Honeywell

ADEMCO VISTA SERIES
VISTA-50P/VISTA-50PUL

Commercial Burglary
Partitioned Security System
With Scheduling

Programming Guide

VISTA50P-PRV2 5/04 Rev A

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The purpose of this document is to provide a quick and easy way to program your entire system. A recommended programming procedure is included, followed by a list of program fields with the corresponding program group they belong to (system-wide, partition-specific, scheduling, etc.). Two program forms are included. One contains all the programming fields, and the other contains the partition-specific fields. If you are setting up a single-partition system, the partition-specific fields become system-wide fields.

Following the program forms are system layout worksheets. We recommend that you use these sheets to plan your system before programming is performed. If you need further information about specific programming options, see the *ADEMCO VISTA-50P/VISTA-50PUL Installation and Setup Guide*.

Make sure that one two-line alpha keypad is connected to the control and is set to device address "00."

Single-Partition System

The system default is for a single-partition system. Use the VISTA-50P/VISTA-50PUL SINGLE PARTITION PROGRAMMING FORM when programming for single-partition usage. Follow the steps outlined in RECOMMENDED PROGRAMMING PROCEDURE of this document for proper programming procedure.

Multiple-Partition System

You must enter the number of partitions you are using in data field 2*00 to set the system for multiple partitions. Use the VISTA-50P/VISTA-50PUL SINGLE PARTITION and the PARTITION-SPECIFIC PROGRAM FORMS when programming the system for multiple partitions. Follow the steps outlined in RECOMMENDED PROGRAMMING PROCEDURE of this document for proper programming procedure.

SUMMARY OF PROGRAMMING COMMANDS

- **To enter program mode,** enter installer code + [8] + [0] + [0]
- **To set standard defaults,** press ✱97
- **To change to next page of program fields,** press ✱94
- **To return to previous set of fields,** press ✱99
- **To erase account and phone number field entries,** press [✱] + field number + [✱]
- **To assign zone descriptors,** press #93 + follow menu prompts
- **To add custom words,** press #93 + follow menu prompts
- **To enter Installer's Message,** press #93 + follow menu prompts
- **To exit program mode,** enter ✱99 OR ✱98: ✱99 allows re-access to programming mode by installer code. ✱98 prevents re-access to programming mode by installer code.

Standard default (✱97) values are shown in brackets [ ], otherwise default = 0.

Recommended Programming Procedure

The following is a step-by-step procedure recommended for programming your VISTA-50P/VISTA-50PUL system.

1. **Set the keypads (and other peripheral devices) to the appropriate addresses.**
2. **Set factory defaults by pressing ∗97.**
   This will automatically enable keypad addresses 00-03, so be sure at least one keypad is set to one of these addresses.
3. **Program system-wide (global) data fields.**
   Using the programming form as a guide, enter program mode and program all system-wide programming fields. These options affect the entire system, regardless of partitions. They include control options, downloader and dialer options, RF options, event logging options, etc. Refer to the *Program Field Index* for a listing of the program fields and their function.
   Note that field 2∗00 (number of partitions) must be programmed before continuing.
4. **Program partition-specific fields.**
   When the system-wide fields have been programmed, program all partition-specific programming fields by first pressing ∗91 to select a partition (while still in data field program mode). Then enter the first partition-specific field number ∗09. When you are finished, the next partition-specific field is automatically displayed. Partition-specific fields can have different values for each partition. To program the fields for the next partition, press ∗91, enter the desired partition number, then enter field ∗09. Refer to the *PROGRAMMING* section in the *ADEMCO VISTA-50P/VISTA-50PUL Installation and Setup Guide* for detailed instructions.
5. **Use #93 Menu Mode for device programming.**
   Refer to *Device Programming* in this guide to assign keypad ID numbers and default partitions for each keypad, and to selectively suppress certain keypad sounding options. Also use this mode to assign RF receivers, relay modules, the VIP module, the ECP Long Range Radio, and the VISTA Gateway Module.
6. **Use #93 Menu Mode for zone programming.**
   Refer to *Zone Programming* in this guide to program zone response types, assign right loop zones and wireless zones, assign zones to partitions, and to program alarm report codes.
7. **Use #93 Menu Mode for programming outputs.**
   Refer to *Output Programming* in this guide to program desired output operation.
8. **Program Communication options.**
   Refer to *System Communication* section in the *ADEMCO VISTA-50P/VISTA-50PUL Installation and Setup Guide* for detailed instructions. Then use #93 menu mode to program report codes.
9. **Use #93 Menu Mode for programming alpha descriptors.**
   Refer to *Alpha Programming* in this guide to enter zone and partition descriptors and a custom installer's message.
10. **Use #93 Menu Mode for relay voice descriptors and custom word substitutes.**
    Refer to *Relay Voice Descriptors* in this guide for further instructions for programming relay descriptors to be annunciated by the VIP module, as well as the *Custom Index* section for custom word substitutes.
11. **Use #80 Mode for programming schedules.**
    Refer to the *Scheduling Menu Prompts* in the *ADEMCO VISTA-50P/VISTA-50PUL Installation and Setup Guide* to program open/close schedules, temporary and holiday schedules, limitation of access schedules, and time-driven events.
12. **Define user access codes.**
    Refer to *User Access Codes* in the *ADEMCO VISTA-50P/VISTA-50PUL Installation and Setup Guide* to program authority level, O/C reporting option, partition assignments, and RF key assignments for each user.
13. **Exit Programming Mode.**
    Exit programming mode by pressing either ∗98 or ∗99. Additional entries of ∗99 are required if the exit is being done from fields 1∗00 and above.

    To prevent re-access to programming mode using the Installer's code, use ∗98. The only way to re-access programming mode is by depressing both the [∗] and [#] keys at the same time within 30 seconds of power-up.

    Exiting by using ∗99 always allows reentry into programming mode using the Installer code. Either way of exiting allows access via downloading. Note that if local programming lockout is set via downloading, programming mode cannot be entered at the keypad.

Program Field Index

On the following pages, the programming fields have been arranged in numerical order. Use this index to cross-reference the fields on the programming form.

Field	Group
*00	System-Wide
*02	# 93 Menu Mode
*03	# 93 Menu Mode
*04	# 93 Menu Mode
*05	# 93 Menu Mode
*09	Partition-Specific
*10	Partition-Specific
*11	Partition-Specific
*12	Partition-Specific
*13	Partition-Specific
*14	System-Wide
*15	System-Wide
*16	Partition-Specific
*17	System-Wide
*19	System-Wide
*20	System-Wide
*21	System-Wide
*22	Partition-Specific
*23	Partition-Specific
*24	System-Wide
*25	System-Wide
*26	Communications
*27	Communications
*28	System-Wide
*29	Partition-Specific
*30	Communications
*31	Communications
*32	Partition-Specific
*33	Communications
*34	Communications
*35	System-Wide
*36	System-Wide
*37	System-Wide
*38	Partition-Specific
*39	Partition-Specific
*40	Communications
*41	System-Wide
*42	Communications
*43	Communications
*44	Communications
*45	Communications
*46	Communications
*47	Communications
*48	Communications
*49	Communications
*50	Communications
*51	Communications
*52	Communications
*53	Communications
*54	System-Wide
*56	Communications
*57	Communications
*58	Communications
*59	Communications
*60	Communications
*61	Communications
*62	Communications
*63	Communications
*64	Communications
*65	Communications
*66	Communications
*67	Communications
*68	Communications
*69	Communications
*70	Communications
*71	Communications
*72	Communications
*73	Communications
*74	Communications
*75	Communications
*76	Communications
*77	Communications
*78	Communications
*79	Communications
*80	Communications
*81	Communications
*82	Communications
*83	Communications
*84	Partition-Specific
*85	Partition-Specific
*87	Partition-Specific
*88	Partition-Specific
*89	Communications
*90	Partition-Specific
1*01	# 93 Menu Mode
1*02	# 93 Menu Mode
1*03	# 93 Menu Mode
1*04	# 93 Menu Mode
1*05	# 93 Menu Mode
1*06	# 93 Menu Mode
1*07	# 93 Menu Mode
1*08	# 93 Menu Mode
1*09	# 93 Menu Mode
1*17	System-Wide
1*18	Partition-Specific
1*19	Partition-Specific
1*20	System-Wide
1*21	System-Wide
1*22	System-Wide
1*23	System-Wide
1*24	System-Wide
1*25	System-Wide
1*28	System-Wide
1*29	System-Wide
1*30	System-Wide
1*31	System-Wide
1*33	Communications
1*34	Communications
1*35	Communications
1*36	Communications
1*37	Communications
1*38	Communications
1*39	Communications
1*40	Communications
1*41	Communications
1*42	Communications
1*43	Partition-Specific
1*44	System-Wide
1*45	Partition-Specific
1*46	System-Wide
1*47	Partition-Specific
1*48	System-Wide
1*49	System-Wide
1*52	Partition-Specific
1*53	System-Wide
1*57	System-Wide
1*58	System-Wide
1*60	System-Wide
1*70	System-Wide
1*71	System-Wide
1*72	System-Wide
1*73	System-Wide
1*74	System-Wide
1*75	System-Wide
1*76	Partition-Specific
2*00	System-Wide
2*01	System-Wide
2*02	System-Wide
2*05	Partition-Specific
2*06	Partition-Specific
2*07	Partition-Specific
2*08	Partition-Specific
2*09	Partition-Specific
2*10	Partition-Specific
2*11	System-Wide
2*13	Communications
2*14	Communications
2*18	Partition-Specific
2*19	System-Wide
2*20	Partition-Specific
2*21	System-Wide

VISTA-50P/VISTA-50PUL Programming Form

Some fields are programmed for each partition (shown as shaded fields). If you are programming a multiple-partition system, see the *Partition-Specific Fields* section for programming these fields. Standard default (*97) values are shown in brackets [ ].

***00** INSTALLER CODE | | | | |

Enter 4 digits, 0-9 [4140]

***02 — *05** RESPONSE TYPES FOR ZONES
Skip these fields. Use #93 Menu Mode, Zone Programming to program the response types.

***09** ENTRY DELAY #1 [02] |

00, 02-15 times 15 seconds
Maximum "03" for UL.

***10** EXIT DELAY #1 [03] |

00, 03-15 times 15 seconds
Maximum "04" for UL installations.

***11** ENTRY DELAY #2 [06] |

00, 02-15 times 15 seconds (must be longer than Entry Delay #1). Maximum "03" for UL installations.

***12** EXIT DELAY #2 [08] |

00, 03-15 times 15 seconds (must be longer than Exit Delay #1). Maximum "04" for UL installations.

***13** ALARM SOUNDER DURATION [04] |

01-15 times 2 minutes. Must be minimum 16 minutes for UL installations.

***14** ZONE 9 RESPONSE TIME [0] ☐

Enter 1 for fast response time 10ms
Enter 0 for normal response time 350ms.
Must be 0 for UL installations.

***15** KEYSWITCH ASSIGNMENT [0] ☐

Enter partition in which keyswitch used, 1-8; 0=disable

***16** CONFIRMATION OF ARMING DING [0] ☐

1=enable; 0=disable.
Must be "1" for UL Installations.

***17** AC LOSS KEYPAD SOUNDING [0] ☐

1=yes; 0=no

***19** RANDOMIZE AC LOSS REPORT [0] ☐

1=10-40 min; 0=normal report (about 2 min. after AC loss).

***20** VIP MODULE PHONE CODE | | | |

Enter 01 - 09 for the first digit; enter 11 for "*" or 12 for "#" for the second digit. [00], [11]
Must be set to "0" for UL installations.

***21** PREVENT FIRE TIMEOUT [0] ☐

1=No timeout; 0=Timeout.

***22** KEYPAD PANIC ENABLES [001] ☐ ☐ ☐

1=enable; 0=disable 995 996 999

***23** MULTIPLE ALARMS [1] ☐

1=yes; 0=no

***24** IGNORE EXPANSION ZONE TAMPER [0] ☐

1=Ignore; 0=Enable tamper for RF and RPMs.
Must be "0" for UL installations if using these devices.

***25** BURG.TRIGGER FOR RESPONSE TYPE 8 [1] ☐

1=enable; 0=disable

***26** INTELLIGENT TEST REPORTING [0] ☐

1=yes (no report sent if any other report was recently sent); 0=no (send report at programmed interval, field *27)
Must be 0 for UL installations.

***27** TEST REPORT INTERVAL [024] | | |

Enter interval in hours, 001-999; 0000=no report;
Max. 024 for UL installations.

***28** POWER UP IN PREVIOUS STATE [1] ☐

1=yes; 0=no; "1" for UL installations.

***29** QUICK ARM [1] ☐

1=yes; 0=no

***30** TOUCHTONE OR ROTARY DIAL [0] ☐

1=TouchTone; 0=rotary

***31** PABX ACCESS CODE | | | | |

00-09; B-F (11-15)

***32** PRIM. SUBS. ACCT # | | | | |

Enter 00-09; B-F (11-15) [15 15 15 15]

***33** PRIMARY PHONE NUMBER

☐☐☐☐☐☐☐☐☐☐
☐☐☐☐☐☐☐

Enter 0-9 for each digit. Enter #11 for *, #12 for #, #13 for 2 second pause

***34** SECONDARY PHONE NUMBER

☐☐☐☐☐☐☐☐☐☐
☐☐☐☐☐☐☐

Enter 0-9 for each digit. Enter #11 for *, #12 for #, #13 for 2 second pause

***35** DOWNLOAD PHONE NO.

☐☐☐☐☐☐☐☐☐☐
☐☐☐☐☐☐☐

Enter 0-9 for each digit. Enter #11 for *, #12 for #, #13 for 2 second pause

***36** DOWNLOAD ID NO.

| | | | | | | | |

Enter 00-09; A-F (10-15) [15 15 15 15 15 15 15 15]

***37** DOWNLOAD COMMAND ENABLES

☐ ☐ 0 ☐ ☐ ☐ ☐ ☐

Dlr ShtdwnSys ShtdwnNot UsedRmt BypRmt DisarmRmt ArmUpld PgmDwnld Pgm

See field 1*53 for Callback disable option; [1=enable]; 0=disable. For UL installations, all entries must be "0."

