours; 2 = 12 hours; 3 = 18 hours (Time to 1st report from power up/programming or downloading).
★53	SESCOA/RADIONICS SELECT	<input type="text"/> [0]	0 = Radionics (0–9, B–F reporting); 1 = SESCOA (0–9 only reporting). Select 0 for all other formats.
★ 56	ZONE PROGRAMMING		See procedure later in this form and refer to the Installation Instructions.

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

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 *second* box will result in automatic advance to the next field when programming.

A "0" (*not* "#+10") in *both* boxes will disable the report.

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

For Code **B 2** (Hexadecimal), enter:

#+11	2
------	---

Field	Function	Programmed Values	[] = Table 1 Default Value
1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4
5	5	5	5
6	6	6	6
7	7	7	7
8	8	8	8
9	9	9	9
10	10	10	10
11	11	11	11
12	12	12	12
13	13	13	13
14	14	14	14
15	15	15	15
16	16	16	16
17	17	17	17
18	18	18	18
19	19	19	19
20	20	20	20
21	21	21	21
22	22	22	22
23	23	23	23
24	24	24	24
25	25	25	25
26	26	26	26
27	27	27	27
28	28	28	28
29	29	29	29
30	30	30	30
31	31	31	31
32	32	32	32
33	33	33	33
34	34	34	34
35	35	35	35
36	36	36	36
37	37	37	37
38	38	38	38
39	39	39	39
40	40	40	40
41	41	41	41
42	42	42	42
43	43	43	43
44	44	44	44
45	45	45	45
46	46	46	46
47	47	47	47
48	48	48	48
49	49	49	49
50	50	50	50
51	51	51	51
52	52	52	52
53	53	53	53
54	54	54	54
55	55	55	55
56	56	56	56
57	57	57	57
58	58	58	58
59	59	59	59
60	60	60	60
61	61	61	61
62	62	62	62
63	63	63	63
64	64	64	64
65	65	65	65
66	66	66	66
67	67	67	67
68	68	68	68
69	69	69	69
70	70	70	70
71	71	71	71
72	72	72	72
73	73	73	73
74	74	74	74
75	75	75	75
76	76	76	76
77	77	77	77
78	78	78	78
79	79	79	79
80	80	80	80
81	81	81	81
82	82	82	82
83	83	83	83
84	84	84	84
85	85	85	85
86	86	86	86
87	87	87	87
88	88	88	88
89	89	89	89
90	90	90	90
91	91	91	91
92	92	92	92
93	93	93	93
94	94	94	94
95	95	95	95
96	96	96	96
97	97	97	97
98	98	98	98
99	99	99	99
100	100	100	100

★59	EXIT ERROR REPORT CODE	<input type="text"/>	2nd digit is automatically sent as 2nd digit of the zone alarm report code programmed in ★56, if expanded or 4+2 reporting is selected.
★60	TROUBLE REPORT CODE	<input type="text"/>	
★61	BYPASS REPORT CODE	<input type="text"/>	
★62	AC LOSS REPORT CODE	<input type="text"/>	
★63	LOW BAT REPORT CODE	<input type="text"/>	
★64	TEST REPORT CODE	<input type="text"/>	
★65	OPEN REPORT CODE	<input type="text"/>	††
★66	ARM AWAY/STAY RPT CODE	<input type="text"/>	<input type="text"/> †† (†† 2nd digit is automatically sent as the user number if expanded or 4+2 reporting is selected.)
		AWAY	STAY
★67	RF XMTR LOW BAT REPORT CODE	<input type="text"/>	
★68	CANCEL REPORT CODE	<input type="text"/>	

★70	ALARM RESTORE RPT CODE	<input type="text"/>	2nd digit is automatically sent as 2nd digit of the zone alarm report code programmed in ★56, if expanded or 4+2 reporting is selected.
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★71	TROUBLE RESTORE RPT CODE	<input type="text"/>	<input type="text"/>
★72	BYPASS RESTORE RPT CODE	<input type="text"/>	<input type="text"/>
★73	AC RESTORE RPT CODE	<input type="text"/>	<input type="text"/>
★74	LOW BAT RESTORE RPT CODE	<input type="text"/>	<input type="text"/>
★75	RF XMTR LO BAT RST RPT CODE	<input type="text"/>	<input type="text"/>
★76	TEST RESTORE RPT CODE	<input type="text"/>	<input type="text"/>

***80 POWERLINE CARRIER DEVICES** Program *80 and *81 only if Powerline Carrier Devices or chime by zone are to be used. See procedure later in this manual.

