

# ***VISTA-15***

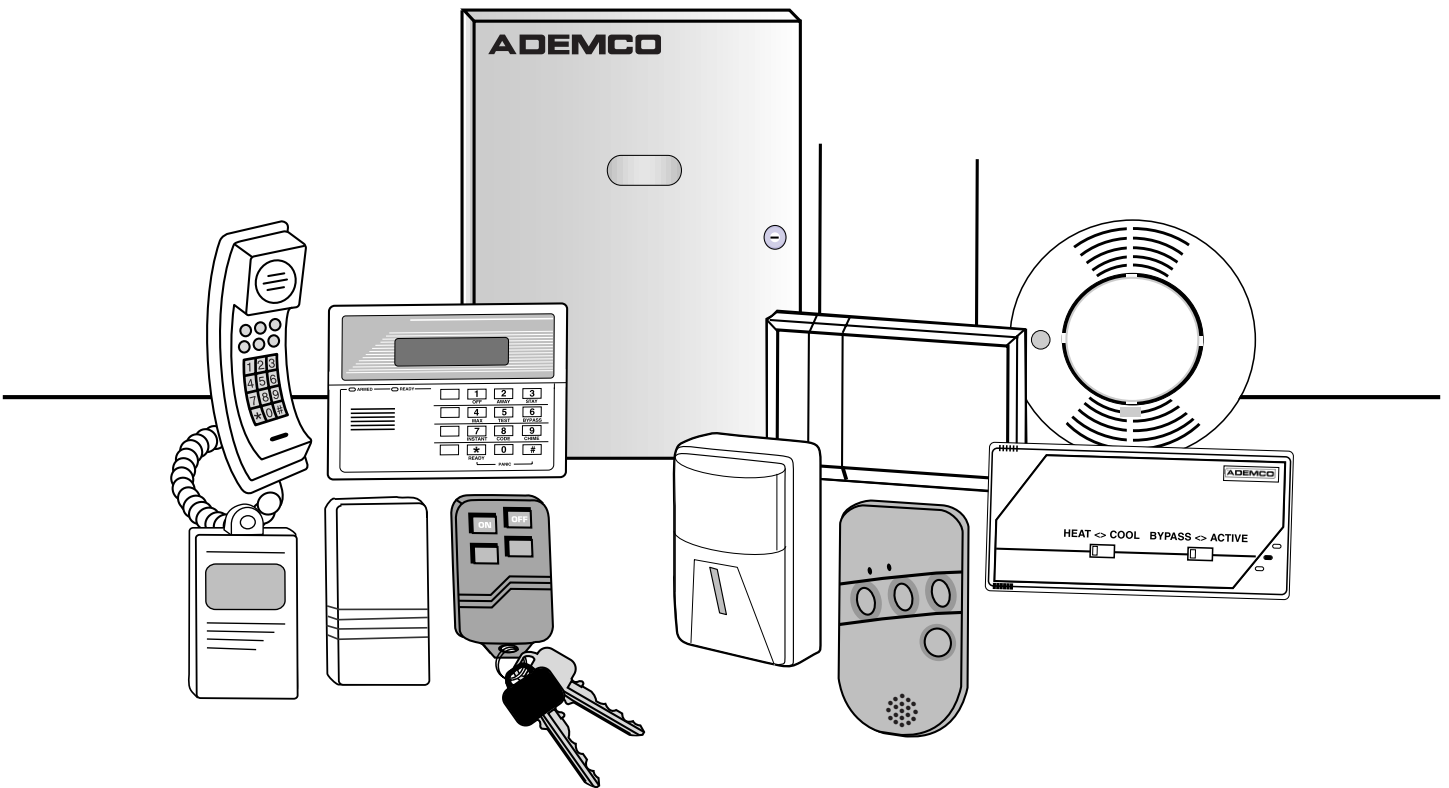
# ***VISTA-15CN***

## ***Security System***

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### ***Programming Form***



**® ADEMCO**



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

**Field Function [ ] = Default Value Programmed Values**      **Field Function [ ] = Default Value Programmed Values**

**SYSTEM SETUP (\*20 – \*30)**

- \*20 INSTALLER CODE [ ][ ][ ][ ]  
Enter 4 digits, 0–9 [4 1 1 2]
- \*21 QUICK ARM ENABLE [0] [ ] †  
1 = enable; 0 = disable
- \*22 RF SYSTEM [0] [ ] †  
0 = none; 1 = 5800 (5881/5882)  
4 = 5800 w/ RF Jam Detection
- \*23 FORCED BYPASS [0] [ ] †  
0 = none; 1 = bypass open zones  
0 for UL installations.
- \*24 RF HOUSE ID CODE [00] [ ][ ]  
00 = disable all wireless keypad usage;  
01–31 = using 5827, 5827BD, and 5804BD
- \*25 WIRED ZONE EXPANSION [0] [ ] †  
0 = none; 1 = 4219; 2 = 4229; 3 = 4204
- \*26 CHIME BY ZONE [0] [ ] †  
0 = no; 1 = yes (program zones to chime  
on zone list 3)