***38** PREVENT ZONE XX BYPASS [00] |

01-86; 00 if all zones (except fire zones) can be bypassed

***39** ENABLE OPEN/CLOSE REPORT FOR INSTALLER CODE [0] ☐
1=enable; 0=disable

***40** OPEN/CLOSE REPORT FOR KEYSWITCH [0] ☐
1=enable; 0=disable

***41** NORMALLY CLOSED or EOLR (Zones 2-8) [1] ☐
1=N.C.loops; 0=EOLR supervision.
Must be "0" for UL installations.

***42** DIAL TONE PAUSE [0] ☐
0=5 seconds; 1=11 seconds; 2=30 seconds.
Must be "0" UL Installations.

***43** DIAL TONE DETECTION [1] ☐
1=wait for true dial tone; 0=pause, then dial

***44** RING DETECTION COUNT [00] ☐☐
01-14; 15=answering machine; 00=no detection.
Must be "00" for UL Burglary.

***45** PRIMARY FORMAT [1] ☐
0=Low Speed; 1=Contact ID; 2=ADEMCO High Speed;
3= ADEMCO Express

***46** LOW SPEED FORMAT (Primary) [0] ☐
0= ADEMCO Low Speed; 1=Sescoa/Radionics

***47** SECONDARY FORMAT [1] ☐
0=Low Speed; 1=Contact ID; 2= ADEMCO High Speed;
3= ADEMCO Express

***48** LOW SPEED FORMAT (Sec.) [0] ☐
0= ADEMCO Low Speed; 1=Sescoa/Radionics

***49** CHECKSUM VERIFICATION [0] [0] ☐ ☐
1=yes; 0=no Prim Sec

***50** SESCOA/RADIONICS SELECT [0] ☐
1=Sescoa; 0=Radionics

***51** DUAL REPORTING [0] ☐
1=yes; 0=no If used with Spilt Reporting "1" option (1*34), alarms and alarm restores go to both primary & secondary numbers, while all other reports go to secondary only. If used with Split Reporting "2" option, alarms and alarm restores go to both, open/close and test messages go to secondary only, while all other reports go to primary.

***52** STANDARD/EXPANDED REPORT FOR PRIMARY
[0 0 0 0 0 0] ☐☐☐☐☐☐
Alarm Rstr Byp Trbl O/C LoBat
0=standard; 1=expanded;
Note: Expanded overrides 4+2 format.

***53** STANDARD/EXPANDED REPORT FOR SECONDARY
[0 0 0 0 0 0] ☐☐☐☐☐☐
Alarm Rstr Byp Trbl O/C LoBat
0=standard; 1=expanded;

***54 — *57** ALARM REPORT CODES & ID DIGITS FOR ZONES 01-16.
Skip these fields. Use #93 Menu Mode, Zone Programming to program the report codes.

***58** SUPERVISORY AND RESTORE CODES FOR ZONES 01-16. Enter 00-09; B-F (11-15). Default = [00 00 00 00 00]
☐☐☐☐☐
Alarm Rst Trbl Trbl Rst Byp Byp Rst

***59 — *62** ALARM REPORT CODES & ID DIGITS FOR ZONES 17-32.
Skip these fields. Use #93 Menu Mode, Zone Programming to program the report codes.

***63** SUPERVISORY AND RESTORE CODES FOR ZONES 17-32. Enter 00-09; B-F (11-15). Default = [00 00 00 00 00]
☐☐☐☐☐
Alarm Rst Trbl Trbl Rst Byp Byp Rst

***64 — *67** ALARM REPORT CODES & ID DIGITS FOR ZONES 33-48.
Skip these fields. Use #93 Menu Mode, Zone Programming to program the report codes.

***68** SUPERVISORY AND RESTORE CODES FOR ZONES 33-48. Enter 00-09; B-F (11-15). Default = [00 00 00 00 00]
☐☐☐☐☐
Alarm Rst Trbl Trbl Rst Byp Byp Rst

***69 — *72** ALARM REPORT CODES & ID DIGITS FOR ZONES 49-64.
Skip these fields. Use #93 Menu Mode, Zone Programming to program the report codes.

***73** SUPERVISORY AND RESTORE CODES FOR ZONES 49-64. Enter 00-09; B-F (11-15). Default = [00 00 00 00 00]
☐☐☐☐☐
Alarm Rst Trbl Trbl Rst Byp Byp Rst

***74 — *77** ALARM REPORT CODES & ID DIGITS FOR ZONES 81-99.
Skip these fields. Use #93 Menu Mode, Zone Programming to program the report codes.

***78** SUPERVISORY AND RESTORE CODES FOR ZONES 81-99. Enter 00-09; B-F (11-15). Default = [00 00 00 00 00]
☐☐☐☐☐
Alarm Rst Trbl Trbl Rst Byp Byp Rst

ZONE TYPE RESTORE ENABLES

***79** FOR ZONE TYPES 1-8
☐☐☐☐☐☐☐☐
1 2 3 4 5 6 7 8
1=enable; [0=disable]

***80** FOR TYPES 9, and 10 ☐☐
9 10
1=enable; [0=disable]

***80 — *81** SYSTEM NON-ALARM CODES
Enter 00-09; B-F (11-15).
Default = 00 for all reports

	*80 1st Digit	*81 2nd Digit
Close		
Open		
Low Battery		
Low Battery Restore		
AC Loss		
AC Restore		
Test		
Power Up		
Cancel		
Program Tamper		

***83** FIRST TEST REPORT TIME
[Day 00; hour 12; min 00] Days 01-07 Hours 00-23 Min 00-59; 00 in all boxes = instant (Day 01= Monday)

***84** SWINGER SUPPRESSION [01]
01-15 alarms
Must be "00" (disabled) for UL.

***85** ENABLE DIALER REPORTS FOR PANICS & DURESS
1=enable; [0=disable]
995 996 999 Duress

***87** ENTRY WARNING [1]
1=continuous; 0=3 beeps

***88** BURG. ALARM COMM. DELAY [0]
1=16 seconds; 0=no delay
Must be "0" for UL installations.

***89** RESTORE REPORT TIMING [0]
0=Instant; 1=After bell timeout if zone is restored; 2=when system is disarmed. Must be "0" for UL installations.

***90** SEC. SUBS. ACCT #
Enter 00-09; B-F (11-15) [15 15 15 15]

2nd Page Programming Fields (press *94)

1*01 — 1*09 ASSIGN RESPONSE TYPE FOR ZONES.
Skip these fields. Use #93 Menu Mode, Zone Programming to program the response types.

1*17 LOBBY PARTITION [0]
Enter the "common lobby" partition (1-8)

1*18 AFFECTS LOBBY [0]
Enter 1 if this partition affects the common lobby; enter 0 if it does not.
Must be "0" for UL installations.

1*19 ARMS LOBBY [0]
Enter 1 if arming this partition attempts to arm lobby; enter 0 if it does not.
Must be "0" for UL installations.

1*20 EXIT ERROR LOGIC ENABLE [0]
0=No; 1=Bypass E/E and Interior zones faulted after exit delay.
Must be "0" for UL installations.

1*21 EXIT DELAY RESET [0]
0=No; 1=Resets Exit Delay to programmed value after zone is closed and then faulted prior to end of exit delay.
Must be "0" for UL installations.

FIELDS 1✳22-1✳25: Allow four sets of two zones each to be linked so that both must fault within a five minute period to cause an alarm. Default for these fields = [000], [000].

1*22 CROSS-ZONING PAIR ONE

1*23 CROSS-ZONING PAIR TWO

1*24 CROSS-ZONING PAIR THREE

1*25 CROSS-ZONING PAIR FOUR

MISCELLANEOUS WIRELESS OPTIONS
Fields 1*28 - 1*31 are not applicable for UL installations.

1*28 RF TX LOW BATTERY SOUND [0]
1=immediate; 0=when disarmed

1*29 RF TX LOW BATTERY REPORTING [0]
1=enable; 0=disable

1*30 RF RCVR CHECK-IN INTERVAL [06]
02-15 times 2 hours; 00 disables supervision

1*31 RF XMITTER CHECK-IN INTERVAL [12]
02-15 times 2 hours; 00 disables transmitter supervision

1*33 TOUCHTONE W/ROTARY BACKUP [0]
1=enable; 0=disable

1*34 COMM. SPLIT REPORTING [0]
0=no; 1=alarms and alarm restores primary, others secondary; 2=open/close, test secondary, others primary. See ✳51 for comments if using with dual reporting.

1*35 — 1*38 ALARM REPORT CODES & ID DIGITS FOR ZONES 65-80.
Skip these fields. Use #93 Menu Mode, Zone Programming to program the report codes.

1*39 SUPERVISORY AND RESTORE CODES FOR ZONES 65-80. Enter 00-09; B-F (11-15).
Default = [00 00 00 00 00]

Alarm Rst Trbl Trbl Rst Byp Byp Rst

1*40 — 1*41 NON-ALARM DIALER CODES
Enter 00-09; B-F (11-15).
Default = 00 for all reports

	1*40 1st Digit	1*41 2nd Digit
Armed STAY		
Time/Date Set or Event Log Reset		
Event Log 50% & 90% Full		
Event Log Overflow		
Exit Error (Zone)		
Exit Error (User)		
Recent Close		

1*42 CALL WAITING DEFEAT [0]
1=Yes; 0=No

1*43 PERM. KEYPAD BACKLIGHT [0]
1=enable; 0=disable When disabled, display lights when any key is pressed, and turns off after period of keypad inactivity.

1*44 WIRELESS KEYPAD TAMPER DETECTION [0]
1=enable; 0=disable.
Must be "0" for UL installations.

1*45 EXIT DELAY SOUNDING [0]
1=enable; 0=disable. Produces quick beeping during exit delay if enabled.

1*46 AUXILIARY OUTPUT MODE [0]
Enter **0** for ground start output.
Enter **1** for open/close trigger (is produced only if all partitions are armed.
Enter **2** for keypad-like sounding. Applies to the partition enabled in field *15.
Enter **3** if AAV module is being used.
NOTE: Only one of the above options may be active within the system.

1*47 CHIME ON EXTERNAL SIREN [0]
1=enable; 0=disable

1*48 WIRELESS KEYPAD ASSIGNMENT [0]
0=disable; enter partition in which RF keypad used, 1-8.
Must be "0" for UL installations.

1*49 SUPPRESS TX SUPERVISION SOUND [1]
1=disable; 0=enable.
Must be "0" for UL installations.

1*52 SEND CANCEL IF ALARM + OFF [1]
1=no restriction; 0=within bell timeout period only

1*53 DOWNLOAD CALLBACK [0]
1=callback not required; 0=callback required.
Must be "0" for UL installations.

1*57 5800 RF BUTTON GLOBAL ARM [0]
1=enable; 0=disable

1*58 5800 RF BUTTON FORCE ARM [0]
Enter "1" to enable. If a zone is faulted after pressing button, keypad will beep once. Pressing the button again within 4 sec. bypasses the zone. Enter "0" to disable.
Must be "0" for UL installations.

1*60 ZONE 5 AUDIO ALARM VERIFICATION [0]
Enter 1 If 2-way audio (AAV) is being used; Enter 0 if it is not.
Must be "0" for UL installations.

1*69 PRINTER TYPE [0]
Enter 0 if you are using a parallel printer connected to the VA8201 Alpha Pager Module.
Enter 1 if you are using a serial printer.

1*70 EVENT LOG TYPES
[1 0 0 0 1] Alarm Chk Byp O/C Syst
1=enable; 0=disable

1*71 12/24 HOUR TIME STAMP FORMAT [0]
0=12 hour; 1=24 hour

1*72 EVENT LOG PRINTER ON-LINE [0]
0=disable; 1=enable

1*73 PRINTER BAUD RATE [0]
1=300; 0=1200

1*74 RELAY TIMEOUT XXX MINUTES [000]
Enter the relay timeout, **000-127** in multiples of 2 minutes, desired for #80 Menu Mode time-driven event relay command numbers "04/09" and #93 Menu Mode Output Programming output command "56."

1*75 RELAY TIMEOUT YYY SECONDS [000]
Enter the relay timeout, **000-127** seconds, desired for #80 Menu Mode time driven event relay command numbers "05/10" and #93 Menu Mode Output Programming command "57."

1*76 ACCESS CONTROL RELAY [00]
Relay will be pulsed for 2 seconds whenever code + [0] is pressed. Enter 00-16; 00=none.
Must be "00" for UL.

3rd Page Programming Fields (press *94)

2*00 NUMBER OF PARTITIONS [1]
Enter 1-8

2*01 DAYLIGHT SAVING TIME [04, 10]
START/END MONTH Start End
00-12; if no daylight saving time, enter 00,00

2*02 DAYLIGHT SAVING TIME [1, 5]
START/END WEEKEND Start | End
Enter 1-7. 1=first; 2=second; 3=third; 4=fourth; 5=last; 6=next to last; 7=3rd from last [1,5]

2*05 AUTO-ARM DELAY [15]
Enter the time between the end of the arming window and the start of auto-arming warning period, in values of 1-14 times 4 minutes 00=instant; [15=no auto arm at all]. When this delay expires, the Auto-Arm Warning Period begins.

2*06 AUTO-ARM WARNING PERIOD [15] [|]

This is the time during which the user is warned to exit the premises prior to the auto-arming of the system (beeps every 15 seconds; "ALERT" displayed). Enter 01-15 minutes. 00=instant at end of arming delay.