***81 ZONE LISTS FOR DEVICES**

★85 RECORD CUSTOM VOICE DESCRIPTORS. See procedure later in this manual.

Field	Function	Programmed Values	[] = Table 1 Default Value
★87	AUX FUNCTION/ 1-BUTTON PAGING	<input type="checkbox"/> [0] 0 = Aux key performs defined function (macro); 1 = Aux key sends message (999-9999) to pager If 1, you must also select an option 6-9 in field *49.	
★ 88	PAGER CHARACTERS	<div> <input type="text"/><input type="text"/><input type="text"/><input type="text"/><input type="text"/><input type="text"/><input type="text"/><input type="text"/><input type="text"/><input type="text"/> <input type="text"/><input type="text"/><input type="text"/><input type="text"/><input type="text"/><input type="text"/><input type="text"/><input type="text"/><input type="text"/><input type="text"/> </div> <p>Up to 16 digits can be entered that will appear in front of the 7-digit pager message sent by the control (either upon system event or upon pressing AUX key [if programmed for paging]; see field *87 and *49 for other options regarding the paging feature). See the Installation Instructions (fields *87, *88 and *49) for full descriptions of the paging feature.</p> <p>You do not need to fill all 16 digits (press [*] + next field number to exit field).</p> <p>To enter “*” = [#] + [11]; To enter “#” = [#] + 12</p> <p>To enter 2-second pause = [#] + [13] (some pagers require an additional delay [pause] in order to receive the entire message)</p>	
★89	EVENT LOG 80% FULL RPT CODE	<input type="text"/> <input type="text"/>	
★90	EVENT LOGGING	<input type="checkbox"/> [3] 0 = None; 1 = Alarm/Alarm Restore; 2 = Trouble/Trouble Restore; 4 = Bypass/Bypass Restore; 8 = Open/Close. <i>Example:</i> 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	FUTURE USE	<input type="checkbox"/> [0] Must be 0. If inadvertently enabled, the Contact ID event code 606 may be sent to the central station after an alarm report.	
★92	No. OF REPORTS IN ARMED PERIOD	<input type="text"/> [0] 0 = 10 Alarm/Alarm Restore Reports; 1 = Unlimited. UL installations = 1	
DOWNLOAD INFORMATION (*93,*94,*95)			
★93	FLEXIBLE CALLBACK	<input type="checkbox"/> [0] 0 = No flexible callback; 1 = Last digit flexible; 2 = Last 2 digits flexible; 3 = Last 3 digits flexible	
★94	DOWNLOAD PHONE No.	<div> <input type="text"/><input type="text"/><input type="text"/><input type="text"/><input type="text"/><input type="text"/><input type="text"/><input type="text"/><input type="text"/><input type="text"/> <input type="text"/><input type="text"/><input type="text"/><input type="text"/><input type="text"/><input type="text"/><input type="text"/><input type="text"/><input type="text"/><input type="text"/> </div> <p>Enter up to 20 digits, 0–9; #+11 for '*'; #+12 for '#'; #+13 for a pause. Do not fill unused spaces. If fewer than 20 digits entered, exit field by pressing ★ (and press 95, if entering next field). To clear entries from field, press ★94★.</p> <p>Note: In UL installations, downloading may only be performed if a technician is at the site.</p>	
★95	RING DETECT COUNT FOR DOWNLOADING	<input type="checkbox"/> [0] 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 SELECT 1 OF 5 DEFAULT OPTION SETUPS. Enter 1-5 to select from default tables 1-5. Enter 0 to abort.
- ★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, then press "★" and "#" within 50 seconds of power up to re-enter 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.

*56 ZONE PROGRAMMING PROCEDURE

Use this mode to program zone information. Press *56 while in programming mode. **NOTE:** Entry of a number other than one specified will give unpredictable results.