- \*27 X–10 HOUSE CODE [0] [ ]  
0 = A, 1 = B, 2 = C, 3 = D, 4 = E, 5 = F,  
6 = G, 7 = H, 8 = I, 9 = J, # + 10 = K, # + 11 = L,  
# + 12 = M, # + 13 = N, # + 14 = O, # + 15 = P
- \*28 PHONE MODULE ACCESS CODE [00] [ ][ ]  
1st digit: enter 1–9; 2nd digit: enter # + 11 for \*,  
or # + 12 for #.  
Entering "0" for either digit disables code.
- \*29 OUTPUT TO LONG RANGE RADIO [0] [ ]  
0 = disable; enable = Trouble code 1–9, B (# + 11),  
C (# + 12), D (# + 13), E (# + 14), or F (# + 15).  
The 2nd digit of Trouble Dialer Report is  
automatically entered from field \*60. 0 for UL  
installations.
- \*30 HARDWIRE SHORT DETECTION [0] [ ] †  
1 = enable; 0 = disable

**ZONE SOUNDS AND TIMING (\*31 – \*39)**

- \*31 SINGLE ALARM SOUNDING/ZONE [0] [ ] †  
1 = yes; 0 = no; 0 for UL installations.
- \*32 FIRE SOUNDER TIMEOUT [0] [ ] †  
0 = timeout; 1 = no timeout
- \*33 ALARM BELL TIMEOUT [1] [ ] †  
0 = none; 1 = 4 min; 2 = 8 min; 3 = 12 min;  
4 = 16 min; 1 (4 min.) minimum for UL.
- \*34 EXIT DELAY (in seconds) [2] [ ] †  
0 = 30      4 = 120  
1 = 45      5 = 180  
2 = 60      6 = 240  
3 = 90  
60 sec max for UL installations. Due to the Exit  
Delay Restart feature, set for 30 seconds.

- \*35 ENTRY DELAY 1 (zone type 01) [1] [ ] †  
0 = 30; 1 = 45; 2 = 60; 3 = 90; 4 = 120;  
5 = 180; 6 = 240. 45 sec max. for UL installations.
- \*36 ENTRY DELAY 2 (zone type 02) [2] [ ] †  
0 = 30; 1 = 45; 2 = 60; 3 = 90; 4 = 120;  
5 = 180; 6 = 240. 45 sec max. for UL installations.
- \*37 AUDIBLE EXIT WARNING [1] [ ] †  
0 = no; 1 = yes
- \*38 CONFIRMATION OF ARMING DING [0] [ ] †  
0 = no; 1 = yes (wired keypads and RF);  
2 = yes, RF only
- \*39 POWER UP IN PREVIOUS STATE [1] [ ] †  
0 = no; 1 = yes; 1 for UL installations.

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

**DIALER PROGRAMMING (\*40 – \*52)**

In fields \*40, \*41, \*42, enter up to the number of digits shown. Do not fill unused spaces. Enter 0–9; # + 11 for \*; # + 12 for #; # + 13 for a 2-second pause.

- \*40 PABX ACCESS CODE [ ][ ][ ][ ][ ][ ]  
  
Enter 6 digits. If fewer than 6 digits are entered, exit  
by pressing \* (and press 41, if entering next field).  
To clear entries from field, press \*40\* .

- \*41 PRIMARY PHONE NO. [ ]  
  
Enter up to 20 digits; do not fill unused spaces. If fewer  
than 20 digits entered, exit by pressing \* (and press  
42, if entering next field). To clear entries from field,  
press \*41\* .

**★42 SECONDARY PHONE NO.**

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

Enter up to 20 digits; Do not fill unused spaces. If fewer than 20 digits entered, exit by pressing ★ (and press 43, if entering next field). To clear entries from field, press ★42★.

**★43 PRIMARY SUBSCRIBER ACCOUNT NUMBER**

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[15 15 15 15]

**★44 SECONDARY SUBSCRIBER ACCOUNT NUMBER**

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**For fields ★43 and ★44:**

Enter 0–9; # +11 for B; # +12 for C; # +13 for D; # +14 for E; # +15 for F. Enter ★ as 4th digit, if 3+1 dialer reporting is to be used. If only 3 digits used, exit by pressing ★ (and press next field).