2*07 AUTO-DISARM DELAY [15] [|]

This is the time between the end of the disarming window and the start of auto-disarming. Enter 01-14 times 4 minutes; 00=instant at end of window; 15=no auto-disarm.

2*08 ENABLE FORCE ARM FOR AUTO-ARM [0] [ ]

0=disable; 1=enable

2*09 OPEN/CLOSE REPORTS BY EXCEPTION [0] [ ]

1=enable; 0=disable
If enabled, only openings and closings occurring outside the scheduled opening/closing windows will trigger dialer reports. Opening reports will also be suppressed during the closing window, in order to prevent false reports when the user arms the system and then reenters the premises to retrieve a forgotten item.

2*10 ALLOW DISARMING ONLY DURING [0] [ ]

ARMING/DISARMING WINDOWS
0=disable; 1=enable
See system-wide field 2*11 if enabling field 2*10. This feature adds high security to the installation.

2*11 ALLOW DISARM OUTSIDE WINDOW [0] [ ]

IF ALARM OCCURS
Used only if field 2*10 (partition-specific field) is set to "1." If this field is enabled ("1") the system can be disarmed outside the disarm window if an alarm has occurred. If "0," disarming can only be done during the disarm window. If field 2*10 is set to "0" for a partition, this field has no effect for that partition.

2*13 — 2*14 SCHEDULING RELATED REPORT CODES
Enter 00-09; B-F (11-15).
Default = 00 for all reports

	2*13 1st Digit	2*14 2nd Digit
Early Opening	[|]	[|]
Early Closing	[|]	[|]
Late Opening	[|]	[|]
Late Closing	[|]	[|]
No Opening (late to open)	[|]	[|]
No Closing (late to close)	[|]	[|]
Auto-Arm Failure	[|]	[|]
Access Schedule Changed	[|]	[|]

2*18 ENABLE GOTO FOR THIS PARTITION [0] [ ]

1=Allow log-on from other partitions; 0=disable

2*19 USE PARTITION DESCRIPTORS [0] [ ]

0=disable; 1=enable

2*20 ENABLE J7 TRIGGERS FOR PARTITION [1] [ ]

0=disable for displayed partition; 1=enable for displayed partition

2*21 ENABLE SUPERVISION PULSES FOR LRR TRIGGER OUTPUTS [000] [| |]

Used for supervised connection to 7920SE. F B P
Enter 0 to disable or 1 to enable the listed outputs.
F= Fire; B= Burglary; P= Silent Panic/Duress.
Must be 1 for UL. Installations.

SUMMARY OF PROGRAMMING COMMANDS

- **To enter program mode,** enter installer code + [8] + [0] + [0]
- **To set standard defaults,** press *97
- **To change to next page of program fields,** press *94
- **To return to previous set of fields,** press *99
- **To erase account and phone number field entries,** press [*] + field number + [*]
- **To assign zone descriptors,** press #93 + follow menu prompts
- **To add custom words,** press #93 + follow menu prompts
- **To enter Installer's Message,** press #93 + follow menu prompts
- **To exit program mode,** enter *99 OR *98: *99 allows re-access to programming mode by installer code. *98 prevents re-access to programming mode by installer code.

Partition-Specific Fields

(Duplicate this page for each partition in the installation.)

To program these fields,

1. Press *91 to select a partition.
2. Enter a partition-specific field number (ex. *09).
3. Make the required entry.
4. Repeat steps 1-3 for each partition in the system.

PARTITION #____ PROGRAM FIELDS

1st Page Fields

***09** ENTRY DELAY #1 [02] | |

00, 02-15 times 15 seconds.
Maximum 03 for UL Listed installations.

***10** EXIT DELAY #1 [03] | |

00, 03-15 times 15 seconds.
Maximum 04 for UL Listed installations.

***11** ENTRY DELAY #2 [06] | |

00, 02-15 times 15 seconds.
Maximum 03 for UL installations.

***12** EXIT DELAY #2 [08] | |

00, 03-15 times 15 seconds.
Maximum 04 for UL installations.

***13** ALARM SOUNDER DURATION [04] | |

01-15 times 2 minutes.
Must be minimum 16 minutes for UL installations.

***16** CONFIRMATION OF ARMING DING [0] ☐

1=enable; 0=disable.
Must be "1" for UL installations.

***22** KEYPAD PANIC ENABLES [001] ☐ ☐ ☐

1=enable; 0=disable 995 996 999

***23** MULTIPLE ALARMS [1] ☐

1=yes; 0=no.
Must be 1 for UL installations.

***29** QUICK ARM [1] ☐

1=yes; 0=no

***32** PRIM. SUBS. ACCT # | | | | | | | |

Enter 00-09; B-F (11-15) [15 15 15 15]

***38** PREVENT ZONE XX BYPASS [00] | |

01-86; 000 if all zones (except fire zones) can be bypassed

***39** ENABLE OPEN/CLOSE REPORT [0] ☐
FOR INSTALLER CODE
1=enable; 0=disable

***84** SWINGER SUPPRESSION [01] | |

01-15 alarms;
Must be "00" (disabled) for UL installations..

***85** ENABLE DIALER REPORTS FOR PANICS & DURESS

1=enable; [0=disable] ☐ ☐ ☐ ☐
995 996 999 Duress

***87** ENTRY WARNING [1] ☐

1=continuous; 0=3 beeps

***88** BURG. ALARM COMM. DELAY [0] ☐

1=16 seconds; 0=no delay.
Must be "0" for UL installations. Must be "1" for SIA installations.

***90** SEC. SUBS. ACCT # | | | | | | | |

Enter 00-09; B-F (11-15) [15 15 15 15]

2nd Page Programming Fields (press *94)

1*18 AFFECTS LOBBY [0] ☐

Enter 1 if this partition affects the common lobby; enter 0 if it does not.

1*19 ARMS LOBBY [0] ☐

Enter 1 if arming this partition attempts to arm lobby; enter 0 if it does not

1*20 EXIT ERROR LOGIC ENABLE [0] ☐

0=No; 1=Bypass E/E and Interior zones faulted after exit delay.
Must be "0" for UL installations.

1*21 EXIT DELAY RESET [0] ☐

0=No; 1=Resets Exit Delay to programmed value after zone is closed and then faulted prior to end of exit delay.
Must be "0" for UL installations.

1*43 PERM. KEYPAD BACKLIGHT [0] ☐

1=enable; 0=disable. When disabled, display lights when any key is pressed, and turns off after period of keypad inactivity.

1*45 EXIT DELAY SOUNDING [0] ☐

1=enable; 0=disable. Produces quick beeping during exit delay if enabled.

1*47 CHIME ON EXTERNAL SIREN [0] ☐

1=enable; 0=disable

1*52 SEND CANCEL IF ALARM + OFF [1] ☐

1=no restriction; 0=within Bell Timeout period only

1*76 ACCESS CONTROL RELAY FOR PART.[00] | |

Relay will be pulsed for 2 seconds whenever code + [0] is pressed. Enter 00-16; 00=none.
Must be "00" for UL installations.

3rd Page Programming Fields (press *94)

2*05 AUTO-ARM DELAY [15] [ ]

Enter the time between the end of the arming window and the start of auto-arming warning period, in values of 1-14 times 4 minutes 00=instant; [15=no auto arm at all]. When this delay expires, the Auto-Arm Warning Period begins.

2*06 AUTO-ARM WARNING PERIOD [15] [ ]

This is the time during which the user is warned to exit the premises prior to the auto-arming of the system (beeps every 15 seconds; "ALERT" displayed). Enter 01-15 minutes. 00=instant at end of arming delay .

2*07 AUTO-DISARM DELAY [15] [ ]

This is the time between the end of the disarming window and the start of auto-disarming. Enter 01-14 times 4 minutes; 00=instant at end of window; 15=no auto-disarm

2*08 ENABLE FORCE ARM FOR AUTO-ARM [0] [ ]

0=disable; 1=enable

2*09 OPEN/CLOSE REPORTS BY EXCEPTION [0] [ ]

1=enable; 0=disable If enabled, only openings and closings occurring outside the scheduled opening/closing windows will trigger dialer reports. Opening reports will also be suppressed during the closing window, in order to prevent false reports when the user arms the system and then re-enters the premises to retrieve a forgotten item.

2*10 ALLOW DISARMING ONLY DURING [0] [ ]

ARMING/DISARMING WINDOWS

See system-wide field 2*11 if enabling field 2*10. This feature adds high security to the installation.
0=disable; 1=enable

2*18 ENABLE GOTO FOR THIS PARTITION [0] [ ]

1=Allow log-on from other partitions; 0=disable

2*20 ENABLE J7 TRIGGERS BY PARTITION [1] [ ]

0=disable for displayed partition; 1=enable for displayed partition

SUMMARY OF PROGRAMMING COMMANDS

- **To enter program mode,** enter installer code + [8] + [0] + [0]
- **To set standard defaults,** press *97
- **To change to next page of program fields,** press *94
- **To return to previous set of fields,** press *99
- **To erase account and phone number field entries,** press [*] + field number + [*]
- **To assign zone descriptors,** press #93 + follow menu prompts
- **To add custom words,** press #93 + follow menu prompts
- **To enter Installer's Message,** press #93 + follow menu prompts
- **To exit program mode,** enter *99 OR *98: *99 allows re-access to programming mode by installer code. *98 prevents re-access to programming mode by installer code.

Programming With #93 Menu Mode

NOTE: The following field should be preset before beginning: 2*00 Number of Partitions. In addition, receivers should be programmed via Device programming.

After programming all system related programming fields in the usual way, press #93 while still in programming mode to display the first choice of the menu driven programming functions. Press 0 (NO) or 1 (YES) in response to the displayed menu selection. Pressing 0 will display the next choice in sequence.

#93 MENU MODE KEY COMMANDS

The following is a list of commands used while in the menu mode.

#93	Enters Menu mode
[*]	Serves as ENTER key. Press to have keypad accept entry.
[#]	Backs up to previous screen.
0	Press to answer NO
1	Press to answer YES
01-09	All data entries are either 1-digit or 2-digit entries.
00	Exits menu mode, back into field programming mode, when entered at the first question for each category.

Menu selections are as follows:

PROMPT	EXPLANATION
ZONE PROG? 1 = YES 0 = NO 0	For programming the following: • Zone Number • Zone Response Type • Partition Number for Zone • Dialer report code for zone • Input Device Type for zone (whether RF, polling loop, etc.) • Enrolling serial numbers of 5800 Series transmitters & serial polling loop devices into the system.
EXPERT MODE? 1 = YES 0 = NO 0	Same as Zone Programming except: • Done with a minimum number of keystrokes. • Can program wireless keys using pre-defined templates.
ALPHA PROG? 1 = YES 0 = NO 0	For entering alpha descriptors for the following: • Zone Descriptors • Installer's Message • Custom Words • Partition Descriptors • Relay Descriptors
DEVICE PROG? 1 = YES 0 = NO 0	For defining the following device characteristics for addressable devices, including keypads, RF receivers (5881), output relay modules (4204), and 4285/4286 VIP Module: • Device Address • Device Type • Keypad Options (incl. partition assignment) • RF House ID
RELAY PGM? 1 = YES 0 = NO 0	For defining output relay functions.
RLY VOICE DESCR? 1 = YES 0 = NO 0	For entering voice descriptors for relays to be used with the 4285/4286 VIP Module.
CUSTOM INDEX ? 1 = YES 0 = NO 0	For creating custom word substitutes for VIP Module annunciation.

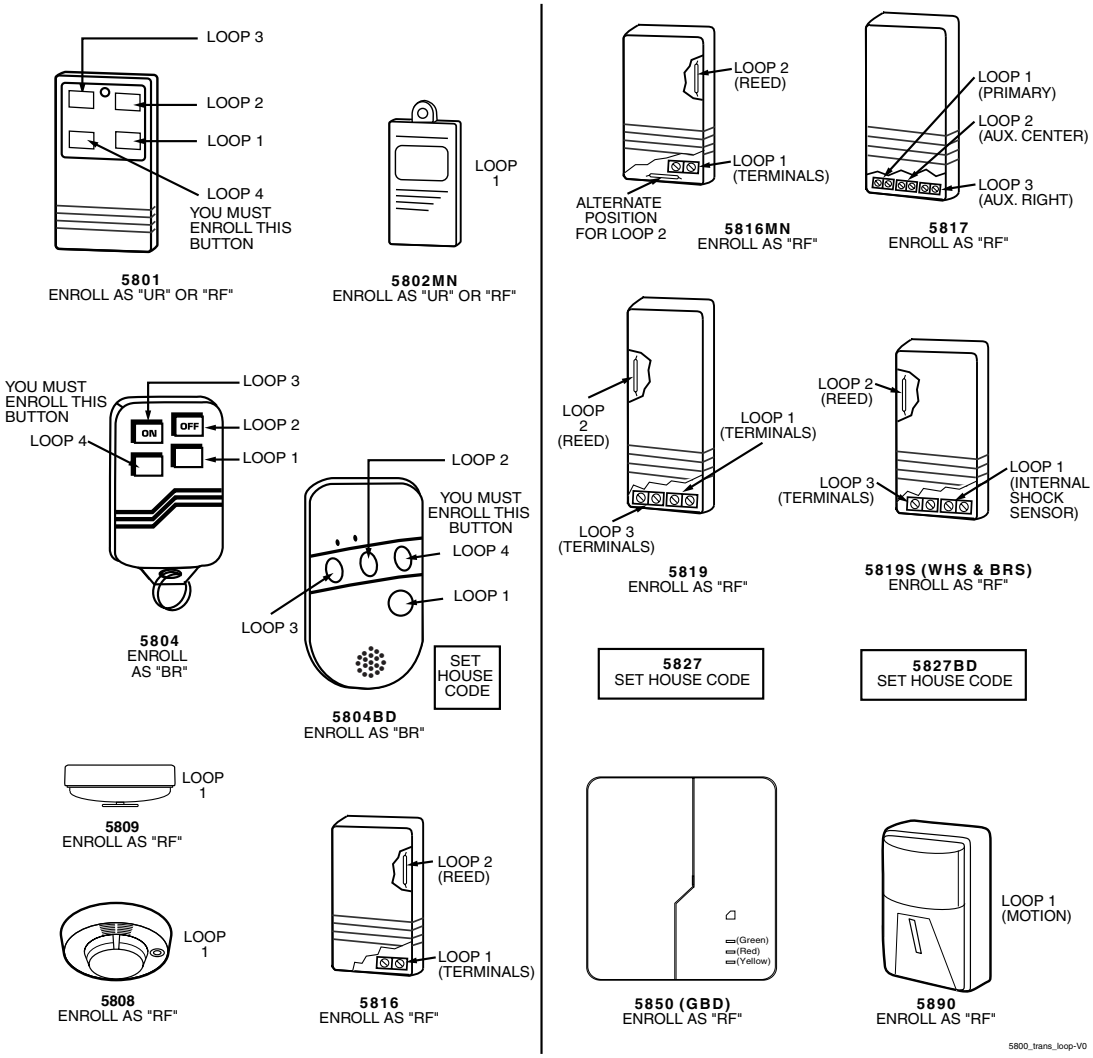
Zone Programming

If using 5800 Series transmitters, do not the install batteries until you are ready to enroll them. After enrolling the transmitter, the battery need not be removed. This is to prevent enrolling the wrong serial number.