A0 I

ZONE NUMBER

Enter the 2-digit zone number to be programmed: • Zone 1 = hard wire zone
[*] = Continue • Zones 2-25 = RF transmitter zones
00 = exit zone programming mode; • Zone 26-41 = RF button zones
upon exiting, the prompt "56" blinks; press [*] + any field number to go to that field.

b zt

ZONE TYPE

Enter the 2-digit zone type (zt) for this zone (see table of zone types on worksheet page 13).
[*] = Continue
[#] = Return to previous prompt

C rc

REPORT CODE

Enter the report code (rc) for this zone.
Report consists of 2 hexadecimal digits, each of which consist of 2 numerical digits (A = 10, B = 11, C = 12, D = 13, E = 14, F = 15; see Report Code description on page 6 for explanation of codes).
[*] = Continue; If this is zone 1, the system skips to the VOICE DESCRIPTOR prompt (1C)
[#] = Return to previous prompt

d i

INPUT TYPE

Enter the input type (i) for the transmitter assigned to this zone as follows:
3 = Supervised RF (RF) [*] = Continue
4 = Unsupervised RF (UR) [#] = Return to previous prompt
5 = Button type (BR)

E l L

LOOP NUMBER

Enter the loop number (l) for this zone. If "L" is displayed, the serial number for this transmitter has already been entered. You can keep the serial number and skip to the VOICE DESCRIPTOR prompt, or you can continue to the DELETE SERIAL NUMBER prompt.
0 + [*] = to Delete Serial Number prompt (F)
[*] = Continue to the ENROLL MODE prompt (1A) if not enrolled, or VOICE DESCRIPTOR prompt (1C) if already enrolled.
[#] = Return to previous prompt

F

DELETE SERIAL NUMBER

0 = Keep existing number and proceed to VOICE DESCRIPTOR prompt (1C)
1 = Delete the serial number only. The system will delete the transmitter's serial number and return to the ZONE NUMBER prompt (A).
2 = Delete the serial number and all other zone parameters (zone type, report code, etc.). The system will delete the transmitter's serial number and all zone information, then return to ZONE NUMBER prompt (A).

IA

ENROLL MODE

0 = Skip to the VOICE DESCRIPTOR prompt (1C). If zone type is "00," then skips to DELETE SERIAL NUMBER prompt instead.
1 = Enroll now and proceed to SERIAL NUMBER prompt (1b)

Ib

SERIAL NUMBER

Enter the transmitter's 7-digit serial number (printed on the transmitter). If you enter an incorrect digit, press the [#] key to backup to that digit and reenter the correct digit.

When all 7 digits are entered, press the [*] key. Each digit will be re-displayed, and the keypad will beep once for digits 1-6, 3 times for the last digit. If less than 7 digits are entered, the un-entered digits will display "F." If too many digits have been entered, the first 6 digits will be saved, along with the last digit that was entered (entering 123456789 yields serial number 1234569).

If the serial number is correct, press [*] again to save it and advance to the next prompt (1C) or, if the zone type is 00, will return to the DELETE SERIAL NUMBER PROMPT (F).

If the serial number is not correct, press [#], which deletes the number and returns to the ENROLL MODE prompt (1A), allowing you to reenter the number.

IC	VOICE DESCRIPTOR 0 = Skip to next zone (A) 1 = Enter descriptor mode (existing zone descriptor will be announced, then descriptor 1 will be repeated)
Id vv	DESCRIPTOR 1 Enter [#] + 2-digit vocabulary index [†] number (vv) of first descriptor word for this zone. 6 = accept word and advance to descriptor 2 (descriptor 2 will be announced) 8 = accept word and advance to next zone (prompt A) – zone descriptor will be announced Press any other key to repeat the selected word
IE vv	DESCRIPTOR 2 Enter [#] + 2-digit vocabulary index [†] number (vv) of second descriptor word for this zone. 6 = accept word and advance to descriptor 3 (descriptor 3 will be announced) 8 = accept word and advance to next zone (prompt A) – zone descriptor will be announced Press any other key to repeat the selected word
IF vv	DESCRIPTOR 3 Enter [#] + 2-digit vocabulary index [†] number (vv) of third descriptor word for this zone. 6 or 8 = accept word and advance to next zone (prompt A) – zone descriptor will be announced Press any other key to repeat the selected word

[†] See *84 ASSIGN ZONE VOICE DESCRIPTORS section for Vocabulary Index.

*80 POWERLINE CARRIER DEVICE PROGRAMMING

Use this mode to program Powerline Carrier Devices or zone lists for Chime by Zone feature. Press *80 while in programming mode. **NOTE:** Entry of a number other than one specified will give unpredictable results.