To clear entries from field, press ★43★ or ★44★.  
Examples:

For Acct. **1234**, enter: 

1	2	3	4
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For Acct. **B234**, enter: 

#+11	2	3	4
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**★45 PHONE SYSTEM SELECT** [1]  †

If Cent. Sta. IS NOT on a WATS line: 0 = Pulse Dial; 1 = Tone Dial; if Cent. Sta. IS on a WATS line: 2 = Pulse Dial; 3 = Tone Dial.

**★46 REPORT FORMAT** [7]  † [7]  †  
Primary Secondary

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

**★47 SPLIT/DUAL REPORTING** [0]

0 = Disable (Backup report only)

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

- 1 = Alarms, Restore, Cancel Others
- 2 = All except Open/Close, Test Open/Close, Test
- 3 = Alarms, Restore, Cancel All
- 4 = All except Open/Close, Test All
- 5 = All All

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

- 6 = All except Open/Close Alarms, Open/Close, for users 5-25\*, Troubles
- 7 = All reports Alarms, Troubles
- 8 = All reports Alarms, Open/Close, for users 5-25\*, Troubles
- 9 = All except Open/Close Open/Close for users 5-25\*

\* Will report users 5-16 and, if using wireless button-type devices, will report the zone number of the arm or disarm button (10-25). Open/Close for users 1-4 are not reported.  
\*\*See Installation Instructions for an explanation of the paging format.

**★48 DIALER DLY (BURG/FIRE) (in sec)** [10]  †

0 = no; 1 = 15; 2 = 30; 3 = 45; 4 = 60; Burg/Fire  
5 = 120. 0 for UL installations.

**★49 PERIODIC TEST REPORT** [0]  †

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

**★50 TEST REPORT OFFSET** [2]  †

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

**★51 SESCOA/RADIONICS SELECT** [0]  †

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

**★52 CANCEL VERIFY** [1]

0 = no; 1 = yes

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

**★56 / ★58 ZONE ASSIGNMENT/ALARM REPORT CODES**

This field is an interactive mode. Fill in the required data on the worksheet below (and on next page) and follow the programming procedure in the installation manual. Zone Types are shown on page 6 of this manual.

**ZONES ON CONTROL:**

See explanation of headings on next page →

ZONE RESPONSE DESCRIPTION	ZONE NO. (Zn)	ZONE TYPE (ZT)	ALARM RPT CODE (Hex) (RC)	INPUT TYPE (In)	TIME (RT)
Wired Zone 1†	0 1 [09]		[01] [00]	HW	[1]
Wired Zone 2	0 2 [01]		[01] [00]	HW	[1]
Wired Zone 3	0 3 [01]		[01] [00]	HW	[1]
Wired Zone 4	0 4 [03]		[01] [00]	HW	[1]
Wired Zone 5	0 5 [03]		[01] [00]	HW	[1]
Wired Zone 6	0 6 [03]		[01] [00]	HW	[1]

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

Expansion Module Suprvsn	0	9	[05]		[01]	[00]				—	—
Duress	9	2		—	[01]	[00]				—	—
Keypad Panic (1 & *)	9	5	[00]		[01]	[00]				—	—
Keypad Panic (3 & #)	9	6	[00]		[01]	[00]				—	—
Keypad Panic (* & #)	9	9	[07]		[01]	[00]				—	—

**EXPANSION ZONES:** Assign zone numbers (Zn) 10–17 to 4219/4229 Auxiliary Wired Loops A–H, if used.  
RF zones can use zone numbers (Zn) 10–35

