

LYNX

LYNX-R

Security System

Programming Form & Summary of Connections

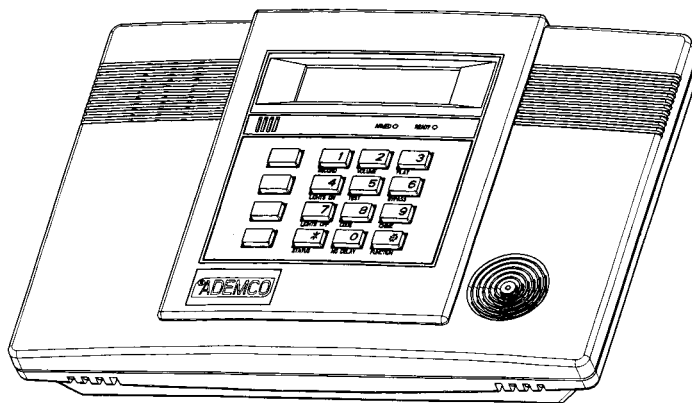


TABLE OF CONTENTS

DATA FIELDS.....	3
*56 ENHANCED ZONE PROGRAMMING.....	8
*80 DEVICE PROGRAMMING.....	9
*81 ZONE LISTS.....	10
*83 ENHANCED SEQUENTIAL MODE	10
*84 ASSIGN ZONE VOICE DESCRIPTORS	11
VOCABULARY INDEX (for *84 Assign Zone Voice Descriptors)	11
*85 RECORD CUSTOM VOICE DESCRIPTORS.....	11
*56 ENHANCED ZONE PROGRAMMING WORKSHEET	12
POWERLINE CARRIER DEVICE WORKSHEET FOR *80 and *81	14
5800 SERIES TRANSMITTER LOOP DESIGNATIONS DIAGRAM	15
SPECIAL MESSAGES.....	15
LYNX SUMMARY OF CONNECTIONS DIAGRAM.....	16

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



LYNX-R is not intended for UL985 Household Fire applications.

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, *88 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 Enhanced Zone Programming..... For programming zone characteristics, report codes, etc.
- *80 Device Programming
- *81 Zone List Programming
- *83 Enhanced Sequential Mode
- *84 Assign Zone Voice Descriptors.....
- *85 Record Custom Voice Descriptors.....

TO LOAD A DEFAULT SET:

While in Program mode, press *97, then enter a number 1-4 corresponding to the default table desired. See the Installation Instructions for the default tables. Enter 0 to exit *97 without loading a default table.

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 & LYNX-R

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"/> [00] 00 = disable all wireless keypad usage; 01–31 = 5827/5827BD/5804BD house 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 (also applies to long range radio output if "0" is selected in *91 field); 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
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- ★34 EXIT DELAY † [70]
00-99 = exit delay time (in seconds).
UL installations = 60 seconds max.
- ★35 ENTRY DELAY 1 (zone type 01) † [30]
00-99 = entry delay time (in seconds);
UL installations = 45 seconds max.
- ★36 ENTRY DELAY 2 (zone type 02) † [60]
00-99 = entry delay 2 time (in seconds);
UL installations = 45 seconds max.
- ★37 AUDIBLE EXIT WARNING / QUICK EXIT † [1, 1]
Exit Warn Quick Exit
0 = no; 1 = yes
- ★38 CONFIRMATION OF ARMING DING † [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 † [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, pressing ★ advances to the 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, pressing ★ advances to the 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, pressing ★ advances to the 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, pressing ★ advances to the 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 ★

★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 FORMATfor PRIM./SEC.	<input type="text"/> <input type="text"/> [7, 0]	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
★49	SPLIT/DUAL REPORTING	<input type="text"/> [0]	0 = Disable (Backup report only) 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 SECONDARY PHONE No. Others Open/Close, Test All All All TO PRIMARY PHONE No. 6 = All except Open/Close 7 = All reports 8 = All reports 9 = All except Open/Close TO PAGING** No. (Secondary) Alarms, Open/Close [†] , Troubles Alarms, Troubles Alarms, Open/Close [†] , Troubles Open/Close [†] [†] Will report users 0, 5-8 or wireless arm/disarm button zones 26-33; all other zones and users do not report
** 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			
★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	ENHANCED ZONE PROGRAMMING	See procedure later in this form and refer to the Inst. Instr.	
<div>† Entry of a number other than one specified will give unpredictable results.</div>			
★ 58	RF JAM DETECT	<input type="text"/> [0]	0 = no RF Jam Detection; 1 = RF Jam Detect on, no CS report; 2 = RF Jam Detect on with CS report (if trouble/restore report is enabled in fields *60, *71)