80	Powerline Carrier Device Programming 0 = Exit mode, upon which this prompt blinks. Press [*] + any field number to go to that field. 1 = Enter mode
A0 I	DEVICE NUMBER Enter the 2-digit device number (01-08) to be programmed [*] = Continue 00 = Exit Device Programming mode (displays blinking 80; enter * + desired data field or menu mode number)
b aa	DEVICE ACTION Enter the 1-digit action, 0-3, for the device being programmed (current action is displayed). 0 = No response 1 = Close for 2 seconds 2 = Close and stay closed 3 = Pulse on and off [*] = Continue [#] = Return to previous prompt
C et	START EVENT TYPE (if applicable) Enter the 1-digit start event type, 0-3, for the device being programmed. 0 = Not used 1 = Alarm 2 = Fault 3 = Trouble [*] = Continue [#] = Return to previous prompt
d zl	START ZONE LIST (if applicable) Enter the 1-digit zone list number, 1-3, or 0 if not used, for the device being programmed. [*] = Continue [#] = Return to previous prompt
E zt	START ZONE TYPE (if applicable) Enter the 2-digit start zone type for the device being programmed (see Powerline Carrier Device Worksheet for zone type/system operation codes later in this manual). [*] = Continue [#] = Return to previous prompt
F zl	STOP ZONE LIST (if applicable) Enter the 1-digit zone list number, 1-3, or 0 if not used, for the device being programmed. [*] = Continue [#] = Return to previous prompt
IA zt	STOP ZONE TYPE (if applicable) Enter the 2-digit stop zone type for the device being programmed (see Powerline Carrier Device Worksheet for zone type/system operation codes later in this manual). [*] = Return to Device Number prompt (A) [#] = Return to previous prompt

*81 ZONE LISTS

Use this mode to define zone lists for Powerline Carrier Devices and/or for the chime by zone feature. Press *81 while in programming mode. **NOTE:** Entry of a number other than one specified will give unpredictable results.

8 I

ZONE LIST PROGRAMMING

0 = Exit mode, upon which this prompt blinks. Press [*] + any field number to go to that field.
1 = Enter mode

A 01

ZONE LIST NUMBER

Enter the 2-digit zone list number (01-03) to be programmed (use zone list 03 for chime by zone feature).
[*] = Continue
00 = Exit mode (displays blinking 81; enter * + desired data field or menu mode number)

b zz

ZONE ENTRY TO LIST

Enter the 2-digit zone number (zz) to be added to this zone list.
[*] = Accept zone number and enter the next zone number
00 = Accept zone number and continue to next prompt

C

DELETE ENTIRE ZONE LIST?

0 = Don't delete; continue to next prompt
1 = Delete the current zone list

d

DELETE SPECIFIC ZONES FROM LIST?

0 = Don't delete; continue to next zone list number (prompt A 01)
1 = Continue to delete zones prompt

E

DELETE ZONES

Enter the 2-digit zone number to be deleted from the current zone list
[*] = Delete zone and enter next zone to be deleted
00 = Return to next zone list number (prompt A 01)

*83 SEQUENTIAL MODE

Use this mode to enter transmitter serial numbers. Press *83 while in programming mode. **NOTE:** Entry of a number other than one specified will give unpredictable results.

A 0 I

ZONE NUMBER

Enter the 2-digit zone number of the first transmitter to have its serial number entered.
[*] = Continue; system searches for zones not yet entered, then goes to ENROLL SERIAL NUMBER prompt (C)
00 = Exit Sequential mode, upon which the prompt "83" blinks. Press [*] + any field number to go to that field.

b zz

ENROLL ZONE?

0 = return to ZONE NUMBER prompt (A 01)
1 = yes, enter serial number for this zone

C

ENROLL SERIAL NUMBER

Enter the transmitter's 7-digit serial number (printed on the transmitter). If you enter an incorrect digit, press the [#] key to backup to that digit and reenter the correct digit.

When all 7 digits are entered, press the [*] key. Each digit will be re-displayed, and the keypad will beep once for digits 1-6, 3 times for the last digit. If less than 7 digits are entered, the un-entered digits will display "F." If too many digits have been entered, the first 6 digits will be saved, along with the last digit that was entered (entering 123456789 yields serial number 1234569).

If the serial number is correct, press [*] again to save it and go to next zone to be entered (prompt b).

If the serial number is not correct, press [#], which deletes the number and returns to the ENROLL MODE prompt (1A), allowing you to reenter the number.

*84 ASSIGN ZONE VOICE DESCRIPTORS

Use this mode to assign voice descriptors for each zone. These are the descriptors that are announced when the system announces any event involving a zone number. Press *84 while in programming mode. **NOTE:** Entry of a number other than one specified will give unpredictable results.