**[ENTER FOR RF ONLY]**

ZONE DESCRIPTION	ZONE NO. (Zn)		ZONE TYPE (ZT)	ALARM RPT CODE (Hex) (RC)		INPUT TYPE (In)		LEARNED RF INPUT (L)		
4219/4229 Loop A 1st Exp'n Zone	1	0	[00]		[01]	[00]	[03]		[1]	
or RF Zones B	1	1	[00]		[01]	[00]	[03]		[1]	
C	1	2	[00]		[01]	[00]	[03]		[1]	
D	1	3	[00]		[01]	[00]	[03]		[1]	
E	1	4	[00]		[01]	[00]	[03]		[1]	
F	1	5	[00]		[01]	[00]	[03]		[1]	
G	1	6	[00]		[01]	[00]	[03]		[1]	
H	1	7	[00]		[01]	[00]	[03]		[1]	
RF Zones	1	8	[00]		[01]	[00]	[03]		[1]	
	1	9	[00]		[01]	[00]	[03]		[1]	
	2	0	[00]		[01]	[00]	[03]		[1]	
	2	1	[00]		[01]	[00]	[03]		[1]	
	2	2	[00]		[01]	[00]	[03]		[1]	
	2	3	[00]		[01]	[00]	[03]		[1]	
	2	4	[00]		[01]	[00]	[03]		[1]	
	2	5	[00]		[01]	[00]	[03]		[1]	
	2	6	[00]		[01]	[00]	[03]		[1]	
	2	7	[00]		[01]	[00]	[03]		[1]	
	2	8	[00]		[01]	[00]	[03]		[1]	
	2	9	[00]		[01]	[00]	[03]		[1]	
	3	0	[00]		[01]	[00]	[03]		[1]	
	3	1	[00]		[01]	[00]	[03]		[1]	
	3	2	[00]		[01]	[00]	[03]		[1]	
	3	3	[00]		[01]	[00]	[03]		[1]	
	3	4	[00]		[01]	[00]	[03]		[1]	
	3	5	[00]		[01]	[00]	[03]		[1]	

**EXPLANATION OF ZONE ASSIGNMENT TABLE HEADINGS**

**Zn = ZONE NO.** Zone Nos. are from 01 to 06, 09 to 35, 92, 95, 96, 99. Some are pre-assigned.  
With Field \*25 set for auxiliary wired loops (4219, or 4229), use Zone Nos. 10–17 for loops A–H.  
With Field \*22 set for RF (5800), use Zone Nos. 10-35.

- ZT = ZONE TYPE**
- |                        |                              |                        |
|------------------------|------------------------------|------------------------|
| 00 = Not Used          | 05 = Trouble Day/Alarm Night | 12 = 24-Hour Monitor   |
| 01 = Entry/Exit #1     | 06 = 24-Hr Silent            | 20 = Arm–Stay          |
| 02 = Entry/Exit #2     | 07 = 24-Hr Audible           | 21 = Arm–Away          |
| 03 = Perimeter         | 08 = 24-Hr Aux               | 22 = Disarm            |
| 04 = Interior Follower | 09 = Fire                    | 23 = No Alarm Response |
|                        | 10 = Interior w/Delay        | 24 = Silent Burglary   |

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

**RC = ALARM REPORT CODE** Two Hex Digits. For each Hex Digit, enter: 00–09 for 0–9, 10 for A, 11 for B, 12 for C, 13 for D, 14 for E, 15 for F. If 00 is entered as the first digit, there will be no report for that zone.  
For contact ID reporting, this is an enabling code only. Enter any hex digit (other than 00) in the first pair of boxes. The second pair of boxes are ignored.

**In = LOOP  
INPUT TYPE**

HW: Hard Wire  
AW: Aux Wire (4219 or 4229)

Enter 2 for AW: Auxiliary wired  
Enter 3 for RF: Supervised RF  
Enter 4 for UR: Unsupervised RF  
Enter 5 for BR: Button Type RF

Hardwire zone input types are automatically assigned.

**RT = RESPONSE TIME** 0 = 10mSec; 1 = 350mSec; 2 = 700mSec. Default Values for zones 01 – 06 = 1 (350mSec)  
**L = LEARNED RF INPUT** Used with 5800 RF Loop Input Devices. Record transmitter input number.

**SYSTEM STATUS REPORT CODES (\*59 – \*68) †**

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

**With a 3+1 or 4+1 Standard Format:** Enter a code in the *first* box: 1–9, 0, B, C, D, E, or F. Enter #+10 for 0, #+11 for B, #+12 for C, #+13 for D, #+14 for E, #+15 for F.

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

A 0 (*not* #+10) in the *second* box will result in automatic advance to the next field when programming.

**With an Expanded or 4+2 Format:** Enter codes in *both* boxes (1st and 2nd digits) for 1–9, 0, or B–F, as described above.

A 0 (*not* #+10) in the *second* box will eliminate the expanded message for that report.

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

**With Ademco Contact ID Reporting:** Enter any digit (other than 0) in the *first* box, to enable zone to report (entries in the *second* boxes will be ignored).