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:

3	0
---	---

For Code **3 2** (two digits), enter:

3	2
---	---

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

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

SYSTEM STATUS REPORT CODES (*59–*68)

Field	Function	Programmed Values		[] = Table 1 Default Value
★59	EXIT ERROR REPORT CODE	<div><div></div><div>[1]</div></div>	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	<div><div></div><div></div></div>	[1,0]	
★61	BYPASS REPORT CODE	<div><div></div><div></div></div>	[0,0]	
★62	AC LOSS REPORT CODE	<div><div></div><div></div></div>	[0,0]	
★63	LOW BAT REPORT CODE	<div><div></div><div></div></div>	[1,0]	
★64	TEST REPORT CODE	<div><div></div><div></div></div>	[1,0]	
★65	OPEN REPORT CODE	<div><div></div><div>††</div></div>	[0] (†† 2nd digit is automatically sent as the user number if expanded or 4+2 reporting is selected.)	
★66	ARM AWAY/STAY RPT CODE	<div><div></div><div></div></div>	<div><div></div><div>††</div></div>	[0,0]
		AWAY	STAY	
★67	RF XMTR LOW BAT REPORT CODE	<div><div></div><div></div></div>	[1,0]	
★68	CANCEL REPORT CODE	<div><div></div><div></div></div>	[1,0]	

RESTORE REPORT CODES (*70–*76)

★70	ALARM RESTORE RPT CODE	<div><div></div></div> [1]	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.
★71	TROUBLE RESTORE RPT CODE	<div><div></div><div></div></div> [1,0]	
★72	BYPASS RESTORE RPT CODE	<div><div></div><div></div></div> [0,0]	
★73	AC RESTORE RPT CODE	<div><div></div><div></div></div> [0,0]	
★74	LOW BAT RESTORE RPT CODE	<div><div></div><div></div></div> [1,0]	
★75	RF XMTR LO BAT RST RPT CODE	<div><div></div><div></div></div> [1,0]	
★76	TEST RESTORE RPT CODE	<div><div></div><div></div></div> [0,0]	

Field	Function	Programmed Values	[] = Table 1 Default Value
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OUTPUT AND SYSTEM SETUP (*80–*92)

*80	DEVICE PROGRAMMING MENU MODE	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 MENU MODE		
*83	ENHANCED SEQUENTIAL MODE. See procedure later in this manual.		

★84 ASSIGN ZONE VOICE DESCRIPTORS. See procedure later in this manual.

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

★87 AUX FUNCTION/ 1-BUTTON PAGING [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

<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"/>

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.

You do not need to fill all 16 digits (press [*] to advance to next field).
To clear entries, enter *88*.

To enter "*" = [#] + [11]; To enter "#" = [#] + [12]

To enter 2-second pause = [#] + [13] (some pagers require an additional delay [pause] in order to receive the entire message)

★89 EVENT LOG 80% FULL RPT CODE [0,0]

★90 EVENT LOGGING [3]

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 LONG RANGE RADIO/ALARM
AUDIO VERIFICATION TRIGGER [0]

0 = Long Range Radio Trigger; 4 = Alarm Audio Verification.

Notes: If long range radio is selected, trigger output will generate a steady signal for burglar alarm (3 to 4-second single pulse for all types of silent alarms) or a temporal signal for fire alarm. (Refer to Long Range Radio Installation Instructions for appropriate wiring. Burglary zone input reporting delay should be set to 2-seconds.) Audio Alarm Verification cannot be used for UL installations. Audio Alarm Verification will only function when Contact ID is selected.

★92 No. OF REPORTS IN ARMED PERIOD [0]

0 = 10 Alarm/Alarm Restore Reports; 1 = Unlimited.
UL installations = 1

DOWNLOAD INFORMATION (*93,*94,*95)

★93 FLEXIBLE CALLBACK [0]

0 = No flexible callback; 1 = Last digit flexible; 2 = Last 2 digits flexible; 3 = Last 3 digits flexible

★94 DOWNLOAD PHONE No.

<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"/>

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, pressing ★ advances to the 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 DETECT COUNT FOR
DOWNLOADING [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 4 DEFAULT OPTION SETUPS. Enter 1-4 to select from default tables 1-4. 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, you must press "★" and "#" within 50 seconds of power up or from exiting Programming mode 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 or from exiting Programming mode.