PROMPT	EXPLANATION
ZONE PROG? 1 = YES 0 = NO 0	Press **1** to enter ZONE PROGRAMMING mode. The following screens appear. Press [✱] to display the next screen. Press # to display a previous screen.
SET TO CONFIRM? 1 = YES 0 = NO 0	This prompt appears once upon entering Zone Programming Mode. If "Yes," Confirmation prompts will be displayed after the device's Serial and Loop numbers have been entered later.
ENTER ZONE NO. 00 = QUIT 10 Zone 10 entered ↑	Enter the 2-digit zone number to be programmed, as follows: Protection Zones = 01–86 System Supervisory Zones = 88, 89, 90, 91, 92 (duress), 97 and 98 (bell supervision) Keypad Panic Zones = 95, 96, 99 Press [✱] to continue.
10 ZT P RC In L 00 1 10 00 1	This display appears, showing a summary of the zone's current programming. **ZT** = Zone Type, **P** = Partition, **RC** = Report Code, **In** = the input type of device, and **L** = the device's loop number to which the sensor is connected. Some devices can support more than one zone by means of individual loops (for example, 5801, 5804, 5816, 5817, etc.). If the zone is not programmed, the display appears as shown here. If you are checking a zone's programming, and it is programmed satisfactorily, press [#] to back up one step and enter another zone number, if desired. Press [✱] to continue.
10 ZONE TYPE PERIMETER 03 Zone number 10 and Zone Type 03 entry shown † These are special zone types used with 5800 Series Wireless Pushbutton Units that result in arming the system in the STAY or AWAY mode, or disarming the system, depending on the selection made.	Each zone must be assigned a zone type, which defines the way in which the system responds to faults in that zone. Refer to the *Zone Type Definitions* section in the *ADEMCO VISTA-50P/VISTA-50PUL Installation and Setup Guide* for detailed definitions of each zone type. Enter the zone type desired (or change it, if necessary). Available zone types are listed below. 00 = Assign for Unused Zones 01 = Entry/Exit #1, Burglary 02 = Entry/Exit #2, Burglary 03 = Perimeter, Burglary 04 = Interior Follower, Burglary 05 = Trouble Day/Alarm Night 06 = 24 Hr. Silent Alarm 07 = 24 Hr. Audible Alarm 08 = 24 Hr. Auxiliary 09 = Fire Without Verification 10 = Interior Delay, Burglary 20 = Arm–STAY† 21 = Arm AWAY† 22 = Disarm† 23 = No Alarm Response (e.g., relay activation) Press [✱] to continue.
10 Partition 1	Enter the partition number **(1–8)** you are assigning this zone to. Press [✱] to continue.
10 REPORT CODE 1st 03 2nd 12 3C	Enter the report code. The report code consists of 2 hexadecimal digits, each in turn consisting of 2 numerical digits. For example, for a report code of "3C," enter **03** for "3" and **12** for "C." (Refer to the *System Communication* section in the *Installation and Setup Guide* for more information about report codes and reporting formats.) Press [✱] to continue.

PROMPT	EXPLANATION
10 INPUT TYPE RF Xmitter 3 **Input types 4 & 5 are valid for certain 5800 Series transmitters only (e.g., 5801, 5802, 5802CP & 5803).**	Enter the input device type as follows: 00 = not used 01 = hardwired 03 = supervised RF transmitter (RF type) 04 = unsupervised RF transmitter (UR type) 05 = RF button-type transmitter (BR type) 06 = serial number polling loop device (SL type) 07 = DIP switch-type polling loop device 08 = right loop of DIP switch type device Right loops refer to the use of the right loop on a 4190WH Zone Expander Module and/or 4278 PIR, which allow hardwired devices to be monitored by the polling loop. If you are programming hardwired or DIP switch polling loop devices, the summary display appears after completing this entry. Press [✱] to continue.
10 INPUT S/N: L AXXX-XXXX 1	**For Serial Number entry and Loop Number entry, do one of the following:** a. Transmit two open and close (or close and open) sequences. For a button-type transmitter, press and release the button, wait approximately 4 seconds, then press and release the button a second time. OR b. Manually enter the 7-digit serial number printed on a label on the transmitter, using the Alpha keypad. Then press the [✱] key, the cursor moves to the "L" position. You can edit the loop number, if necessary. When the loop number is acceptable, press [✱]. OR c. Press key [C] to copy the last serial number enrolled (used when programming a transmitter with several input loops). Press [✱] to accept.
10 INPUT S/N: L A022-4064 1	The cursor will then move to the Loop column (L) with the previously entered/transmitted serial number displayed. Enter the loop number (refer to 5800 Series Transmitters Loop Designations below). **To Delete an Existing Serial Number,** enter "**0**" in the loop number field. The serial number will change to "0"s. If "0" was entered in error, simply re-enter the loop number or press [#], and the serial number will return to the display. Press [✱] to accept.
10 INPUT S/N: L A022-4064 1	The system will then check for a duplicate serial/loop number combination. If a duplicate serial/loop number combination is found, the keypad will emit a single long beep, and display the serial number along with a "?" for the loop number, allowing you to re-enter the correct loop number. If the serial/loop number combination is not a duplicate in the system, a display appears showing the serial number and loop number entry. Press [✱] to continue.

5800 Series Transmitters Loop Designations



Note: For information on any transmitter not shown above, refer to the instructions accompanying that transmitter for details regarding loop numbers, etc.

UL The 5802MN, 5802MN2, 5804, 5804BD, 5814, 5816TEMP, 5819, 5819WHS & BRS, 5827BD, and 5850 transmitters are not intended for use in UL installations.

PROMPT	EXPLANATION
XMIT TO CONFIRM PRESS ✱TO SKIP	**Confirmation Option:** This prompt only appears if you answered "Yes" at the first prompt. The system enters a confirmation mode so that the operation of the actual programmed input can be confirmed. Activate the loop input or button that corresponds to this zone. At any time during this step, you may press the [✱] key on the keypad to save the serial and loop number combination without confirming.
Entd A022-4063 1 Rcvd A022-4064	**If the serial number transmitted <u>does not</u> match the serial number entered**, a display similar to the one at the left appears. If the loop number does not match, it is also displayed. If so, activate the loop input or button on the transmitter once again. If a match is not obtained (i.e., summary display does not appear), press the [#] key twice and then enter or transmit the correct serial number.
10 ZT P RC In L 03 1 3C RF 1s	If the serial number transmitted <u>does</u> match the serial number entered, the system beeps 3 times and a summary display appears, showing that zone's programming. Note that an "s" indicates that a transmitter's serial number has been enrolled. Press [✱] to accept the zone information.

PROMPT	EXPLANATION
ENTER ZONE NO. 00 = QUIT 11	The system now returns to the “ENTER ZONE NO.” prompt for the next zone. When all zones have been programmed, enter “00” to quit**.**

After you have enrolled each wireless device, remove ONE of the serial number labels from that device and affix it in the appropriate column on the worksheets provided later in this *Programming Guide*; then enter the other information (zone number, zone type, etc.) relevant to that device.

When you have finished programming all zones, test each using the system’s Test Mode. Do not use the Transmitter ID Sniffer Mode. The system checks only for transmission of one zone on a particular transmitter, NOT the zones assigned to each additional loop, and also does not verify polling loop type zones.

Expert Mode Zone Programming

Expert mode allows you to program zones using the minimum number of screens and keystrokes.

Expert Mode Zone Programming does not provide the capability to program some of the zone’s attributes, such as Arm w/Fault, Vent Zone, STAY mode, Auto-STAY, Bypass Group, etc. If you want to program a zone for any of these attributes, you must use Zone Programming.

Enter the Programming mode with **[Installer Code] + 8 0 0**

Before programming your zones, do the following:

1. Program field **2✱00: Number of Partitions**.
2. Enable your RF Receiver in *Device Programming* menu mode.

To program your zones, press ✱93 to display the "ZONE PROG?" prompt. Enter “0” (NO) to each prompt until the “EXPERT MODE?” prompt appears.

PROMPT	EXPLANATION
EXPERT MODE? 1 = YES 0 = NO 0	Press **1** to enter Expert mode.
SET TO CONFIRM? 0 = NO 1 = YES 0	This prompt appears once upon entering Expert Mode. If you select “Yes,” Confirmation prompts will be displayed after the device’s Serial and Loop numbers have been entered later.
Zn ZT P RC In L 01 03 1 10 HW -	A summary display appears, showing zone 1’s current programming or default values.
Zn ZT P RC In L 10 03 1 10 RF 1s	Enter the desired 2-digit zone number and press [✱]. ***Note:*** If you want to exit the Expert mode, enter “00” + [✱]. If an “s” appears after the loop number, it indicates that the transmitter’s serial number has been enrolled. Use the [D] key to enter and duplicate wireless keys (see “Entering Wireless Keys” later)

PROMPT	EXPLANATION
Zn ZT P RC In L 10 03 1 10 RF -	Enter all zone information except for Loop number, or press "C" to copy the zone information on this screen from the last saved zone (including Loop). ZT = Zone Type P = Partition RC = Report Code In = Input Device Type L = Loop number to which the sensor is connected. **NOTE: Pressing the [C] copies the zone information from the last saved zone, which includes the input type. Verify this information is correct for this zone.** **On this screen:** • Use the [A] key to move to the right. • Use the [B] key to move to left and to back up to "ZT" field. Press [✱] to accept the existing or newly-entered zone information.
10 INPUT S/N: L A XXX-XXXX -	If you entered RF, BR, UR or SL for the Input Type, this screen displays. Otherwise the summary screen for the next zone displays. Enter the 7-digit serial number, using one of the following methods: a. Transmit two open and close (or close and open) sequences. For a button-type transmitter, press and release the button, wait approximately 4 seconds, then press and release the button a second time. OR b. Manually enter the 7-digit serial number printed on a label on the transmitter, using the alpha keypad. Then press the [✱] key, the cursor will move to the "L" position. You can edit the loop number, if necessary. When the loop number is acceptable, press [✱]. OR c. Press key [C] to copy the last serial number enrolled (used when programming a transmitter with several input loops). Remember, you can use the [A] key to move to the right or the [B] key to move to the left. You can also use the [#] key to back up without saving.
10 INPUT S/N: L A022-4064 1	Press [✱] to accept the serial number and advance to the "L" position (if method "a" or "c" was used), then enter the loop number. If necessary, press the [#] key to back up without saving, and re-enter or edit the serial number before pressing [✱] to save The system checks for a duplicate. If a duplicate serial/loop number combination is found, the keypad will emit a single long beep, and display the serial number along with a "?" for the loop number, allowing you to re-enter the correct loop number.
10 INPUT S/N: L A000-0000 1	**To Delete an Existing Serial Number**, enter "**0**" in the loop number field. The serial number will change to "0"s. If "0" was entered in error, simply re-enter the loop number or press [#], and the serial number will return to the display.
XMIT TO CONFIRM PRESS ✱TO SKIP	The prompt to confirm appears. This prompt only appears if you answered "Yes" at the "SET TO CONFIRM?" prompt. The system enters a confirmation mode so that the operation of the actual programmed input can be confirmed. Activate the loop input or button that corresponds to this zone. At any time during this step, you may press the [✱] key on the keypad to save the serial and loop number combination without confirming.
Entd A022-4063 1 Rcvd A022-4064	**If the serial number transmitted <u>does not</u> match the serial number entered**, a display similar to the one at the left appears. If the loop number does not match, it also is displayed. If so, activate the loop input or button on the transmitter once again. If a match is not obtained (i.e., summary display for the next zone does not appear), press the [#] key twice and then enter or transmit the correct serial number. Activate the button on the wireless key again after re-entering the serial number.
Zn ZT P RC In L 11 00 1 10 00 1	**If the serial number transmitted <u>matches</u> the serial number entered,** the system beeps 3 times and advances to the summary display for the next zone's programming. After all the zones have been programmed, enter **00** for the zone number to quit.

After you have enrolled each wireless device, remove ONE of the serial number labels from that device and affix it in the appropriate column on the worksheets provided later in this *Programming Guide*; then enter the other information (zone number, zone type, etc.) relevant to that device.