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

Examples:

For Code **3** (single digit), enter:

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

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

- \*59 EXIT ERROR REPORT CODE [0]
- \*60 TROUBLE REPORT CODE [00]
- \*61 BYPASS REPORT CODE [00]
- \*62 AC LOSS REPORT CODE [00]
- \*63 LOW BAT REPORT CODE [00]
- \*64 TEST REPORT CODE [00]
- \*65 OPEN REPORT CODE [0]  †
- \*66 ARM AWAY/STAY RPT CODE [00]   ††  
AWAY STAY  
† 2nd digit is automatically sent as the 2nd digit of the zone alarm report code programmed in \*56, if expanded or 4+2 reporting is selected.  
†† 2nd digit is automatically sent as the user number if expanded or 4+2 reporting is selected.
- \*67 RF XMTR LOW BAT REPORT CODE [00]
- \*68 CANCEL REPORT CODE [00]

**RESTORE REPORT CODES (\*70 – \*76) †**

- \*70 ALARM RESTORE RPT CODE [0]   
2nd digit is automatically sent as the 2nd digit of the zone alarm report code programmed in \*56, if expanded or 4+2 reporting is selected.
- \*71 TROUBLE RESTORE RPT CODE [00]
- \*72 BYPASS RESTORE RPT CODE [00]

- \*73 AC RESTORE RPT CODE [00]
- \*74 LOW BAT RESTORE RPT CODE [00]
- \*75 RF XMTR LO BAT RST RPT CODE [00]
- \*76 TEST RESTORE RPT CODE [00]

**DAYLIGHT SAVING TIME (\*77 – \*78)**

- \*77 DAYLIGHT SAVING TIME [4,10]   †  
START/END MONTH  
0 = Disabled; 1 = Jan; 2 = Feb; 3 = Mar....  
10 = Oct; 11 = Nov; 12 = Dec.  
(Enter 0-9); #+10 = 10; #+11 = 11; #+12 = 12
- \*78 DAYLIGHT SAVING TIME [1,5]   †  
START/END WEEKEND  
0 = Disabled; 1 = First; 2 = Second; 3 = Third;  
4 = Fourth; 5 = Last; 6 = Next to Last;  
7 = Third to Last

**DYNAMIC SIGNALING (\*79)**

- \*79 DYNAMIC SIGNALING [0]  † [0]  †  
1st Entry 2nd Entry  
DS Delay DS Priority  
D S Delay; 0-15 times a 15-sec delay  
1 = 15 secs; 2 = 30 secs; 3 = 45 secs;  
4 = 60 secs...etc.  
0 = No delay. (Reports are sent to both the Primary Phone No. and LRR).  
For UL installations, set for 0 = No delay  
D S Priority; 0 = Send message to Primary Phone No. first;  
1 = Send message to LRR first.

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

### OUTPUT AND SYSTEM SETUP (\*80 – \*93)

<p><b>*80</b> OUTPUT RELAYS AND POWERLINE CARRIER DEVICES</p> <p><b>*81</b> ZONE LISTS FOR OUTPUT DEVICES</p>	<p style="font-size: small;"><i>Program only if Relays and/or Powerline Carrier devices are to be used. See page 9.</i></p>
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**\*82** CUSTOM ALPHA EDITING (Also entered from field \*56) *See procedure in instructions.*

**\*84** AUTO STAY ARMING [0]   
0 = no; 1 = yes

**\*85** CROSS ZONE TIMER (in seconds) [0]   
0 = 30  
1 = 45  
2 = 60  
3 = 90  
4 = 120  
5 = 180  
6 = 240

**NOTE:** This field (\*85) and Zone List 04 are not to be used in UL installations.

**\*87** ALARM PAGER DELAY TIME [3]   
0 = none  
1 = 1 minute  
2 = 2 minutes  
3 = 3 minutes

**\*88** PAGER CHARACTERS (16 digits as user decides)  

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(See field \*41 for programming instructions)

**\*89** EVENT LOG 80% FULL RPT CODE [00]

**\*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** OPTION SELECTION (AAV) [8]   
0 = None;  
4 = AAV;  
8 = Enable Exit Delay Restart;  
12 = Both enabled.  
0 for UL installations.

**\*92** PHONE LINE MONITOR ENABLE [0]   
0 = Not used  
1 = Keypad display when line is faulted  
2 = Keypad display plus keypad trouble sound  
3 = Same as "2," plus Device #2 STARTS. If armed, external sounder activates also.  
**Note:** Device #2 must either be programmed to be STOPPED in field \*80 or STOPPED by Code + # + 8 + 2.

**\*93** SWINGER SUPPRESSION [0]   
0 = Unlimited; 1 - 15 = Number of Alarms (0 - 9; #+10 = 10; #+11 = 11; #+12 = 12; #+13 = 13; #+14 = 14; #+15 = 15)  
0 for UL installations.