After exiting Program mode, the system takes up to 1 minute to reset. To bypass the reset delay, press [#] + [0].

*56 ENHANCED 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.

A **01**

ZONE NUMBER

Enter the 2-digit zone number to be programmed:

[*] = Continue

00 = exit zone programming mode;

upon exiting, the prompt "56" blinks; press

[*] + any field number to go to that field.

• Zone 1 = hard wire zone

• Zones 2-25 = RF transmitter zones

• Zone 26-41 = RF button zones

• Zone 92 = Duress

• Zone 95, 96, 99 = Panic zones

b **zt**

ZONE TYPE

Enter the 2-digit zone type (zt) for this zone (see table of zone types on worksheet page 13).

[*] = Continue [if 00 is entered the system will skip to DELETE ZONE PARAMETERS prompt (F)].

[#] = 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, 95, 96 or 99, 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 **lL**

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

1-4 = Loop number for the zone of the transmitter being entered

F

DELETE ZONE PARAMETERS

0 = Discard the delete request.

1 = Confirm the requested delete.

If 00 is entered in the zone type, confirmation of the delete request will delete all information associated with zone currently being programmed.

If 0 is entered in the loop number, confirmation of the delete request will delete the serial number associated with zone currently being programmed.

Note: 00 was entered as a zone type in prompt (b), 00 will be retained and system will advance to prompt (1C).

1A **LC**

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).

2 = Copy the last serial number from the local memory buffer.

3 = View existing serial number. (Only if "L" is displayed).

9 = Delete existing serial number. (Only if "L" is displayed).

[*] = Advance to the VOICE DESCRIPTOR prompt (1C). This will save all zone parameters.

[#] = Return to the loop number prompt (E).

Note: "L" will be displayed only if transmitter was already learned. "C" will be displayed only after confirmation.

/b

SERIAL NUMBER

Enter the transmitter's 7-digit serial number (printed on the transmitter). If an incorrect digit is entered, press the [#] key to return to prompt (1A).

Note: In order for all parameters to be accepted, you must advance to prompt (1C).

When all 7 digits are entered, press the [*] key. The serial number will be copied into EEROM and the local memory buffer and "L" will be displayed.

If 30 seconds pass and no entry has been made, the system returns to prompt (1A).

/C

VOICE DESCRIPTOR

0 = Skip to next zone (A)

1 = Enter descriptor mode (existing zone descriptor will be announced, then descriptor 1 will be repeated)

/d vv

DESCRIPTOR 1

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

To change the entered index number, press [#] + desired index number.

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

/E vv

DESCRIPTOR 2

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

To change the entered index number, press [#] + desired index number.

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

/F vv

DESCRIPTOR 3

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

To change the entered index number, press [#] + desired index number.

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 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

Device Programming

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

1 = Enter mode

A 01

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

3 = Pulse on and off

1 = Close for 2 seconds

[*] = Continue

2 = Close and stay closed

[#] = 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

3 = Trouble

1 = Alarm

[*] = Continue

2 = Fault

[#] = 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 zl

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

1A zz

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.

81

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 ENHANCED 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 01

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, (for zones 2 to 25 a zone type must be entered) then advances to ENROLL SERIAL NUMBER prompt (1b).

00 = Exit Sequential mode, upon which the prompt "83" blinks. Press [*] + any field number to go to that field.

1A zz

ENROLL MODE

0 = Advance to next unlearned zone.

1 = Enter now and proceed to SERIAL NUMBER prompt (1b). For 4-button keys (zones 26, 30, 34 and 38) the serial number will be learned to all four buttons.

2 = Copy the last serial number entered. If this is the first zone, no serial number will be in the buffer and the panel will emit a long tone.

3 = View existing serial number. (Only if "L" is displayed. If "L" is not displayed, panel will emit a long beep. Each digit will be displayed and the keypad will beep once for digits 1-6 and three times for last digit.

4 = Copy the 4-button key template set for zones 26 - 29 (includes all zone parameters except serial numbers). Only valid on 4-button key zones 30, 34 and 38 that do not have serial numbers learned. (Template acceptance is indicated by two beeps after copying. A single long beep emitted when copying templates indicates the template is not valid.)

9 = Delete existing serial number. Go to the (1A) prompt. (For 4-button key zones 26, 30, 34 and 38, deletes all four at once.)

[*] = Advance to the next unlearned zone.

[#] = Return to previous prompt (1A).

