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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, *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 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 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

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="checkbox"/> † [1] 0 = no; 1 = yes	
★22	KEYPAD BACKLIGHT TIMEOUT	<input type="checkbox"/> [0] 0 = none (backlighting always on); 1 = backlight off after 10secs	
★23	FORCED BYPASS	<input type="checkbox"/> † [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="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	
★26	CHIME BY ZONE	<input type="checkbox"/> † [1] 0 = no; 1 = yes (program zones to chime on zone list 3)	
★27	REAL TIME CLOCK DISPLAY	<input type="checkbox"/> † [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="checkbox"/> † [0] 1 = yes, limit once per arming period; 0 = no limit; UL installations = 0	
★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; UL installations = 1 (4 min) minimum	

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

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.

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

IE 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

IF 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 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

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 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.

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 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, 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.

C zz

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. The next zone number to be enrolled will display at "C" prompt for 30 seconds. If this is the desired zone number, enter its serial number as described above. If not, either wait 30 seconds or press [#] to display "b" prompt.

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

b zz

ENROLL ZONE?

The system displays the next zone number for which a serial number may be enrolled.
0 = return to ZONE NUMBER prompt (A 01) to enter different zone number or exit sequential mode
1 = yes, return to "C" prompt to enter serial number for this zone

*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	14 FIRE	25 MAIN	40 UPSTAIRS
02 ATTIC	15 FLOOR	26 MASTER	41 UTILITY
03 BABY	16 FRONT	27 MESSAGE	W
04 BACK	17 GARAGE	28 MOTION	42 WINDOW
05 BASEMENT	18 GUN	O	Y
06 BATHROOM	19 HALL	29 OFFICE	43 YARD
07 BEDROOM	20 INSIDE	P	Z
08 CHECK	21 KITCHEN	30 PATIO	44 ZONES
09 DEN	22 LAUNDRY	31 POOL	45 1 ST
10 DETECTOR	23 LIBRARY	32 ROOM	46 2 ND
11 DINING	24 LIVING	S	47 3 RD
12 DOOR		33 SHED	70 Custom Word #1
13 EMERGENCY		34 SHOP	71 Custom Word #2
		35 SIDE	72 Custom Word #3
		36 SLIDING	73 Custom Word #4
		37 SMOKE	74 Custom Word #5
		38 STORAGE	99 Blank
		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 7d

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. Start speaking immediately after the third beep.
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....7d)

[#] = 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.

Button Zones

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

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
 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
 10 = Interior w/Delay
 20 = Arm-Stay
 21 = Arm-Away
 22 = Disarm
 23 = No Alarm Response
 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.

*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 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 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	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 activate device. Any zone of that type that restores will stop device 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:

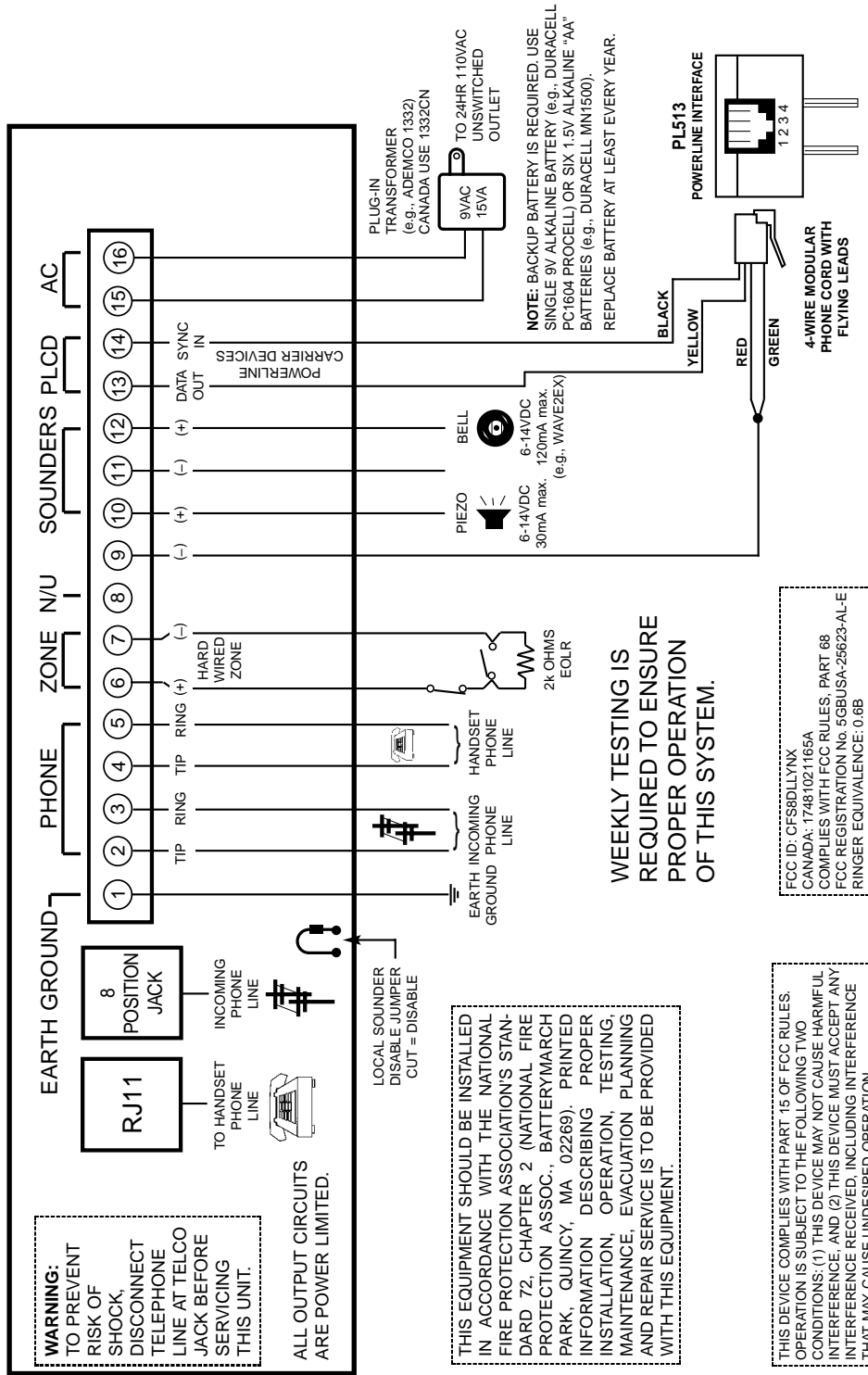
Code + Function + 4 + N

Code + Function + 7 + N

N = device (unit) number

(Entry **starts** Device N)

(Entry **stops** Device N)



LYNX SUMMARY OF CONNECTIONS

ADEMCO GROUP

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N8890V1 10/98