### DOWNLOAD INFORMATION (\*94, \*95)

**\*94** DOWNLOAD PHONE NO.  

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

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

  
Enter up to 20 digits, 0–9; #+11 for \*; #+12 for #; # + 13 for a pause. Do not fill unused spaces. If fewer than 16 digits entered, exit field by pressing \* (and press 95, if entering next field). To clear entries from field, press \*94\*.  
**Note:** In UL installations, downloading may only be performed if a technician is at the site.

**\*95** RING DET COUNT FOR DWNLING [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)  
**Note:** Do not enter 0 if using 4285/4286 Voice Module.

**\*96** INITIALIZES DOWNLOAD ID, SUBSCRIBER ACCOUNT NO. FOR INITIAL DOWNLOAD: No data entry required.

**\*97** SETS ALL PROGRAM FIELDS TO DEFAULT VALUES: No data entry required.

### EXITS (\*98, \*99)

**\*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 power up, and press \* and # within 50 seconds of power-up.

**\*99** Exits programming mode and *allows* re-entry by: Installer Code + 8 + 0 + 0 or: Power-up, then press \* and # within 50 seconds of power-up.

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

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

**\*80 OUTPUT DEVICES** – This is an Interactive Menu mode. Fill in the required data on the worksheet below and follow the programming procedure in the installation manual as you enter the data in response to the displays and prompts that appear in sequence.

- Notes:**
1. For Relays, field \*25 must be programmed for a 4229 (Relays 01 and 02), **OR** for a 4204 (Relays 01 to 04).
  2. For Powerline Carrier devices, field \*27 must be programmed with a House Code.
  3. Tamper of expansion units cannot be used to operate devices.

DEVICE NUMBER	ACTION (A)	S T A R T = either or both-			S T O P = either or both-		X-10 SELECT
		EVENT (EV)	ZONE LIST (ZL)	ZONE TYPE SYST OP'N (ZT)	RESTORE OF ZONE LIST (ZL)	ZONE TYPE /SYST OP'N (ZT)	
OUTPUT RELAY OR P.L.C.D.* 01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>
OUTPUT RELAY OR P.L.C.D.* 02	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>
OUTPUT RELAY OR P.L.C.D.* 03	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>
OUTPUT RELAY OR P.L.C.D.* 04	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>

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

Where:

- X-10 SELECT = Powerline Carrier device**      Enter 1 if Powerline Carrier device is being used; enter 0 if relay is being used.
- A = DEVICE ACTION**      0 = **No Response**; 1 = Close for 2 sec; 2 = Close and stay closed; 3 = Pulse on and off.
- EV = EVENT**      0 = Not used; 1 = Alarm; 2 = Fault; 3 = Trouble.
- 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 restores.

### ZT = ZONE TYPE/SYSTEM OPERATION

**Choices for Zone Types are:**

- |                              |                       |
|------------------------------|-----------------------|
| 00 = Not Used                | 06 = 24-Hr Silent     |
| 01 = Entry/Exit #1           | 07 = 24-Hr Audible    |
| 02 = Entry/Exit #2           | 08 = 24-Hr Aux        |
| 03 = Perimeter               | 09 = Fire             |
| 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            | 39 = Any Fire Alarm        |
| 21 = Arming–Away            | 40 = Bypassing             |
| 22 = Disarming (Code + OFF) | 41 = AC Power Failure      |
| 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                |
| 38 = Chime                  |                            |

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

\*\* Or at Disarming, whichever occurs first.



\*81 **ZONE LISTS FOR OUTPUT DEVICES** (01 - 03); Cross Zones (04); and Night-Stay Zones (05). This is an interactive mode. Fill in the required data on the worksheet below and follow the procedure in the installation manual as you enter the data in response to 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 01:** Started or stopped by zone numbers (enter 00 to end entries).

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

**Zone List 02:** Started or stopped by zone numbers (enter 00 to end entries).

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

**Zone List 03:** Started or stopped by zone numbers AND/OR assignment of Chime zones (enter 00 to end entries).

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

**Zone List 04:** Cross Zone list: An alarm will occur if the system is armed and two or more of these active burglary zones (Entry/Exit 1 or 2, Interior Follower, Perimeter, Trouble Day/Alarm, Night, or Interior w/ Delay) remain faulted after Cross Zone time has expired, and this mode is enabled.

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

**NOTE:** This Zone List 04 is not to be used in UL installations.

**Zone List 05:** Night Stay Zones: These interior zones (Interior Follower or Interior w/ delay) will be armed when arming the system in the Night-Stay mode.