/b zz

/b

F

SERIAL NUMBER

Enter the transmitter's 7-digit serial number (printed on the transmitter). If an incorrect digit is entered, press the [#] key to return to prompt (1A) .

When all 7 digits are entered, press the [*] key. If the serial and loop number combination is already present in the system, or if less than 7 digits are entered, the keypad will emit a single long beep and return to the (1A) prompt while displaying the "L".

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 ZONE PARAMETERS CONFIRMATION PROMPT (F).

If the serial number is not correct, pressing [#], will delete the number and returns to the ENROLL MODE prompt (1A). If 30 seconds pass and no entry has been made, the system returns to prompt (1A).

DELETE ZONE PARAMETERS CONFIRMATION

0 = Discard the delete request.

1 = Confirm requested delete.

*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 (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.

To change the entered index number, press [#] + desired index number.

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.

To change the entered index number, press [#] + desired index number.

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.

To change the entered index number, press [#] + desired index number.

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 A	14 FIRE	25 MAIN	40 UPSTAIRS
02 ATTIC	15 FLOOR	26 MASTER	41 UTILITY
B	16 FRONT	27 MESSAGE	W
03 BABY G	17 GARAGE	28 MOTION	42 WINDOW
04 BACK	18 GUN	O	Y
05 BASEMENT H		29 OFFICE	43 YARD
06 BATHROOM	19 HALL I	P	Z
07 BEDROOM	20 INSIDE	30 PATIO	44 ZONES
C	21 KITCHEN	31 POOL	
08 CHECK J		32 ROOM R	45 1 ST
D	22 LAUNDRY	33 SHED S	46 2 ND
09 DEN	23 LIBRARY	34 SHOP	47 3 RD
10 DETECTOR L	24 LIVING	35 SIDE	70 Custom Word #1
11 DINING		36 SLIDING	71 Custom Word #2
12 DOOR E		37 SMOKE	72 Custom Word #3
13 EMERGENCY		38 STORAGE	73 Custom Word #4
		39 SYSTEM	74 Custom Word #5
			99 Blank
			(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

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.

$$A \quad 7d$$

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

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

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

[#] = 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.

See explanation of headings on next page (defaults shown are for Table 1)

Note: Zone 1 cannot be used as a fire zone.

- 12 -

Zone No. (A 01)	Zone Type (zt)	Alarm Report Code in hex (rc)	Input Type (i)	Loop No. (l)	Transmitter Serial Number	Vocabulary Index
1 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"/> <input type="text"/>
2 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"/> <input type="text"/>
2 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"/> <input type="text"/>
2 2	<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"/>
2 3	<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"/>
2 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"/> <input type="text"/>
2 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"/> <input type="text"/>
Button Zones						
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"/> <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"/> <input type="text"/>
2 8	<input type="text"/> <input type="text"/> [20]	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> [01 00]	<input type="text"/> [5]	<input type="text"/> [4]	<input type="text"/>	<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"/> <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"/> <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"/> <input type="text"/>
3 2	<input type="text"/> <input type="text"/> [20]	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> [01 00]	<input type="text"/> [5]	<input type="text"/> [4]	<input type="text"/>	<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"/> <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"/> <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"/> <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"/> <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"/> <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"/> <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"/> <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"/> <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"/> <input type="text"/>

EXPLANATION OF ZONE ASSIGNMENT TABLE HEADINGS

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).

zt = ZONE TYPE

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

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.

i = INPUT TYPE

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.

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.

UL Powerline Carrier Devices and the PL513 Powerline Interface Module are not UL Listed for fire or burglary functions and are intended for home automation.

*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.*†						
SYSTEM 08	[2]			[33]		[36]
P.L.C.D.*†						

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

Note: If using an X-10 Powerhouse Security SH10A Siren as device 8, you must change the action default to "3" if using default table 4.

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 assign zones with zone types 20, 21, or 22 to a zone list.

ZT = ZONE TYPE/SYSTEM OPERATION Choices for Zone Types are:

00 = Not Used

01 = Entry/Exit#1

02 = Entry/Exit#2

03 = Perimeter

04 = Interior Follower

05 = Trouble Day/Alarm Night

06 = 24 Hr Silent

07 = 24 Hr Audible

08 = 24 Hr Aux

09 = Fire Zone

10 = Interior w/Delay

24= Silent Burglary

Note: Any zone in "ZT" going into alarm, fault, or trouble will activate device.
Any zone of that type that restores will stop device action.