Entering Wireless Keys

If you pressed the D key previously to enter defaults for 5804 and/or 5804BD wireless keys, the following screens appear:

PROMPT	EXPLANATION
FROM TEMPLATE 1–6 1	Enter template number (1–6). 1–3 = 5804 templates; 4–6 = 5804BD templates. See the defaults provided for each template in the chart that follows these procedures. Select from templates. Press [✱] to display template (template 1 shown selected). **Note**: If necessary, press [#] to back up and re-enter template number. Press [#] if you want to return to zone attributes screen.
L 01 02 03 04 ZT 23 22 21 23 1	When you press [✱], the selected template is displayed. Top line of display represents loop numbers; bottom line represents zone type. Press [✱] to accept template.
PARTITION 1	Enter partition number for wireless key. Press [✱] to continue.
ENTER ZONE NO 00 = QUIT 24 ▲ Example of zone number suggested by the system. This indicates that zones 24, 25, 26, and 27 are available.	The system searches for the highest available, consecutive 4-zone group (the four zones required for the 5804 and 5804BD), and displays the lowest zone number of the group. If you want to start at a different zone number, enter the zone desired and press [✱]. If that zone number is displayed, the system has the required number of consecutive zones available, beginning with the zone you entered. If not, the system again displays a suggested zone that can be used. If the required number of consecutive zones is not available at all, the system will display "00." Press [✱] to accept.
24 INPUT S/N L AXXX-XXXX 1	**To enter the serial number:** Press and release a button on the wireless key. OR Manually enter the 7-digit serial number printed on the device's label. Press [✱] to accept serial number. The system checks for a duplicate. If a duplicate exists, a long error beep will sound and the serial number reverts back to all "X"s allowing you to re-enter the serial number. Use the [A] key to move forward within the screen, and the [B] key to back up.
XMIT TO CONFIRM PRESS ✱TO SKIP	If you entered YES previously at the SET TO CONFIRM prompt (see first prompt following entry into the **Expert Programming Mode**), the display on the left appears. To confirm, activate the button on the wireless key that corresponds to this zone.
Entd A022-4063 Rcvd A022-4064	**If the serial number transmitted <u>does not</u> match the serial number entered**, a display similar to the one at the left appears. If so, activate the loop input or button on the transmitter once again. If a match is not obtained (i.e., summary display does not appear), press the [#] key and then enter the correct serial number. Activate the button on the wireless key again after re-entering the serial number.
ENTER ZONE NO 00 = QUIT 28	**If the serial number transmitted <u>matches</u> the serial number entered,** the system will beep 3 times and revert to the "Start Zone No." prompt and will show the lowest numbered zone of the next available 4-zone group (4 consecutive zones) that is available for programming. After all the wireless keys have been entered, enter **000** for the zone number to quit.

After you have enrolled each wireless device, remove ONE of the serial number labels from that device and affix it in the appropriate column on the worksheets provided later in this *Programming Guide*; then enter the other information (zone number, zone type, etc.) relevant to that device.

Wireless Key Default Templates

5804				5804BD			
Template 1	**Loop**	**Function**	**Zone Type**	**Template 4**	**Loop**	**Function**	**Zone Type**
	1	No Response	23		1	No Response	23
	2	Disarming	22		2	No Response	23
	3	Arm AWAY	21		3	Arm AWAY	21
	4	No Response	23		4	Disarming	22
Template 2	**Loop**	**Function**	**Zone Type**	**Template 5**	**Loop**	**Function**	**Zone Type**
	1	No Response	23		1	No Response	23
	2	Disarming	22		2	Arm STAY	20
	3	Arm AWAY	21		3	Arm AWAY	21
	4	Arm STAY	20		4	Disarming	22
Template 3	**Loop**	**Function**	**Zone Type**	**Template 6**	**Loop**	**Function**	**Zone Type**
	1	24-Hour Panic	07		1	24-Hour Panic	07
	2	Disarming	22		2	Arm STAY	20
	3	Arm AWAY	21		3	Arm AWAY	21
	4	Arm STAY	20		4	Disarming	22

Alpha Descriptors Programming

You can program a user-friendly English language description/location for all protection zones, relays, keypad panics, polling loop short, and RF receiver supervision troubles.

Each description can be composed of a combination of words (up to 3) that are selected from a vocabulary of 244 words stored in memory, and any word can have an "s" or " 's " added to it.

NOTE: Due to the use of 2-digit zone numbers, the first word of the descriptor is limited to 7 characters if you want it to fit on the top line of the display.

In addition, up to 20 installer-defined words can be added to those already in memory. Thus, when an alarm or trouble occurs in a zone, an appropriate description for the location of that zone will be displayed at the keypad.

A custom installer's message can be programmed for each partition that is displayed when the system is "Ready" (e.g., THE PETERSONS').

1. To program alpha descriptors, enter Programming mode, then press **#93** to display "ZONE PROG?"
2. Press **[0]** (NO) twice to display "ALPHA PROG?".
3. Press **[1]** to enter *Alpha Programming*.

   There are 5 submenu selections that will be displayed one at a time.

   Press **[1]** to select the mode desired.

   Press **[0]** to display the next mode available. The alpha menu selections are:

ZONE DESCRIP?	For entering zone descriptors.
DEFAULT SCREEN?	For creating custom message; displayed when system is ready.
CUSTOM WORD?	For creating custom words for use in descriptors.
PART DESCRIP?	For creating 4-character partition names.
EXIT EDIT MODE?	Press **[1]** to exit back to #93 Menu Mode.

4. Refer to the sections that follow for procedures for adding alpha descriptors.

Zone Descriptors

1. **Select ZONE DESCRIPTOR mode.**

   The keypad keys perform the following functions:

   [3] Scrolls both alphabet and actual words in ascending alphabetical order.

   [1] Scrolls both alphabet and actual words in descending alphabetical order.

   [2] Adds or removes an "s" or " 's " to a vocabulary word.

   [6] Switches between alphabet and actual word list; used to accept entries.

   [8] Saves the zone description in the system's memory.

   [#] [#] plus zone number displays the description for that zone.

2. **Enter the zone number to which you want to assign a descriptor.**

   For example, key **[✱] 01** to begin entering the description for Zone 1, (key **[✱] 02** for Zone 2, **[✱] 03** for Zone 3, etc.). The following is displayed: ✱ ZN 01 A.

   Note that the first letter of the alphabet appears after the zone number, and that the zone number is automatically included with the description.

3. **Enter the descriptor for that zone**.

   Use one of two methods as follows:

   (Assume, for example, that the desired description for Zone 1 is BACK DOOR.)

   a) Press **[#]** followed by the 3-digit number of the first word from the fixed dictionary shown later in this section (e.g., [0][1][3] for BACK).

   Press **[6]** in order to accept the word and proceed, or press **[8]** to store the complete descriptor and exit;

   or

   b) Select the first letter of the desired description (note that "A" is already displayed). Use the **[3]** key to advance through the alphabet and the **[1]** key to go backward.

   Press **[3]** key repeatedly until "B" appears (press **[1]** to go backwards if you happen to pass it), then press **[6]** to display the first available word beginning with "B".

   Press **[3]** repeatedly to advance through the available words until the word "BACK" is displayed.

To add an "s" or " 's," if you need to, press **2**. The first depression adds an "s," the second depression adds an " 's, " the third depression displays no character (to erase the character), the fourth depression adds an "s," etc.

4. **Accept the word.**

   To accept the word, press **[6]**, which switches back to the alphabet list for the next word, or press **[8]** to store the complete descriptor and then exit.

5. **Select the next word.**

   For selection of the next word (DOOR), repeat step 3a (word #057) or 3b, but selecting the word "DOOR."

   To accept the word, press **[6]**, which again switches back to alphabet list.

6. **Store the descriptor.**

   When all desired words have been entered, press **[8]** to store the description in memory.

   To review the zone descriptors, key [#] plus zone number (e.g., #01).

   To edit zone descriptors, key [✱] plus zone number (e.g., ✱01)

7. **Exit Zone Description Mode: enter 00.**

Default Screen (Custom Message Display)

Normally, when the system is in the disarmed state, the following display is present on the keypad.

```
****DISARMED****
READY TO ARM
```

Part or all of the above message can be modified to create a custom installer message for each partition. For example, "****DISARMED****" on the first line or "READY TO ARM" on the second line could be replaced by the installation company name or phone number for service.

Note: There are only 16 character spaces on each of the two lines.

To create a custom display message, proceed as follows:

1. **Select Default Screen mode.**

   The keypad asks for the partition number for this message.

   Enter the partition number. Press [✱] to accept entry.

   The following display appears:

```
****DISARMED****
READY TO ARM
```

   A cursor is present at the extreme left of the first line (over the first "star"). Press **[6]** to move the cursor to the right and **[4]** to move the cursor to the left. Press **[7]** to insert spaces or erase existing characters.

2. **Create the message.**

   For example, to replace "READY TO ARM" with the message "SERVICE 424-0177," proceed as follows:

   Press **[6]** to move the cursor to the right, and continue until the cursor is positioned over the first location on the second line.

   Press **[3]** to advance through the alphabet to the first desired character (in this case, "S"). Press **[1]** to go backward, when necessary. When the desired character is reached, press **[6]**.

   The cursor then moves to the next position, ready for entry of the next character (in this example, "E"). When the cursor reaches a position over an existing character, press **[3]** or **[1]** to advance or back up from that character in the alphabet.

   Proceed in this manner until all characters in the message have been entered.

3. **Save the message.**

   Store the new display message in memory by pressing **[8]**.

4. **The system asks for a new partition number.**

   Enter **0** to quit or **1-8** for a new partition number.

Custom Words

Up to 20 installer-defined words can be added to the built-in vocabulary. Each of the 20 "words" can actually consist of several words, but bear in mind that a maximum of 10 characters can be used for each word string.

1. **Select CUSTOM WORD Mode.**

   The keys perform the following functions:

   [3] Advances through alphabet in ascending order.

   [1] Advances through alphabet in descending order.

   [6] Selects desired letter; moves the cursor 1 space to the right.

   [4] Moves the cursor one space to the left.

   [7] Inserts a space at the cursor location, erasing any character at that location.

   [8] Saves the new word in the system's memory.

   [✱] Returns to Description Entry Mode.

2. **Enter the custom word number (01-20) you want to create.**

   For example, if you are creating the first word (or word string), enter **01**; when creating the second word, enter **02**, and so on. A cursor now appears at the beginning of the second line.

3. **Type the word using one of two methods as follows:**

   a) Press [#], followed by the 2-digit entry for the first letter you would like to display (e.g., **65** for "A").

   When the desired character appears, press **[6]** to select it. The cursor will then move to the right, in position for the next character. Press [#] plus the 2-digit entry for the next letter of the word.

   or

   b) Press **3** to advance through the list of symbols, numbers, and letters.

   Press **1** to move back through the list.

   When you have reached the desired character, press **[6]** to select it. The cursor then moves to the right, in position for the next character.

4. **Repeat step 3 to create the desired custom word (or words).**

   Press **[4]** to move the cursor to the left if necessary.

   Press **[7]** to enter a blank (or to erase an existing character).

   Each word or word string cannot exceed 10 characters.

5. **Save the word by pressing [8].**

   This returns you to the “CUSTOM WORD?” display. The custom word (or string of words) is automatically added to the built-in vocabulary at the end of the group of words beginning with the same letter.

   Custom words are retrieved as word numbers 250 to 269 for words 1 to 20, respectively, when using method 3a to enter alpha descriptors.

   When using method 3b to enter alpha descriptors, each word appears at the end of the group of words that begin with the same letter as it does.

6. **Repeat steps 2 through 6 to create up to a maximum of 20 custom words (or word strings).**
7. **Exit Custom Word Mode by entering 00 at the “CUSTOM WORD” prompt.**

Partition Descriptors

1. **Select "Part DESCRIPT." Mode.**

   The system asks for the partition number desired. Enter the number as a single-key entry **1-8**.

2. **Follow the same procedure as for custom words.**

   Note: The partition descriptors are limited to 4 characters (e.g., WHSE for warehouse).

Alpha Descriptor Vocabulary

(For entering alpha descriptors. To select a word, press [#] followed by the word's 3-digit number.)

NOTE: This vocabulary is not to be used for relay voice descriptors. See the *Relay Voice Descriptors* section when programming relay voice descriptors.