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

**NOTE:** Zone 92, DURESS, must **not** be programmed into any Zone List.

---

## SPECIAL MESSAGES

**OC** = OPEN CIRCUIT (no communication between console and control).

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

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

To bypass this delay, press: # + 0.

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

## TO ENTER PROGRAMMING MODE:

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

## TO EXIT PROGRAMMING MODE:

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

# ALPHA VOCABULARY LIST

(For Entering Zone Descriptors)

000 (Word Space)	• <b>062 DRIVEWAY</b>	• <b>113 LIVING</b>	• <b>167 SERVICE</b>	• <b>225 ZONE</b>
A	• <b>064 DUCT</b>	• <b>114 LOADING</b>	• <b>168 SHED</b>	• <b>226 0</b>
• <b>001 AIR</b>	E	115 LOCK	169 SHOCK	• <b>227 1</b>
• <b>002 ALARM</b>	• <b>065 EAST</b>	116 LOOP	• <b>170 SHOP</b>	• <b>228 1ST</b>
004 ALLEY	066 ELECTRIC	117 LOW	171 SHORT	• <b>229 2</b>
005 AMBUSH	067 EMERGENCY	• <b>118 LOWER</b>	• <b>173 SIDE</b>	• <b>230 2ND</b>
• <b>006 AREA</b>	068 ENTRY	M	174 SKYLIGHT	• <b>231 3</b>
• <b>007 APARTMENT</b>	• <b>069 EQUIPMENT</b>	• <b>119 MACHINE</b>	175 SLIDING	• <b>232 3RD</b>
• <b>009 ATTIC</b>	• <b>071 EXIT</b>	121 MAIDS	• <b>176 SMOKE</b>	• <b>233 4</b>
010 AUDIO	• <b>072 EXTERIOR</b>	122 MAIN	• <b>178 SONS</b>	• <b>234 4TH</b>
B	F	• <b>123 MASTER</b>	• <b>179 SOUTH</b>	• <b>235 5</b>
• <b>012 BABY</b>	• <b>073 FACTORY</b>	• <b>125 MEDICAL</b>	180 SPRINKLER	• <b>236 5TH</b>
• <b>013 BACK</b>	075 FAMILY	126 MEDICINE	• <b>182 STATION</b>	• <b>237 6</b>
• <b>014 BAR</b>	• <b>076 FATHERS</b>	128 MONEY	184 STORE	• <b>238 6TH</b>
• <b>016 BASEMENT</b>	• <b>077 FENCE</b>	129 MONITOR	• <b>185 STORAGE</b>	• <b>239 7</b>
• <b>017 BATHROOM</b>	• <b>079 FIRE</b>	• <b>130 MOTHERS</b>	186 STORY	• <b>240 7TH</b>
• <b>018 BED</b>	• <b>080 FLOOR</b>	• <b>131 MOTION</b>	190 SUPERVISED	• <b>241 8</b>
• <b>019 BEDROOM</b>	081 FLOW	• <b>132 MOTOR</b>	191 SUPERVISION	• <b>242 8TH</b>
020 BELL	082 FOIL	N	192 SWIMMING	• <b>243 9</b>
• <b>021 BLOWER</b>	• <b>083 FOYER</b>	• <b>134 NORTH</b>	193 SWITCH	• <b>244 9TH</b>
• <b>022 BOILER</b>	084 FREEZER	135 NURSERY	T	245 Custom Word #1
023 BOTTOM	• <b>085 FRONT</b>	O	194 TAMPER	
025 BREAK	G	• <b>136 OFFICE</b>	196 TELCO	
• <b>026 BUILDING</b>	• <b>089 GARAGE</b>	• <b>138 OPEN</b>	197 TELEPHONE	246 Custom Word #2
C	• <b>090 GAS</b>	139 OPENING	• <b>199 TEMPERATURE</b>	
028 CABINET	091 GATE	• <b>140 OUTSIDE</b>	200 THERMOSTAT	
• <b>029 CALL</b>	• <b>092 GLASS</b>	142 OVERHEAD	• <b>201 TOOL</b>	247 Custom Word #3
030 CAMERA	093 GUEST	P	202 TRANSMITTER	
031 CAR	094 GUN	143 PAINTING	U	
033 CASH	H	• <b>144 PANIC</b>	• <b>205 UP</b>	248 Custom Word #4
034 CCTV	• <b>095 HALL</b>	145 PASSIVE	• <b>206 UPPER</b>	
035 CEILING	• <b>096 HEAT</b>	• <b>146 PATIO</b>	• <b>207 UPSTAIRS</b>	
036 CELLAR	098 HOLDUP	147 PERIMETER	• <b>208 UTILITY</b>	249 Custom Word #5
• <b>037 CENTRAL</b>	099 HOUSE	• <b>148 PHONE</b>	V	
038 CIRCUIT	I	150 POINT	209 VALVE	
• <b>040 CLOSED</b>	• <b>101 INSIDE</b>	151 POLICE	210 VAULT	250 Custom Word #6
• <b>046 COMPUTER</b>	102 INTERIOR	• <b>153 POWER</b>	212 VOLTAGE	
047 CONTACT	103 INTRUSION	R	W	
D	J	155 RADIO	213 WALL	251 Custom Word #7
• <b>048 DAUGHTERS</b>	104 JEWELRY	• <b>156 REAR</b>	214 WAREHOUSE	
049 DELAYED	K	157 RECREATION	• <b>216 WEST</b>	
• <b>050 DEN</b>	• <b>105 KITCHEN</b>	159 REFRIGERATION	• <b>217 WINDOW</b>	252 Custom Word #8
051 DESK	L	160 RF	• <b>219 WING</b>	
• <b>052 DETECTOR</b>	• <b>106 LAUNDRY</b>	• <b>161 RIGHT</b>	220 WIRELESS	253 Custom Word #9
• <b>053 DINING</b>	• <b>107 LEFT</b>	• <b>162 ROOM</b>	X	
054 DISCRIMINATOR	108 LEVEL	163 ROOF	222 XMITTER	
055 DISPLAY	• <b>109 LIBRARY</b>	S	Y	254 Custom Word #10
• <b>057 DOOR</b>	• <b>110 LIGHT</b>	164 SAFE	Z	
• <b>059 DOWN</b>	111 LINE	165 SCREEN	223 YARD	
• <b>060 DOWNSTAIRS</b>		166 SENSOR	224 ZONE (No.)	
061 DRAWER				

