250P1
Security System

Programming Form

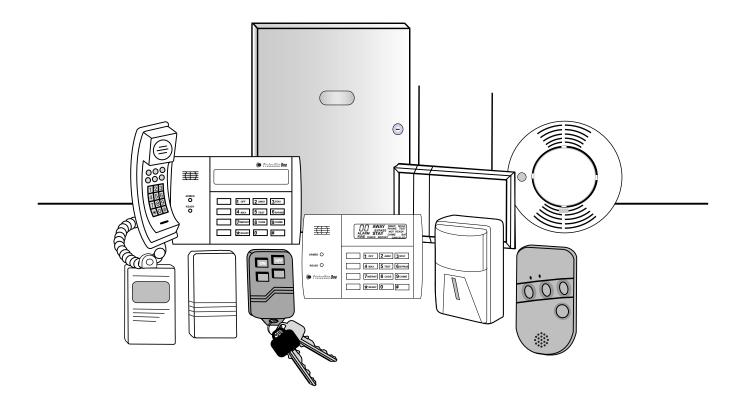**Protection One**

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 Select

∗23 FORCED BYPASS   [1] □ †

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 keypad

∗25 WIRED ZONE EXPANSION   [0] □ †

0 = none; 1 = 4219; 2 = 4229; 3 = 4204

∗26 CHIME BY ZONE   [1] □ †

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   [1] □ †

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
1 = 45
2 = 60
3 = 90
4 = 120
5 = 180
6 = 240

∗35 ENTRY DELAY 1 (zone type 01)   [0] □ †

0 = 30; 1 = 45; 2 = 60; 3 = 90; 4 = 120;
5 = 180; 6 = 240

∗36 ENTRY DELAY 2 (zone type 02)   [2] □ †

0 = 30; 1 = 45; 2 = 60; 3 = 90; 4 = 120;
5 = 180; 6 = 240.   60 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

[15] [15] [15] [15] [15] [15] [15] [15] [15] [15]

∗44 SECONDARY SUBCRIBER ACCOUNT NUMBER

[15] [15] [15] [15] [15] [15] [15] [15] [15] [15]

For fields ∗43 and ∗44:

Enter a 4- or 10 digit account no. and press ∗ after the last digit. Do **NOT** fill unused spaces. To clear entries from field, press ∗43∗ or ∗44∗. To verify digits entered, press #43 or #44.

Enter 0–9; # +11 for B; # +12 for C; # +13 for D; # +14 for E; # +15 for F.
Exit by pressing ∗ + next desired field.
Examples:

For Acct. **1234**, enter: | 1 | 2 | 3 | 4 |

For Acct. **B234**, enter: | #+11 | 2 | 3 | 4 |

∗45 PHONE SYSTEM SELECT   [3] ☐ †

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

∗46 REPORT FORMAT   [7] ☐ †   [7] ☐ †
                              Primary   Secondary
5 = ADEMCO CONTACT ID w/ 10-DIGIT ACCT NO.
7 = ADEMCO CONTACT ID w/ 4-DIGIT ACCT. NO.

∗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

∗48 DIALER DLY (BURG/FIRE) (in sec)   [20] ☐ †

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

∗53 PAGER PHONE NO.

Enter up to 20 digits; do **NOT** fill unused spaces. If fewer than 20 digits entered, exit this field by pressing ∗ (then press 54, to enter next field). To clear entries from this field, press ∗53∗.

∗54 PAGER REPORTS   [0] ☐

0 = No reports sent
1 = Open/close for all users
3 = Open/close for users 5-15; wireless key zones entered in zone list 6
4 = All alarms and troubles
5 = All alarms and troubles; open/close for all users
7 = All alarms and troubles; open/close for users 5-15; wireless key zones entered in zone list 6
12 = Alarms and troubles for zones entered in zone list 6
13 = Alarms and troubles for zones entered in zone list 6; open/close for all users
15 = All alarms and troubles for zones entered in zone list 6; open/close for users 5-15; wireless key zones entered in zone list 6

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† 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] ☐

∗56 / ∗58 ZONE ASSIGNMENT/ALARM REPORT CODES (cont'd)

ZONE DESCRIPTION	Zn		ZONE TYPE		ALARM RPT CODE (Hex)			INPUT TYPE		LEARNED RF INPUT	
Wired Zone 5	0	5	[03]		[01] [00]			HW	[1]		
Wired Zone 6	0	6	[04]		[01] [00]			HW	[1]		

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

	Zn		ZT		RC						
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]	
RF Zones	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]	[04]		[07]

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

In = LOOP INPUT TYPE

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

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

Hardwire zone input types are automatically assigned.

RT = RESPONSE TIME 0 = 10 mSec; 1 = 350 mSec; 2 = 700 mSec. Default Values for zones 01 – 06 = 1 (350 mSec)
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 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 |

∗59 EXIT ERROR REPORT CODE   [1]
∗60 TROUBLE REPORT CODE   [00]

∗61 BYPASS REPORT CODE   [00]
∗62 AC LOSS REPORT CODE   [00]
∗63 LOW BAT REPORT CODE   [10]
∗64 TEST REPORT CODE   [20]
∗65 OPEN REPORT CODE   [0]
∗66 ARM AWAY/STAY RPT CODE   [00]
                                                    AWAY   STAY
∗67 RF XMTR LOW BAT REPORT CODE   [30]
∗68 CANCEL REPORT CODE   [40]

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   [50]
∗75 RF XMTR LO BAT RST RPT CODE   [60]
∗76 TEST RESTORE RPT CODE   [00]

† For System Status and Restore reports: Do **NOT** enter report codes for conditions that are being sent to the pager only.