84

ASSIGN ZONE VOICE DESCRIPTORS

0 = Exit mode, upon which this prompt blinks. Press [*] + any field number to go to that field.
1 = Enter mode

A zz

ZONE NUMBER

Enter the 2-digit zone number (zz) for which this descriptor is being assigned.

[*] = Continue to next prompt (any existing descriptors will be announced, then descriptor 1 will be repeated.)

00 = Exit Zone Voice Descriptor mode (displays blinking 84; enter * + desired data field or menu mode number)

b vv

DESCRIPTOR 1

Enter [#] + 2-digit vocabulary index number of first descriptor word for this zone.

6 = accept word and advance to descriptor 2 (descriptor 2 will be announced)

8 = accept word and advance to next zone (prompt A....zz) – zone descriptor will be announced
Press any other key to repeat the selected word

C vv

DESCRIPTOR 2

Enter [#] + 2-digit vocabulary index number of second descriptor word for this zone.

6 = accept word and advance to descriptor 3 (descriptor 3 will be announced)

8 = accept word and advance to next zone (prompt A....zz) – zone descriptor will be announced
Press any other key to repeat the selected word

d vv

DESCRIPTOR 3

Enter [#] + 2-digit vocabulary index number of third descriptor word for this zone.

6 or 8 = accept word and advance to next zone (prompt A....zz) – zone descriptor will be announced
Press any other key to repeat the selected word

VOCABULARY INDEX

00 ½ sec pause	F	M	U
01 ALARM	14 FIRE	25 MAIN	40 UPSTAIRS
02 ATTIC	15 FLOOR	26 MASTER	41 UTILITY
	16 FRONT	27 MESSAGE	W
B	G	28 MOTION	42 WINDOW
03 BABY	17 GARAGE	O	Y
04 BACK	18 GUN	29 OFFICE	43 YARD
05 BASEMENT	H	P	Z
06 BATHROOM	19 HALL	30 PATIO	44 ZONES
07 BEDROOM	I	31 POOL	45 1 ST
C	J	32 ROOM	46 2 ND
08 CHECK	K	S	47 3 RD
D	21 KITCHEN	33 SHED	70 Custom Word #1
09 DEN	L	34 SHOP	71 Custom Word #2
10 DETECTOR	22 LAUNDRY	35 SIDE	72 Custom Word #3
11 DINING	23 LIBRARY	36 SLIDING	73 Custom Word #4
12 DOOR	24 LIVING	37 SMOKE	74 Custom Word #5
E		38 STORAGE	99 Blank
13 EMERGENCY		39 SYSTEM	(to erase previously programmed word)

SYSTEM WORDS

(Announced by system – not programmable)

AC LOSS
ARMED
AWAY
BYPASSED
CHIME
DISARMED
DISARM SYSTEM
NOW
EXIT NOW
FAULT
INSTANT
LOW BATTERY
NOT
READY TO ARM
STAY

*85 RECORD CUSTOM VOICE DESCRIPTORS

Use this mode to record up to 5 custom voice descriptors for use with zone announcements. Press *85 while in programming mode. **NOTE:** Entry of a number other than one specified will give unpredictable results.

85

RECORD CUSTOM VOICE DESCRIPTORS

0 = Exit mode, upon which this prompt blinks. Press [*] + any field number to go to that field.
1 = Enter mode

A d

CUSTOM DESCRIPTOR NUMBER

Enter 7 + d + [*], where d = 0-4, each representing custom word 70, 71, 72, 73 or 74 respectively.

Existing descriptor will be announced.

Press [#] to start recorder. Wait for beeps before speaking.

Speak the desired word clearly near the keypad microphone. Recording stops after 1.5 seconds.

6 = Accept word and ready to record next descriptor (prompt A....d)

[#] = Re-record descriptor

00 = Exit Record mode after pressing 6 (displays blinking 85; enter * + desired data field or menu mode number)

Press any other key to repeat the recorded word.

Fill in the required data on this worksheet, then follow the programming procedure in the Installation Instructions.

ZONES ON CONTROL: *See explanation of headings on next page*

Fill in the required data on this worksheet, then follow the programming procedure in the Installation Instructions.