**NOTE:** Bulleted (•) words in **boldface type** are those that are also available for use by the 4285/4286 VIP Module. If you are using a phone module, and words other than these are selected for alpha descriptors, the phone module will not provide annunciation of those words.

## CHARACTER (ASCII) CHART

(For Adding Custom Words)

32 (space)	39 ' <b>'</b>	46 . <b>.</b>	53 5 <b>5</b>	60 < <b>&lt;</b>	67 C <b>C</b>	74 J <b>J</b>	81 Q <b>Q</b>	88 X <b>X</b>
33 ! <b>!</b>	40 ( <b>(</b>	47 / <b>/</b>	54 6 <b>6</b>	61 = <b>=</b>	68 D <b>D</b>	75 K <b>K</b>	82 R <b>R</b>	89 Y <b>Y</b>
34 " <b>"</b>	41 ) <b>)</b>	48 0 <b>0</b>	55 7 <b>7</b>	62 > <b>&gt;</b>	69 E <b>E</b>	76 L <b>L</b>	83 S <b>S</b>	90 Z <b>Z</b>
35 # <b>#</b>	42 * <b>*</b>	49 1 <b>1</b>	56 8 <b>8</b>	63 ? <b>?</b>	70 F <b>F</b>	77 M <b>M</b>	84 T <b>T</b>	
36 \$ <b>\$</b>	43 + <b>+</b>	50 2 <b>2</b>	57 9 <b>9</b>	64 @ <b>@</b>	71 G <b>G</b>	78 N <b>N</b>	85 U <b>U</b>	
37 % <b>%</b>	44 , <b>,</b>	51 3 <b>3</b>	58 : <b>:</b>	65 A <b>A</b>	72 H <b>H</b>	79 O <b>O</b>	86 V <b>V</b>	
38 & <b>&amp;</b>	45 - <b>-</b>	52 4 <b>4</b>	59 ; <b>;</b>	66 B <b>B</b>	73 I <b>I</b>	80 P <b>P</b>	87 W <b>W</b>	

**ENROLLED TRANSMITTERS**

<b>ZONE No.</b>	<b>ZONE TYPE</b>	<b>ZONE INPUT TYPE</b>	<b>SERIAL No. (If applicable) Stick Serial No. Label from Transmitter Here</b>	<b>LOOP No.</b>	<b>DEVICE LOCATION</b>

**ENROLLED TRANSMITTERS** (cont'd)

<b>ZONE No.</b>	<b>ZONE TYPE</b>	<b>ZONE INPUT TYPE</b>	<b>SERIAL No. (If applicable) Stick Serial No. Label from Transmitter Here</b>	<b>LOOP No.</b>	<b>DEVICE LOCATION</b>



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