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 SIGNALLING (∗79)

               1st Entry   2nd Entry

∗**79** DYNAMIC SIGNALLING   [0] ☐ †   [0] ☐ †

D S Delay; 0-15 times a 15-sec delay
           1 = 15 secs; 2 = 30 secs; 3 = 45 secs;
           4 = 60 secs…etc.
           Default = 0. Redundant reports will be
           sent to both the Primary Phone No.
           and LRR.
D S Priority; 0 = Send message to Primary
           Phone No. first;
           1 = Send message to LRR first.
           Default = 0.

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

OUTPUT AND SYSTEM SETUP (∗80 – ∗93)

∗**80** OUTPUT RELAYS AND POWERLINE CARRIER DEVICES ∗**81** ZONE LISTS FOR OUTPUT DEVICES	*Program only if Relays and/or Powerline Carrier devices are to be used. See page 9.*

∗**82** CUSTOM ALPHA EDITING (Also entered from field ∗56) *See procedure in instructions.*

∗**83** FUNCTION KEY PROGRAMMING
This field is an interactive mode. Fill in the required data in the worksheet that follows and follow the programming procedure in the installation manual.

KEY No.	(01) A	(02) B	(03) C	(04) D
FUNCTION				
	[05]	[06]	[12]	[10]

00 = Programs the FUNCTION of each key as
    follows:
    A: Zone 95
    B: Zone 99
    C: Zone 96
    D: Single button paging

01 = Arm AWAY	07 = Sngl-btn paging
02 = Arm STAY	08 = Time/Date display
03 = Arm NIGHT-STAY	09 = Macro enable
04 = Lights ON/OFF	10 = Spcl Function #1
05 = Cancel Key	11 = Spcl Function #2
06 = TEST	12 = Not Used

∗**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

∗**86** SPECIAL FUNCTION PROGRAMMING
This field is an interactive mode. Fill in the required data in the worksheet that follows and follow the programming procedure in the installation manual.

FIELD	SPCL FNCTN #1	SPCL FNCTN #2
CID CODE	[7] [51] ☐	[7] [52] ☐
RPT CODE	[10] ☐	[10] ☐
RPT/LOG AS	[0] ☐	[1] ☐
	0 = Trouble 1 = Alarm	
ADD TO ZONE LIST 6	[0] ☐	[0] ☐
SOUNDER OPTION	[0] ☐	[0] ☐

    0 = Silent, 1 = Keypad, 2 = Bell, 3 = Keypad & Bell

∗**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)

☐☐☐☐☐☐☐☐

☐☐☐☐☐☐☐☐

(See field ∗41 for programming instructions)

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

∗**90** EVENT LOGGING   [15] ☐

0 = None; 1 = Alarm/Alarm Restore;
2 = Trouble/Trouble Restore; 4 = Bypass/Bypass Restore; 8 = Open/Close.
Example: To select "Alarm/Alarm Restore" and "Open/Close," enter 9 (1 + 8); to select all, enter #+15.
Note: System messages are logged when any non-zero selection is made.

⋆**91** OPTION SELECTION (AAV) [8] ☐

0 = None;
4 = AAV;
8 = Enable Exit Delay Restart;
12 = Both enabled.
0 for UL installations.
Note: AAV should not be used when Pager Reports or Secondary reporting is used. See.AAV section in the Installation Instructions.

⋆**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 [6] ☐

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 DWNLDING [15] ☐

0 = Disable Station Initiated Download; 1–14 = number of rings (1–9, # +10 =10, # +11 =11, # +12 =12, # +13 =13, # +14 =14); 15 = answering machine defeat (# +15 =15)
Note: Do not enter 0 if using 4285/4286 Voice Module.

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

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

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. Tampers of expansion units cannot be used to operate devices.

DEVICE NUMBER	ACTION (A)	START = either or both-			STOP = 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**	☐	☐	☐	☐ ☐	☐	☐ ☐	☐
OUTPUT RELAY OR P.L.C.D.* **02**	☐	☐	☐	☐ ☐	☐	☐ ☐	☐
OUTPUT RELAY OR P.L.C.D.* **03**	☐	☐	☐	☐ ☐	☐	☐ ☐	☐
OUTPUT RELAY OR P.L.C.D.* **04**	☐	☐	☐	☐ ☐	☐	☐ ☐	☐

* 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 Trouble
04 = Interior Follower	10 = Interior w/Delay
05 = Trouble Day/Alarm Night	24 = Silent Burglary

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

Choices for System Operation are:

20 = Arming–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 earlier.

∗**81**   **ZONE LISTS FOR OUTPUT DEVICES** (01 - 03); Cross Zones (04); Night-Stay Zones (05) and Pager Reporting (06). 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.

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.

Zone List 06: Pager Reporting list: All zones in this list will report to the pager independent of the report code enabled for these zones.

☐☐ , ☐☐ , ☐☐ , ☐☐ , ☐☐ , ☐☐ , ☐☐ , ☐☐ , ☐☐ , ☐☐ ...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.

ENROLLED TRANSMITTERS					
ZONE No.	ZONE TYPE	ZONE INPUT TYPE	SERIAL No. (If applicable) Stick Serial No. Label from Transmitter Here	LOOP No.	DEVICE LOCATION

ZONE No.	ZONE TYPE	ZONE INPUT TYPE	SERIAL No. (If applicable) Stick Serial No. Label from Transmitter Here	LOOP No.	DEVICE LOCATION
ENROLLED TRANSMITTERS (cont'd)					

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K4332 9/99 (See Instructions K4331)