000 *(Word Space)*
• **001 AIR**
• **002 ALARM**
003 ALCOVE
004 ALLEY
005 AMBUSH
• **006 AREA**
• **007 APARTMENT**
008 ART
• **009 ATTIC**
010 AUDIO
011 AUXILIARY
• **012 BABY**
• **013 BACK**
• **014 BAR**
015 BARN
• **016 BASEMENT**
• **017 BATHROOM**
• **018 BED**
• **019 BEDROOM**
020 BELL
• **021 BLOWER**
• **022 BOILER**
023 BOTTOM
024 BOX
025 BREAK
• **026 BUILDING**
027 BURNER
028 CABINET
• **029 CALL**
030 CAMERA
031 CAR
032 CASE
033 CASH
034 CCTV
035 CEILING
036 CELLAR
• **037 CENTRAL**
038 CIRCUIT
039 CLIP
• **040 CLOSED**
041 COIN
042 COLD
043 COATROOM
044 COLLECTION
045 COMBUSTION
• **046 COMPUTER**
047 CONTACT
• **048 DAUGHTERS**
049 DELAYED
• **050 DEN**
051 DESK
• **052 DETECTOR**
• **053 DINING**
054 DISCRIMINATOR
055 DISPLAY
056 DOCK
• **057 DOOR**
058 DORMER
• **059 DOWN**
• **060 DOWNSTAIRS**
061 DRAWER
• **062 DRIVEWAY**
063 DRUG
• **064 DUCT**
• **065 EAST**
066 ELECTRIC
067 EMERGENCY
068 ENTRY
• **069 EQUIPMENT**
070 EXECUTIVE
• **071 EXIT**
072 EXTERIOR
• **073 FACTORY**
074 FAILURE
075 FAMILY
• **076 FATHERS**
• **077 FENCE**
078 FILE
• **079 FIRE**
• **080 FLOOR**
081 FLOW
082 FOIL
• **083 FOYER**
084 FREEZER
• **085 FRONT**
086 FUR
087 FURNACE
088 GALLERY
• **089 GARAGE**
• **090 GAS**
091 GATE
• **092 GLASS**
093 GUEST
094 GUN
• **095 HALL**
• **096 HEAT**
097 HIGH
098 HOLDUP
099 HOUSE
100 INFRARED
• **101 INSIDE**
102 INTERIOR
103 INTRUSION
104 JEWELRY
• **105 KITCHEN**
• **106 LAUNDRY**
• **107 LEFT**
108 LEVEL
• **109 LIBRARY**
• **110 LIGHT**
111 LINE
112 LIQUOR
• **113 LIVING**
• **114 LOADING**
115 LOCK
116 LOOP
117 LOW
• **118 LOWER**
• **119 MACHINE**
120 MAGNETIC
121 MAIDS
122 MAIN
• **123 MASTER**
124 MAT
• **125 MEDICAL**
126 MEDICINE
127 MICROWAVE
128 MONEY
129 MONITOR
• **130 MOTHERS**
• **131 MOTION**
132 MOTOR
133 MUD
• **134 NORTH**
135 NURSERY
• **136 OFFICE**
137 OIL
• **138 OPEN**
139 OPENING
• **140 OUTSIDE**
141 OVERFLOW
142 OVERHEAD
143 PAINTING
• **144 PANIC**
145 PASSIVE
• **146 PATIO**
147 PERIMETER
• **148 PHONE**
149 PHOTO
150 POINT
151 POLICE
152 POOL
• **153 POWER**
154 QUAD
155 RADIO
• **156 REAR**
157 RECREATION
158 REFRIG
159 REFRIGERATION
160 RF
• **161 RIGHT**
• **162 ROOM**
163 ROOF
164 SAFE
165 SCREEN
166 SENSOR
• **167 SERVICE**
• **168 SHED**
169 SHOCK
• **170 SHOP**
171 SHORT
172 SHOW
• **173 SIDE**
174 SKYLIGHT
175 SLIDING
• **176 SMOKE**
177 SONIC
• **178 SONS**
• **179 SOUTH**
180 SPRINKLER
181 STAMP
• **182 STATION**
183 STEREO
184 STORE
• **185 STORAGE**
186 STORY
187 STRESS
188 STRIKE
189 SUMP
190 SUPERVISED
191 SUPERVISION
192 SWIMMING
193 SWITCH
194 TAMPER
195 TAPE
196 TELCO
197 TELEPHONE
198 TELLER
• **199 TEMPERATURE**
200 THERMOSTAT
• **201 TOOL**
202 TRANSMITTER
203 TRAP
204 ULTRA
• **205 UP**
• **206 UPPER**
• **207 UPSTAIRS**
• **208 UTILITY**
209 VALVE
210 VAULT
211 VIBRATION
212 VOLTAGE
213 WALL
214 WAREHOUSE
215 WASH
• **216 WEST**
• **217 WINDOW**
218 WINE
• **219 WING**
220 WIRELESS
221 WORK
222 XMITTER
223 YARD
224 ZONE (No.)
• **225 ZONE**
226 0
227 1
228 1ST
229 2
230 2ND
231 3
232 3RD
233 4
234 4TH
235 5
236 5TH
237 6
238 6TH
239 7
240 7TH
241 8
242 8TH
243 9
244 9TH
250 Custom Word 1
to
269 Custom Word 20

CHARACTER (ASCII) CHART

(For Adding Custom Words)

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

Notes: This factory-provided vocabulary of words is subject to change.

Bulleted words in **bold face type** are those that are also available for use by the 4285/4286 VIP Module. If you are using a VIP Module, and words other than these are selected for alpha descriptors, the Voice Module will not provide annunciation of those words.

Device Programming

This menu is used to program keypads, receivers, and relay modules, etc.

Device Address **00** is always set as an alpha keypad assigned to Partition 1 with no sounder suppression options, and these settings cannot be changed.

From Data Field Programming mode, press **#93** to display "ZONE PROG?" Press **[0]** repeatedly to display "DEVICE PROG?"

PROMPT	EXPLANATION
DEVICE PROG? 1=YES 0=NO 0	Press **[1]** to enter *Device Programming*.
DEVICE ADDRESS 01-30, 00=QUIT 01	The device address identifies the device to the control. Enter the 2-digit device address number to match the device's physical address setting **(01-30).** Press [✱] to accept entry.
DEVICE TYPE 00	Select the type of addressable device as follows: **00** = device not used **01** = alpha keypad (6139/6160) **02** = fixed-word keypad (6137/6150) **03** = RF receiver (5881) **04** = output relay module (4204) **05** = voice (VIP) Module (4285/4286) Press [✱] to accept entry.

Alpha or Fixed-Word Keypad

PROMPT	EXPLANATION
01 CONSOLE PART. 1	If you selected device type 01 (alpha keypad), or 02 (fixed-word keypad), this prompt appears. Enter the addressable device's default partition number (01 to maximum number of partitions programmed for system in field 2*00). This is the primary partition for the device. Enter 9 to make this keypad a "Master" keypad for the system. Press [✱] to accept entry.
01 SOUND OPTION 00	Keypads can be individually programmed to suppress arm/disarm beeps, entry/exit beeps and chime mode beeps. This helps prevent unwanted sounds from disturbing users in other areas of the premises. Enter a number **00-03** for the keypad sounding suppression options desired for the keypad as follows: **00** = no suppression **01** = suppress arm/disarm & entry/exit beeps **02** = suppress chime mode beeps only **03** = suppress arm/disarm, entry/exit **and** chime mode beeps Press [✱] to accept entry.

RF Expander

PROMPT	EXPLANATION
01 RF EXPANDER HOUSE I 00	If you selected device type 03 (RF receiver), this prompt appears. Enter the 2-digit House ID (**00-31**). This is required if you are using a wireless keypad (5827/5827BD). Press [✱] to accept entry.

VIP Module

PROMPT	EXPLANATION
01 MODULE PART. 1	If you selected device type 05 (VIP Module) this prompt appears. Enter the partition number **1-8** in which the module is located. Press [✱] to accept entry. Press **00** + [✱] to exit Menu mode. Press **✱99** to exit Program mode.

Relay Programming

The system supports up to 16 relays. Relays can be used to perform many different functions and actions. Each output must be programmed to begin one of three types of ACTIONS at a designated START event, and end that ACTION at a designated STOP event. The options used to start and stop these devices are described below, followed by the actual screen prompts and available entries.

The letter(s) in parentheses after each function described below, such as (A) after ACTION, are those that appear in the various summary displays of programmed data during programming.

ACTION (A) The "ACTION" of the device is how the device will respond when it is activated by the "START" programming. You may want the device to activate momentarily, to pulse on and off continuously, or to remain activated until some other event occurs to stop it. There are five different action choices:

- ACTIVATE for 2 SECONDS and then reset.
- ACTIVATE and REMAIN ACTIVATED until stopped by some other event.
- PULSE ON and OFF until stopped by some other event (do not use with an FSA device).
- NO RESPONSE when the device is not used.

START (STT) The "START" programming determines when and under what conditions the device is activated. The following START options are available:

1) **EVENT (EV)** is the condition (alarm, fault, trouble) that must occur to a zone or group of zones (zone list) in order to activate the device. These conditions apply ***only*** when a zone list is used. The different choices for "EVENT" are listed below and in "Programming Relays" later in this section.
   - ALARM Action begins upon any alarm in an assigned zone in the zone list.
   - FAULT Action begins upon any opening of an assigned zone in the zone list.
   - TROUBLE Action begins upon any trouble condition in an assigned zone in the zone list.
   - NOT USED Action is not dependent upon one of the above events.

   ZONE LIST (ZL) is a group of zones to which the "EVENT" applies in order to activate a particular device. Note that there are a total of 8 zone lists that can be programmed; when the selected EVENT (alarm, fault or trouble) occurs in **any** zone in the selected "Start" ZONE LIST (1-8), activation of the selected device will START.
2) **ZONE TYPE/SYSTEM OPERATION (ZT).** If all zones to be used to start the device have the same response type, and there are no other zones of this type that are **not** to activate this device, then "ZONE TYPE" may be used instead of a "ZONE LIST" and "EVENT" to activate the device.

   If a system operation, such as "DISARMING" or "ANY FIRE ALARM," is to activate the device, enter the appropriate choice under the "ZONE TYPE" option.

   The "ZONE TYPE/SYSTEM OPERATION" option functions independently of the "EVENT/ZONE LIST" combination.

   If a specific "ZONE TYPE" is chosen, any zone of that response type going into alarm, trouble, or fault will cause the device to activate as selected in "ACTION." If the same "ZONE TYPE" is also chosen for the STOP programming, any zone of that type that *restores* will de-activate the device.

   If a "SYSTEM OPERATION" is chosen, that operation will cause the device to activate as selected in "ACTION." The different choices for "ZONE TYPE" and "SYSTEM OPERATION" are listed in "Programming Relays" later in this section, and on the Programming Form.
3) **PARTITION NO. (P).** The device's "Start" ZONE TYPE/SYSTEM OPERATION may be limited to an occurrence on one partition (1-8), or any partition (0).

STOP (STP): The "STOP" programming determines when and under what conditions the device is de-activated. The following options are available:

1). **RESTORE ZONE LIST (ZL)**. If a "ZONE LIST" is used as the "Stop" event, the device de-activates when **all** the zones in that list restore from a previous fault, trouble, or alarm condition. This occurs regardless of what is programmed to "START" the device; therefore, a "RESTORE ZONE LIST" is normally only used when a "ZONE LIST" is used to start the device.

2). **ZONE TYPE/SYSTEM OPERATION (ZT).** Instead of using a "RESTORE ZONE LIST," you can select a specific zone (response) type or system operation action to de-activate the device.

   If you choose a specific "ZONE TYPE," any zone of that response type that restores from a previous alarm, trouble, or fault condition will cause the device to de-activate.

   If you choose a "SYSTEM OPERATION," that operation causes the device to de-activate. The different choices for "ZONE TYPE" and "SYSTEM OPERATION" are listed in "Programming Relays" later in this section, and in the Programming Form.

3) **PARTITION NO. (P).** The device's "Stop" Zone Type/System Operation may be limited to an occurrence on one partition (1-8), or on any partition (0).

   The "ZONE TYPE/SYSTEM OPERATION" option functions independently of the "RESTORE/ZONE LIST" combination.

Relay Devices Programming

From Data Field Programming Mode, press **#93** to display the "ZONE PROG?" prompt. Press **[0]** (NO) to each menu option until the "RELAY PGM?" prompt appears. Press **[1]** (YES).

While in this mode, press [✱] to advance to next screen. Press **[#]** to back up to the previous screen.

PROMPT	EXPLANATION
ENTER RELAY # (00=QUIT) 01	Enter the relay (output device) identification number **01-16**. This is a reference number only, used for identification purposes. The actual module address and relay number on the module are programmed in the last two prompts. Press [✱] to continue.
02 A EV ZL ZT P STT 0 0 00 00 0	Press [✱] to continue.
02 A ZL ZT P STOP 0 00 00 0	The keypad displays a summary STOP screen. Press [✱] to continue.
02 RELAY ACTION NO RESPONSE 0	The Relay Action is the way in which the relay will respond when activated by the "start" event. Enter the desired action for this relay as follows: **0**=not used; **1**=close for 2 secs.; **2**=stay closed; **3**=pulse on/off
02 START EVENT NOT USED 0	An output may be activated by an Event/Zone List combination, **and/or** by a Zone Type/System Operation. For an Event/Zone List combination, enter the event code as follows: **0**=not used; **1**=alarm; **2**=fault; **3**=trouble If you are not using a Zone List to activate the relay, enter **0.** Press [✱] to continue.
02 START: ZN LIST 0	A zone list is a set of zones that can be used to initiate the start or stop relay action. If a zone list is being used to start this relay action, enter the zone list number, **1-8**. If a zone list is not being used, enter **0**. Press [✱] to continue.
02 START: ZN TYPE NO RESPONSE 00	A Zone Type/System Operation can be used **instead** of or **in addition** to an Event/Zone List combination or a specific zone to start the relay action. If a Zone Type/System Operation is being used, enter the 2-digit code as listed in the table that follows. Press [✱] to continue.

Choices for Start/Stop Zone Types and System Operations:

00 = No Response (Not Used)	23 = No Alarm Response	43 = Communication failure
01 = Entry/Exit #1	31 = End of Exit Time	44 = RF Low Battery
02 = Entry/exit #2	32 = Start of Entry Time	45 = Polling Loop Failure
03 = Perimeter	33 = Any Burglary Alarm	51 = RF Receiver Failure
04 = Interior Follower	34 = Code + [#] + 71 Key Entry	52 = Kissoff
05 = Trouble Day/Alarm Night	35 = Code + [#] + 72 Key Entry	54 = Fire Zone Reset
06 = 24-Hr. Silent	36 = At Bell Timeout **	55 = Disarm + 1 Minute
07 = 24-Hr. Audible	37 = 2 Times Bell Timeout **	56 = XX Minutes (enter XX in field 1*74) *
08 = 24-Hr. Auxiliary	38 = Chime	57 = YY Seconds (enter YY in field 1*75) *
09 = Fire Alarm or Trouble	39 = Fire Alarm	58 = Duress
10 = Interior W/Delay	40 = Bypassing	60 = Audio Alarm Verification (must be selected for both START and STOP operation)
20 = Arming-STAY***	41 = AC Power Fail	
21 = Arming-AWAY****	42 = System Battery Low	
22 = Disarming (Code + Off)		

* Stop condition only
** Or at disarming, whichever occurs earlier
*** The output also activates when the partition is armed in the INSTANT mode
**** The output also activates when the partition is armed in the MAXIMUM mode

If you are using options 56 and/or 57 (usually as the STOP Zone Type), you must program data fields 1*74 and 1*75 for the respective relay timeouts for minutes and seconds.