ZONES ON CONTROL: *See explanation of headings on next page*

[illegible]

Zone No. (A 01)	Zone Type (zt)	Alarm Report Code in hex (rc)	Input Type (I)	Loop No. (I)	Transmitter Serial Number	Vocabulary Index
2 6	<input type="text"/> <input type="text"/> [21]	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> [01 00]	<input type="text"/> [5]	<input type="text"/> [3]	<input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/>
2 7	<input type="text"/> <input type="text"/> [22]	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> [01 00]	<input type="text"/> [5]	<input type="text"/> [2]	<input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/>
2 8	<input type="text"/> <input type="text"/> [23]	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> [00 00]	<input type="text"/> [5]	<input type="text"/> [4]	<input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/>
2 9	<input type="text"/> <input type="text"/> [23]	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> [00 00]	<input type="text"/> [5]	<input type="text"/> [1]	<input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/>
3 0	<input type="text"/> <input type="text"/> [21]	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> [01 00]	<input type="text"/> [5]	<input type="text"/> [3]	<input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/>
3 1	<input type="text"/> <input type="text"/> [22]	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> [01 00]	<input type="text"/> [5]	<input type="text"/> [2]	<input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/>
3 2	<input type="text"/> <input type="text"/> [23]	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> [00 00]	<input type="text"/> [5]	<input type="text"/> [4]	<input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/>
3 3	<input type="text"/> <input type="text"/> [23]	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> [00 00]	<input type="text"/> [5]	<input type="text"/> [1]	<input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/>
3 4	<input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/>
3 5	<input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/>
3 6	<input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/>
3 7	<input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/>
3 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"/>	<input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/>
3 9	<input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/>
4 0	<input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/>
4 1	<input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/>

A 01 = ZONE No. Zone Numbers are 01 (wired zone), 2-25 (RF zones), 26-41 (Button zones), 92 (duress), 95, 96, 99 (panic zones).

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.

Enter 3 for RF: Supervised RF
Enter 4 for UR: Unsupervised RF
Enter 5 for BR: Button Type RF

I = LOOP NUMBER Used with 5800 RF Loop Input Devices. Record transmitter loop number. Entries are 1-4, depending on device being used. Refer to the transmitter's instructions for appropriate loop numbers.

- 13 -

POWERLINE CARRIER DEVICES WORKSHEET FOR *80, and *81.

Applicable only if Powerline Carrier Devices are to be used, or chime-by-zone feature is used.

*80 OUTPUT DEVICES

Fill in the required data on the worksheet on below and follow the programming procedure in the Installation Instructions as you enter the data during the displays and prompts that appear in sequence.

Note: Field *25 must be programmed with a House Code.

DEVICE NUMBER	ACTION (aa)	S T A R T either or both			S T O P either or both	
		EVENT TYPE (et)	ZONE LIST (zl)	ZONE TYPE SYST OP'N (zt)	RESTORE ZONE LIST (zl)	ZONE TYPE /SYST OP'N (zt)
P.L.C.D.* 01						
P.L.C.D.* 02						
P.L.C.D.* 03						
P.L.C.D.* 04						
P.L.C.D.* 05						
P.L.C.D.* 06						
SYSTEM 07						
P.L.C.D.* 08						
P.L.C.D.*						

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

Where:

A = DEVICE ACTION 0 = No Response; 1 = Close for 2 sec; 2 = Close and stay closed; 3 = Pulse on and off.

ET = EVENT TYPE 0 = Not used; 1 = Alarm; 2 = Fault; 3 = Trouble.

Z L = 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 restore signals.

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

* Or at Disarming, whichever occurs earlier.

Note: In normal operation mode:

For Devices 1-6:

Function Lights On + N

Function Lights Off + N

For Devices 7 and 8:

Code + # + 4 + N

Code + # + 7 + N

N = device (unit) number

(Entry **starts** Device N)

(Entry **stops** Device N)

*81 ZONE LISTS FOR OUTPUT DEVICES

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).

[28] [32] .etc.