Choices for System Operation are:

20 = Arming-Stay

21 = Arming-Away

22 = Disarming (Code + OFF)

31 = End of Exit Time

32 = Start of Entry Time

33 = Any Alarm (except ZT=08)

36 = *At Bell Timeout

38 = Chime

39 = Any Fire Alarm

40 = Bypassing

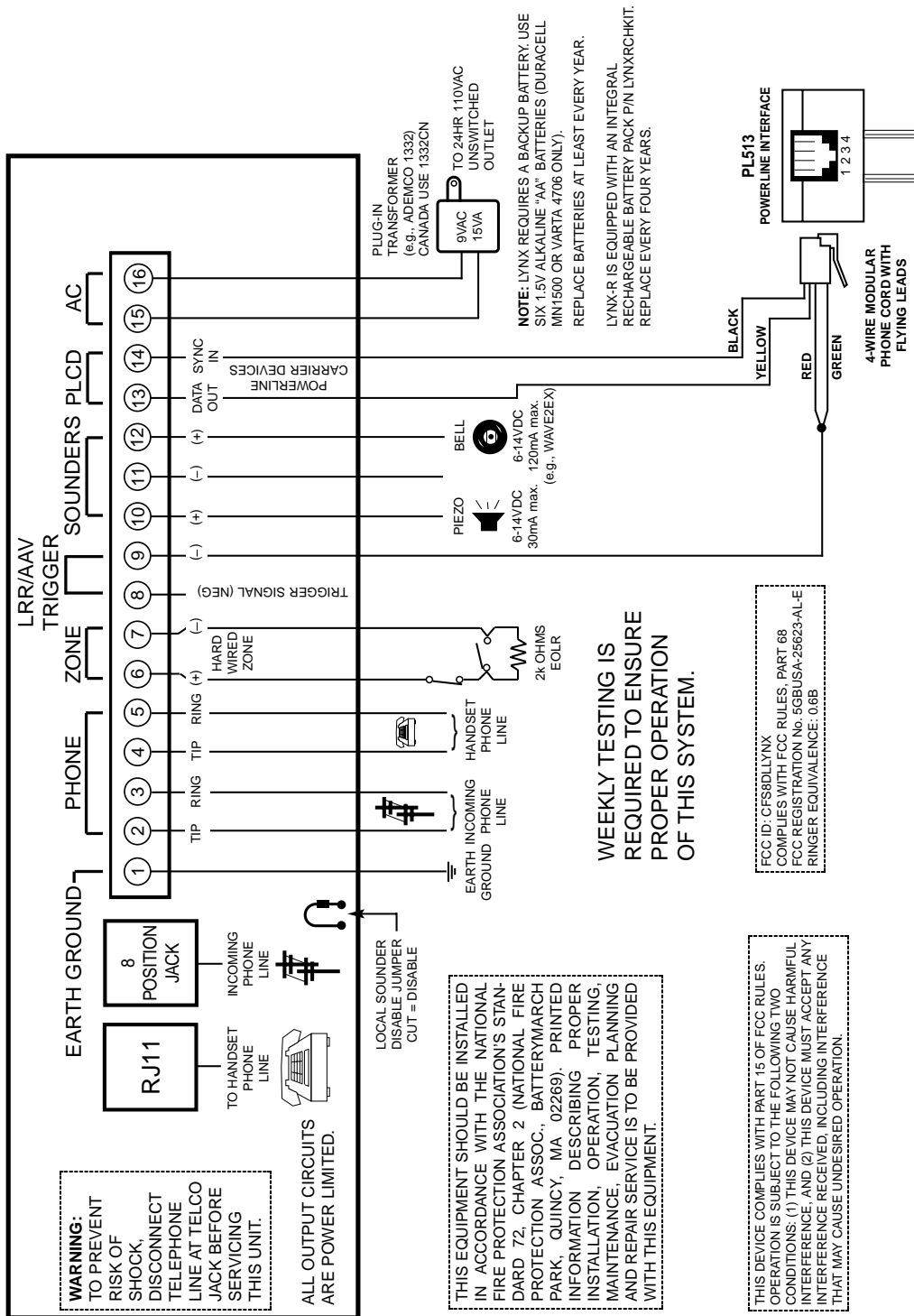
42 = System Battery Low

43 = Communication Failure

52 = Kissoff

58 = Duress

* Or at Disarming, whichever occurs earlier.



LYNX SUMMARY OF CONNECTIONS

**ADEMCO
GROUP**

165 Eileen Way, Syosset, New York 11791

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N8890V2 6/99