PROMPT	EXPLANATION
02 START: PARTN ANY PARTITION 0	If the starting event will be limited to occurring on a specific partition, enter the partition number (**1-8**) in which the start event will occur. Enter **0** for any partition. Press [✱] to continue.

Do not use a zone programmed with an RF Button (Input Type BR) to STOP a relay. The system will not de-activate the relay.

PROMPT	EXPLANATION
02 STOP: ZN LIST 0	If a zone list is being used to stop this relay action, enter the zone list number, **1-8**. The **restore** of a zone on the zone list stops the relay. If a zone list is not being used, enter **0**. Press [✱] to continue.
02 STOP: ZN TYPE NO RESPONSE 00	If a Zone Type/System Operation is being used to stop the relay action, enter the 2-digit code listed in the Choices for Start/Stop System Operation chart. Press [✱] to continue.
02 STOP: PARTN ANY PARTITION 0	This is the partition to which the stop condition will be limited. Enter **0** for any partition. Enter **1-8** for specific partition number. Press [✱] to continue.
02 RELAY GROUP 0	Relays may be grouped for common activation by time-driven events (commands **06-10**). Enter **0** (no group) or **1-8** for a specific group number. Press [✱] to continue.
02 RESTRICTION 1=YES 0=NO 0	The system may have some devices that are not intended to be under end user control, such as relays activating fire doors or machinery. Enter **1** if the end user will be restricted from accessing this relay group. Press [✱] to continue.
02 RELAY TYPE ECP 1	Enter **1** for (ECP) relay modules (4204). Enter **2** for X-10 devices. Press [✱] to continue.
02 ECP ADDRESS 00	If you selected **1** (4204), enter the actual module's address **(01-15)** as set by its DIP switches. Press [✱] to continue.
02 MODULE RELAY# 0	Enter the specific relay number on that module (**1-4**). Press [✱] to continue. The keypad will display the Start and Stop summary screens again. Press [✱] to continue.
02 HOUSE CODE A 00	If you selected **2** for X-10 devices, enter the numerical equivalent of the House Code of the device, as follows: A=00 D=03 G=06 J=09 M=12 P=15 B=01 E=04 H=07 K=10 N=13 C=02 F=05 I=08 L=11 O=14
02 UNIT CODE 00	Enter the numerical unit code of the X-10 device (00-15). Press [✱] to continue. The keypad displays the Start and Stop summary screens again. Press [✱] to continue.

When all relays have been programmed, enter **00** at the "ENTER RELAY NO." prompt.

If you are defining a zone list, continue to the next section. If not, enter **00** + [✱] at the next two prompts. You will then be asked "Quit Menu Mode?" Enter **1** for "Yes," **0** for "No." Then enter **✱99** to exit programming completely.

Zone List Programming

After all relays have been programmed, upon entering **00** at the "ENTER RELAY NO." prompt, you are asked to enter a zone list. If a zone list number was used to start or stop a relay, you must define the zones belonging to that list as follows:

PROMPT	EXPLANATION
ENTER Zn LIST ? 0=QUIT 0	Enter the zone list number **1-8**. Enter **0** to quit.
01 ADD ZONE # 00=QUIT 00	Using 2-digit entries, enter each zone to be included in this zone list. Press [✱] after you enter each zone number. When you have entered all zones, enter **00**. Press [✱] to continue.
01 Del Zn LIST ? 1=YES 0=NO 0	Enter **0** to save this zone list. Enter **1** to delete it.
01 DEL ZONES ? 1=YES 0=NO 0	Enter **1** to delete one or more zones in that zone list. Enter **0** if no changes are necessary. If you enter 1, the following screen appears; otherwise, the "Enter Zone LIST" prompt reappears.
01 Zn to DELETE ? 00=QUIT 00	Enter each zone number to be deleted from the zone list, pressing [✱] after each number.
VIEW Zn LIST ? 0=QUIT 0	This display appears if you pressed **0** at the "Enter Zone LIST" prompt. Enter the zone list number that you wish to view. Press [✱] to continue.
01 ASSIGNED ZONE 00=QUIT 00	Press [✱] to scroll through all zones in that list. Enter **00** +[✱] to quit. Press **[1]** to exit Menu Mode. Press **✱99** to exit Program Mode.

Relay Voice Descriptors

If you are using the 4285/4286 VIP Module, voice descriptors can be programmed for the 16 outputs. These descriptors are announced by the voice module when you access the relays via the # 70 Relay Access Mode over the telephone.

Each voice descriptor can consist of up to 3 words selected from the Relay Voice Descriptors and Custom Word Substitutes Vocabulary list (later in this section).

The index numbers from this vocabulary list are to be used for relay voice descriptors only. For normal system voice annunciation (e.g., alarms, troubles, status), use the highlighted words in the alpha vocabulary list in the *Alpha Programming* part of this guide.

To enter relay voice descriptors, do the following:

1. From Data Field Programming mode, press **#93** to display the "ZONE PROG?" prompt.
2. Press **[0]** (NO) to each menu option until the "RLY VOICE DESCR?" prompt is displayed. Follow the instructions below. While in this mode, press [✱] to advance to next screen. Press [#] to back up to previous screen.

PROMPT	EXPLANATION
RLY VOICE DESCR? 1=YES 0=NO 0	Press **[1]** to program voice descriptors for relays.
ENTER RELAY NO. 00=QUIT 01	Enter the 2-digit relay number (**01-32**) for the relay desired, or enter **00** to quit Relay Voice Descriptor Programming Mode. Press [✱]

PROMPT	EXPLANATION
01 ENTER DESC d1	From the Relay Voice Descriptors and Custom Word Substitutes Vocabulary list, enter the 3-digit index number for the first word of the relay descriptor phrase. Press [✱] to accept entry.
01 ENTER DESC d2	From the Relay Voice Descriptors and Custom Word Substitutes Vocabulary list, enter the 3-digit index number for the second word of the relay descriptor phrase. If second word is not desired, press **[000]**. Press [✱] to accept entry.
01 ENTER DESC d3	From the Relay Voice Descriptors and Custom Word Substitutes Vocabulary list, enter the 3-digit index number for the third word of the relay descriptor phrase. If third word is not desired, press **[000]**. Press [✱] to accept entry. The "ENTER RELAY NO." prompt appears. Enter the next relay number to be programmed. When you have programmed all output devices, enter **00** to quit. Enter ✱99 to exit Program Mode.

Relay Voice Descriptors and Custom Word Substitutes Vocabulary

Word	Index
Air	116
Alarm	255
And	067
Apartment	117
Appliances	161
Area	118
Attic	119
Baby	120
Back	121
Bar	122
Basement	021
Bathroom	051
Battery	053
Bed	092
Bedroom	015
Blower	123
Boiler	124
Bright	162
Building	125
Burglary	039
Call	009
Central	089
Chime	054
Closed	126
Computer	127
Console	066

Word	Index
Daughter's	208
Den	052
Detector	128
Device	060
Dim	163
Dining	031
Door	016
Down	008
Downstairs	184
Driveway	130
Duct	131
East	132
Eight	077
Eighth	221
Equipment	133
Exit	004
Factory	134
Father's	211
Fence	135
Fifth	218
Fire	040
First	136
Five	074
Floor	029
Four	073
Fourth	217
Foyer	137

Word	Index
Front	087
Garage	023
Gas	138
Glass	139
Hall	050
Heat	010
Inside	209
Kitchen	022
Laundry	140
Left	027
Library	141
Light	019
Living	030
Loading	142
Lower	094
Machine	143
Master	144
Medical	014
Mother's	212
Motion	145
Nine	078
Ninth	222

Word	Index
No	165
North	146
Not	012
Off	011
Office	147
On	058
One	070
Open	148
Outside	210
Panic	013
Partition	090
Patio	149
Phone	061
Power	063
Pump	166
Rear	088
Right	028
Room	018
's	007
Second	056
Service	150
Seven	076
Seventh	220
Shed	151
Shop	152

Word	Index
Side	153
Six	075
Sixth	219
Smoke	024
Son's	223
South	155
Stairs	006
Station	156
Storage	157
Sun	154
System	062
Temperature	158
Third	159
Three	072
Tool	213
Two	071
Up	025
Upper	187
Upstairs	183
Utility	185
West	215
Window	017
Wing	216
Zero	069
Zone	002

Custom Word Substitutes for VIP Module Annunciation

A substitute word can be programmed for each of the 20 custom words used in your alpha zone descriptions. The VIP Module announces this substitute word in place of the custom word that is displayed on the alpha keypad. For example, an alarm display of "John's Bedroom" could be announced as "Son's Bedroom," as there is no annunciation for the custom word "John." Note that if a substitute word is not assigned, the VIP Module will not annunciate the zone descriptor at all, but will only annunciate the zone number.

To enter custom word substitutes, do the following:

1. From Data Field Programming Mode, press **#93** to display the "ZONE PROG?" prompt.
2. Press **[0]** (NO) to each menu option until the "CUSTOM INDEX ?" prompt is displayed.

PROMPT	EXPLANATION
CUSTOM INDEX ? 1=YES 0=NO 0	Enter **[1]** at this prompt.
CUSTOM WORD NO. 00=QUIT	Enter the custom word number (**01-20**) for which a voice substitute is desired. Enter **00** to quit this Programming Mode. Press [✱] to accept entry.
01 ENTER INDEX #	Enter the 3-digit substitute word index number from the Relay Voice Descriptors and Custom Word Substitutes Vocabulary list in the *Relay Voice Descriptors* part of this section. Press [✱] to accept entry. The "CUSTOM WORD NO." prompt is displayed. Enter the next custom word number to be substituted, or enter **00** to quit.

System Layout Worksheets

Before programming any security system, you should first define the installation. To help you lay out a partitioned system, use the following worksheets. This will further simplify the programming process.

PARTITIONS

Partition #	Descriptor (4-char max)	Prim. Sub. #	Sec. Sub. #	Alpha Default Message (32-character maximum)
Partition 1				
Partition 2				
Partition 3				
Partition 4				
Partition 5				
Partition 6				
Partition 7				
Partition 8				
Keyswitch Arming Partition Assignment (1-8):				
Wireless Keypad Partition Assignment (1-8):				
Voice Module Partition Assignment (1-8):				
Use Partition Descriptor (yes/no)?				
Common Lobby Partition Assignment (1-8):				

COMMUNICATION OPTIONS BY PARTITION

Option	Part. 1	Part. 2	Part. 3	Part. 4	Part. 5	Part. 6	Part. 7	Part. 8
Swinger Suppression Count 00-15; 00=no suppression								
Cancel Report After Disarm								
Dialer Reports for Panic (* + 1)								
Dialer Reports for Panic (# + 3)								
Dialer Reports for Panic (* + #)								
Dialer Reports for Duress								
Burglary Alarm Communications Delay (16 sec.)								

SYSTEM DEFINITIONS BY PARTITION (enter values or yes/no)

Option	Part. 1	Part. 2	Part. 3	Part. 4	Part. 5	Part. 6	Part. 7	Part. 8
Entry Delay #1 (00, 30-225 seconds):								
Exit Delay #1 (00, 45-225 seconds):								
Entry Delay #2 (00, 30-225 seconds):								
Exit Delay #2 (00, 45-225 seconds):								
Quick Arming								
Multiple Alarms per Arming								
Console Panic for Zone 95 (* + 1)								
Console Panic for Zone 96 (# + 3)								
Console Panic for Zone 99 (* + #)								
Allow Sign-on (GOTO function)								
Non-Bypassable Zone*								
Sounder Timeout Duration for Bell (2 min. increments)								
Console Annunciation During Entry**								
Console Annunciation During Exit								
Confirmation of Arming Ding for Bell								
Chime on Bell								
Access Control Relay (field 1*76)								
Affects Lobby (check partitions that apply)								
Arms Lobby (check partitions that apply)								

*Can be any zone 01-86. **no= 3 beeps yes=continuous

PRINTER OPTIONS

12- or 24-hour Time format	
Printer On-Line (yes/no)	
1200 or 300 baud Printer Baud Rate	

EVENT LOG TYPES

Option	No	Yes
Alarm		
Trouble		
Bypass		
Open/Close		
System		

DEVICES (keypads, 4204, rf receivers, vip module)

Addr	Type	Part	Sound Opt	House ID
00.				
01.				
02.				
03.				
04.				
05.				
06.				
07.				
08.				
09.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

Device Types:

00 = Device Not Used
01 = Alpha Keypad
02 = Fixed-Word Keypad
03 = RF Receiver
04 = Output Relay Module
05 = Voice Module

NOTE: Address 04 must be used for the Voice Module, if used.