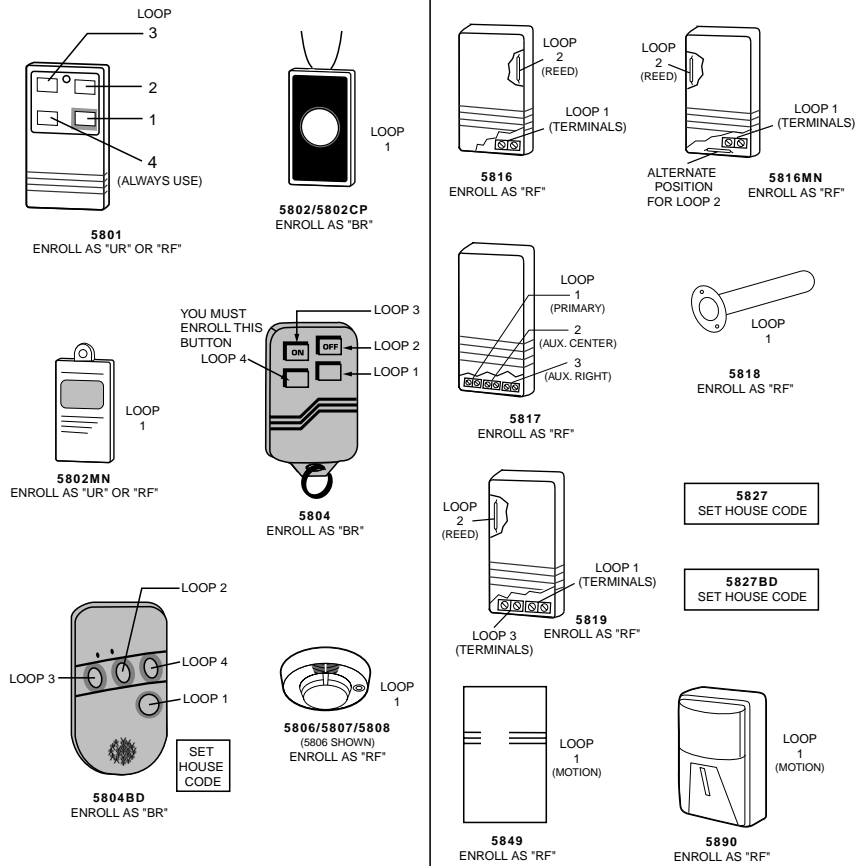
Zone List 2: Started or stopped by zone numbers (enter 00 to end entries).

[illegible]

Zone List 3: Started or stopped by zone numbers AND/OR assignment of Chime zones (enter 00 to end entries)

[02] [03] [04] [05] [06] [07] [08] [09] [10] [11] [12] [13] [14] [15] [16] [17] [18] [19] [20] [21] [22] [23] [24] [25] [26] [27] [28] [29] [30] [31] [32] [33] [34] [35] [36] [37] [38] [39] [40] [41] [42] [43] [44] [45] [46] [47] [48] [49] [50] [51] [52] [53] [54] [55] [56] [57] [58] [59] [60] [61] [62] [63] [64] [65] [66] [67] [68] [69] [70] [71] [72] [73] [74] [75] [76] [77] [78] [79] [80] [81] [82] [83] [84] [85] [86] [87] [88] [89] [90] [91] [92] [93] [94] [95] [96] [97] [98] [99] [100] [101] [102] [103] [104] [105] [106] [107] [108] [109] [110] [111] [112] [113] [114] [115] [116] [117] [118] [119] [120] [121] [122] [123] [124] [125] [126] [127] [128] [129] [130] [131] [132] [133] [134] [135] [136] [137] [138] [139] [140] [141] [142] [143] [144] [145] [146] [147] [148] [149] [150] [151] [152] [153] [154] [155] [156] [157] [158] [159] [160] [161] [162] [163] [164] [165] [166] [167] [168] [169] [170] [171] [172] [173] [174] [175] [176] [177] [178] [179] [180] [181] [182] [183] [184] [185] [186] [187] [188] [189] [190] [191] [192] [193] [194] [195] [196] [197] [198] [199] [200] [201] [202] [203] [204] [205] [206] [207] [208] [209] [210] [211] [212] [213] [214] [215] [216] [217] [218] [219] [220] [221] [222] [223] [224] [225] [226] [227] [228] [229] [230] [231] [232] [233] [234] [235] [236] [237] [238] [239] [240] [241] [242] [243] [244] [245] [246] [247] [248] [249] [250] [251] [252] [253] [254] [255] [256] [257] [258] [259] [260] [261] [262] [263] [264] [265] [266] [267] [268] [269] [270] [271] [272] [273] [274] [275] [276] [277] [278] [279] [280] [281] [282] [283] [284] [285] [286] [287] [288] [289] [290] [291] [292] [293] [294] [295] [296] [297] [298] [299] [300] [301] [302] [303] [304] [305] [306] [307] [308] [309] [310] [311] [312] [313] [314] [315] [316] [317] [318] [319] [320] [321] [322] [323] [324] [325] [326] [327] [328] [329] [330] [331] [332] [333] [334] [335] [336] [337] [338] [339] [340] [341] [342] [343] [344] [345] [346] [347] [348] [349] [350] [351] [352] [353] [354] [355] [356] [357] [358] [359] [360] [361] [362] [363] [364] [365] [366] [367] [368] [369] [370] [371] [372] [373] [374] [375] [376] [377] [378] [379] [380] [381] [382] [383] [384] [385] [386] [387] [388] [389] [390] [391] [392] [393] [394] [395] [396] [397] [398] [399] [400] [401] [402] [403] [404] [405] [406] [407] [408] [409] [410] [411] [412] [413] [414] [415] [416] [417] [418] [419] [420] [421] [422] [423] [424] [425] [426] [427] [428] [429] [430] [431] [432] [433] [434] [435] [436] [437] [438] [439] [440] [441] [442] [443] [444] [445] [446] [447] [448] [449] [450] [451] [452] [453] [454] [455] [456] [457] [458] [459] [460] [461] [462] [463] [464] [465] [466] [467] [468] [469] [470] [471] [472] [473] [474] [475] [476] [477] [478] [479] [480] [481] [482] [483] [484] [485] [486] [487] [488] [489] [490] [491] [492] [493] [494] [495] [496] [497] [498] [499] [500] [501] [502] [503] [504] [505] [506] [507] [508] [509] [510] [511] [512] [513] [514] [515] [516] [517] [518] [519] [520] [521] [522] [523] [524] [525] [526] [527] [528] [529] [530] [531] [532] [533] [534] [535] [536] [537] [538] [539] [540] [541] [542] [543] [544] [545] [546] [547] [548] [549] [550] [551] [552] [553] [554] [555] [556] [557] [558] [559] [560] [561] [562] [563] [564] [565] [566] [567] [568] [569] [570] [571] [572] [573] [574] [575] [576] [577] [578] [579] [580] [581] [582] [583] [584] [585] [586] [587] [588] [589] [590] [591] [592] [593] [594] [595] [596] [597] [598] [599] [600] [601] [602] [603] [604] [605] [606] [607] [608] [609] [610] [611] [612] [613] [614] [615] [616] [617] [618] [619] [620] [621] [622] [623] [624] [625] [626] [627] [628] [629] [630] [631] [632] [633] [634] [635] [636] [637] [638] [639] [640] [641] [642] [643] [644] [645] [646] [647] [648] [649] [650] [651] [652] [653] [654] [655] [656] [657] [658] [659] [660] [661] [662] [663] [664] [665] [666] [667] [668] [669] [670] [671] [672] [673] [674] [675] [676] [677] [678] [679] [680] [681] [682] [683] [684] [685] [686] [687] [688] [689] [690] [691] [692] [693] [694] [695] [696] [697] [698] [699] [700] [701] [702] [703] [704] [705] [706] [707] [708] [709] [710] [711] [712] [713] [714] [715] [716] [717] [718] [719] [720] [721] [722] [723] [724] [725] [726] [727] [728] [729] [730] [731] [732] [733] [734] [735] [736] [737] [738] [739] [740] [741] [742] [743] [744] [745] [746] [747] [748] [749] [750] [751] [752] [753] [754] [755] [756] [757] [758] [759] [760] [761] [762] [763] [764] [765] [766] [767] [768] [769] [770] [771] [772] [773] [774] [775] [776] [777] [778] [779] [780] [781] [782] [783] [784] [785] [786] [787] [788] [789] [790] [791] [792] [793] [794] [795] [796] [797] [798] [799] [800] [801] [802] [803] [804] [805] [806] [807] [808] [809] [810] [811] [812] [813] [814] [815] [816] [817] [818] [819] [820] [821] [822] [823] [824] [825] [826] [827] [828] [829] [830] [831] [832] [833] [834] [

5800 SERIES LOOP NUMBERS



SPECIAL MESSAGES

EE = DATA ENTRY ERROR (invalid field number entered while in programming mode; re-enter valid field number).

FC = Communication Failure

EA = Exit Alarm

CA = Cancel Alarm

CC = Modem Communication (system is in communication with the central station)

After powering up, **AC, dl** (disabled) will be displayed after approximately 4 seconds. This will revert to the Real-time Clock in approximately 1 minute, which allows PIRS, etc. to stabilize. To bypass this delay, press: **[#] + [0]**.

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ADEMCO
GROUP

LYNX SUMMARY OF CONNECTIONS