Console Sounder Options:

0 = No Suppression
1 = Suppress Arm/Disarm and Entry/Exit Beeps
2 = Suppress Chime Mode Beeps Only
3 = Suppress Arm/Disarm, Entry/Exit and Chime Mode Beeps

ACCESS CODES & USER DEFINITIONS FOR PARTITIONS 1 & 2

4-digit Security Code	Access Group 0; 1-8	Partition 1					Partition 2				
		2-Digit User #	Auth. Level	Open/ Close	RF Key	Global Arm	2-Digit User #	Auth. Level	Open/ Close	RF Key	Global Arm

ACCESS CODES & USER DEFINITIONS FOR PARTITIONS 3 & 4

4-digit Security Code	Access Group 0; 1-8	Partition 3					Partition 4				
		2-Digit User #	Auth. Level	Open/ Close	RF Key	Global Arm	2-Digit User #	Auth. Level	Open/ Close	RF Key	Global Arm

ACCESS CODES & USER DEFINITIONS FOR PARTITIONS 5 & 6

4-digit Security Code	Access Group 0; 1-8	Partition 5					Partition 6				
		2-Digit User #	Auth. Level	Open/ Close	RF Key	Global Arm	2-Digit User #	Auth. Level	Open/ Close	RF Key	Global Arm

ACCESS CODES & USER DEFINITIONS FOR PARTITIONS 7 & 8

4-digit Security Code	Access Group 0; 1-8	Partition 7					Partition 8				
		2-Digit User #	Auth. Level	Open/ Close	RF Key	Global Arm	2-Digit User #	Auth. Level	Open/ Close	RF Key	Global Arm

Authority Levels: 1=Master (arm, disarm, bypass, and/or modify lower level users)
2=Manager (arm, disarm, bypass, and/or modify lower level users)
3=Operator A (arm, disarm, bypass)
4=Operator B (arm, disarm)
5=Operator C (arm, disarm only if system was armed with this code)
6=Duress code (arm, disarm, triggers silent panic alarm)

ZONE DEFINITION FOR ZONES 01-25						
Zone No.	Zone Type	Part 1-8	Input Type	Serial # / Loop	Rpt. Code	Zone Information (part numbers) & Alpha Descriptor (3 words max.)
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						

ZONE DEFINITION FOR ZONES 26-50						
Zone No.	Zone Type	Part 1-8	Input Type	Serial # / Loop	Rpt. Code	Zone Information (part numbers) & Alpha Descriptor (3 words max.)
26						
27						
28						
29						
30						
31						
32						
33						
34						
35						
36						
37						
38						
39						
40						
41						
42						
43						
44						
45						
46						
47						
48						
49						
50						

ZONE DEFINITION FOR ZONES 51-75						
Zone No.	Zone Type	Part 1-8	Input Type	Serial # / Loop	Rpt. Code	Zone Information (part numbers) & Alpha Descriptor (3 words max.)
51						
52						
53						
54						
55						
56						
57						
58						
59						
60						
61						
62						
63						
64						
65						
66						
67						
68						
69						
70						
71						
72						
73						
74						
75						

ZONE DEFINITION FOR ZONES 76-86						
Zone No.	**Zone Type**	**Part 1-8**	**Input Type**	**Serial # / Loop**	**Rpt. Code**	**Zone Information (part numbers) & Alpha Descriptor (3 words max.)**
76						
77						
78						
79						
80						
81						
82						
83						
84						
85						
86						

ZONE DEFINITIONS FOR KEYPAD PANIC ZONES 95, 96, & 99

Zone No.	Zone Type	Enter yes/no for each partition-field *22								Report Code	Zone Information (part numbers) & Alpha Descriptor (3 words max.)
		1	2	3	4	5	6	7	8		
95											
96											
99											

ZONE DEFINITIONS FOR SYSTEM ZONES; 88; 89, 90, 91, 97 & 98

Zone No.	Zone Type	Report Code	Zone Information (part numbers) & Alpha Descriptor (3 words max.)
88			
89			
90			
91			
97			
98			

Zone Types:

00=zone not used	05=day/night burglary	10=interior (delay)
01=entry/exit 1	06=24-hour silent	20=arm stay
02=entry/exit 2	07=24-hour audible	21=arm away
03=perimeter	08=24-hour auxiliary	22=disarm
04=interior (follower)	09=supervised fire	23=no alarm response

Input Types:

00=not used	05=RF button transmitter
01=hardwired	06=serial number polling loop
03=supervised RF transmitter	07=Dip switch-type polling loop
04=unsupervised RF transmitter	08=right loop dip switch polling loop

Relay Devices Worksheets

Applicable only if relays (4204), or X-10 devices are used.

Relays are programmed in the #93 Menu Mode in the Relay Programming Section. Fill in the required data on the worksheet below and follow the procedure in the Installation and Setup Guide as you enter the data during the displays and prompts that appear in sequence.

Notes: 1. For 4204 the Device Programming section must be programmed for the device address. Set the DIP switches on the device for that address.

2. For X-10 devices, use the 1361X10 transformer in place of the transformer that comes in the box with the control panel.

OUTPUT DEV #	A	START				STOP			Relay Group	Restrict	1=4204 2=X-10	Dev Add 4204 or House Code for X-10	Relay # for 4204 or Unit Code for X-10
		EV/ZL		ZT / P		ZL	ZT / P						
1.													
2.													
3.													
4.													
5.													
6.													
7.													
8.													
9.													
10.													
11.													
12.													
13.													
14.													
15.													
16.													

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; 4 = Restore

ZL = ZONE LIST 1-8, 0 = Not Used

"START" ZONE LIST: Upon alarm, fault, trouble or restore of ANY zone in this list, device action will START.

"STOP" ZONE LIST: Upon restore of ALL zones on this list, device action will STOP. It need not be same list as used for START.

ZT = ZONE TYPE/SYSTEM OPERATION

Choices for Start/Stop Zone Types and System Operations:

00 = No Response (Not Used)	23 = No Alarm Response	43 = Communication failure
01 = Entry/Exit #1	31 = End of Exit Time	44 = RF Low Battery
02 = Entry/exit #2	32 = Start of Entry Time	45 = Polling Loop Failure
03 = Perimeter	33 = Any Burglary Alarm	51 = RF Receiver Failure
04 = Interior Follower	34 = Code + [#] + 71 Key Entry	52 = Kissoff
05 = Trouble Day/Alarm Night	35 = Code + [#] + 72 Key Entry	54 = Fire Zone Reset
06 = 24-Hr. Silent	36 = At Bell Timeout **	55 = Disarm + 1 Minute
07 = 24-Hr. Audible	37 = 2 Times Bell Timeout **	56 = XX Minutes (enter XX in field 1*74) *
08 = 24-Hr. Auxiliary	38 = Chime	57 = YY Seconds (enter YY in field 1*75) *
09 = Fire Alarm or Trouble	39 = Fire Alarm	58 = Duress
10 = Interior W/Delay	40 = Bypassing	60 = Audio Alarm Verification (must be selected for both START and STOP operation)
20 = Arming-STAY***	41 = AC Power Fail	
21 = Arming-AWAY****	42 = System Battery Low	
22 = Disarming (Code + Off)		

NOTE: Any zone in "ZT" for Start, going into alarm, fault, or trouble will activate the relay.
Any zone in "ZT" for Stop, that restores will stop the relay action.

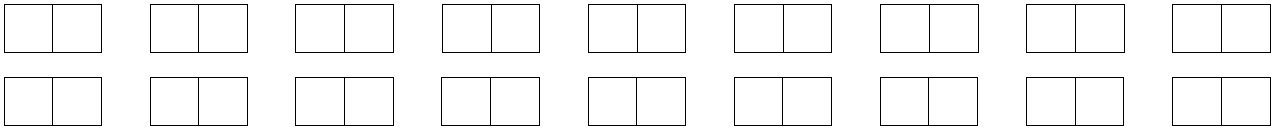
* Stop condition only
** Or at Disarming, whichever occurs earlier
*** The output also activates when the partition is armed in the INSTANT mode
**** The output also activates when the partition is armed in the MAXIMUM mode

P = PARTITION No. 1-8, 0 = Any

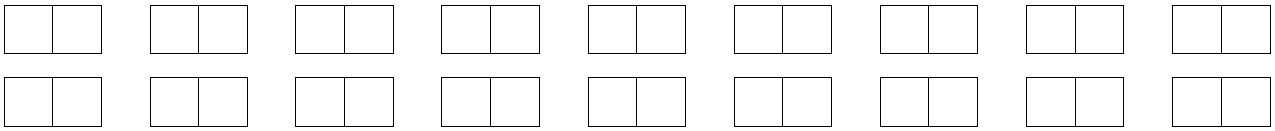
ZONE LISTS FOR OUTPUT DEVICES – Programmed in the #93 Menu Mode in the Output Programming Section. Fill in the required data on the worksheet below and follow the procedure shown earlier in this *Programming Guide* as you enter the data during the displays and prompts that appear in sequence. Up to 8 zone lists may be created

Note: Record desired zone numbers below. More or fewer boxes than shown may be needed, as any list may include *any* or *all* of system's zone numbers.

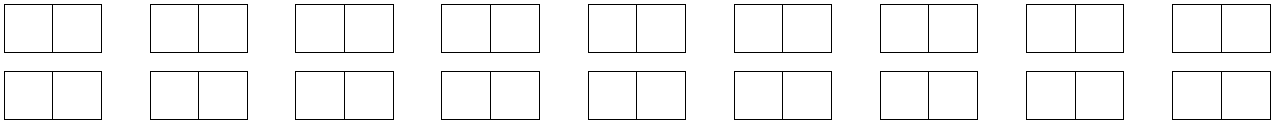
Zone List 1: Started or stopped by zone numbers (enter 00 to end entries).



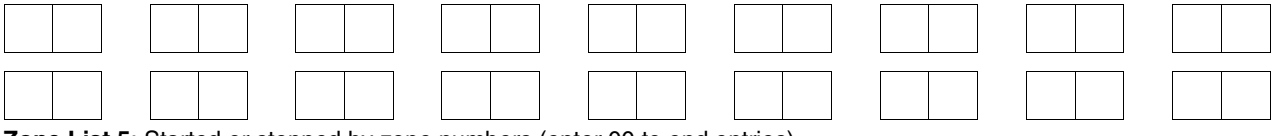
Zone List 2: Started or stopped by zone numbers (enter 000 to end entries).



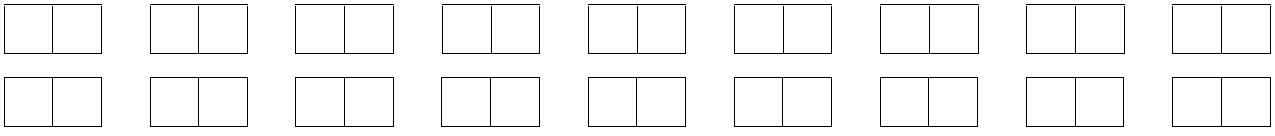
Zone List 3: Started or stopped by zone numbers (enter 000 to end entries).



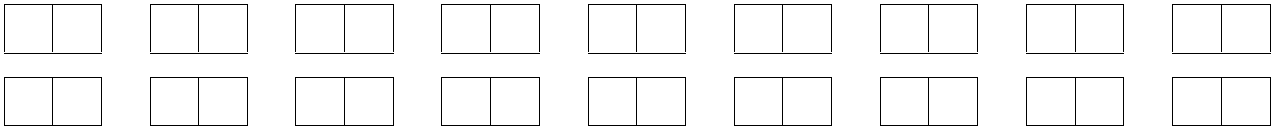
Zone List 4: Started or stopped by zone numbers (enter 000 to end entries).



Zone List 5: Started or stopped by zone numbers (enter 00 to end entries).



Zone List 6: Started or stopped by zone numbers (enter 000 to end entries).



Zone List 7: Started or stopped by zone numbers (enter 000 to end entries).

Zone List 8: Started or stopped by zone numbers (enter 000 to end entries).

Scheduling Menu Prompts

To program schedules, enter Scheduling program mode by pressing **[User Code] + # + 80** to display the first choice of the menu driven programming functions. **NOTE:** Only users with an Installer or Master level user code may enter the #80 mode.

Press **0** (NO) or **1** (YES) in response to the displayed menu selection. Pressing **0** will display the next choice in sequence. Menu selections are as follows:

PROMPT	EXPLANATION
Time Window ? 1 = YES 0 = NO 0	For defining up to 20 time windows each with a start and a stop time programmed by entering the hours and minutes.
O/C Schedules ? 1 = YES 0 = NO 0	For defining the daily open and close schedules for the 8 partitions. Each partition can be programmed with an opening and closing window for each day of the week and holidays.
Holidays ? 1 = YES 0 = NO 0	For defining up to 16 holidays for which partitions they apply.
Timed Events ? 1 = YES 0 = NO 0	For defining up to 20 time driven events with the following parameters: • Time window • Action desired • Action specifier • Activation time • Days of the week
Access Sched. ? 1 = YES 0 = NO 0	For defining the limitation of access schedules for the user codes. Each schedule can be programmed with two window for each day of the week and holidays

#80 & #81 MENU MODE KEY COMMANDS

The following is a list of commands used while in the Menu mode.

#80 or #81	Enters Menu mode
[*]	Serves as ENTER key. Press to have keypad accept entry.
[#]	Backs up to previous screen.
0	Press to answer NO.
1	Press to answer YES.
01-09	All data entries are either 2-digit entries.
00	Exits Menu mode, returns to normal operation mode when entered at the first question for each category.

Scheduling Worksheets

Time Windows Definitions Worksheet. The system provides 20 time windows that are defined with start and stop times. They are programmed in the #80 Menu Mode. Fill in the required data on the worksheet below and follow the procedure in the installation instructions as you enter the data during the displays and prompts that appear in sequence.

Time Window Number	Start Time (HH:MM)	Stop Time (HH:MM)
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		

(Keep this worksheet handy, as you will be asked for a given time window number later in this section).

Because the time windows are shared among all partitions, it is important to make sure that changing a time window does not adversely affect desired actions in other partitions.

Daily Open/Close Schedule Worksheet: Using the time windows previously defined, fill in the required data on the worksheet below and follow the procedure in the installation instructions as you enter the data during the displays and prompts that appear in sequence.

Part	Mon		Tues		Wed		Thur		Fri		Sat		Sun		Hol	
	Op	Cl	Op	Cl	Op	Cl	Op	Cl	Op	Cl	Op	Cl	Op	Cl	Op	Cl
1																
2																
3																
4																
5																
6																
7																
8																

Holiday Schedule Worksheet: The system provides up to 16 holidays that can be assigned for the system. Each holiday can be assigned to any combination of partitions. Fill in the required data on the worksheet below and follow the procedure in the installation instructions as you enter the data during the displays and prompts that appear in sequence.

HOL	Partition								
	Month/Day	1	2	3	4	5	6	7	8
1	/								
2	/								
3	/								
4	/								
5	/								
6	/								
7	/								
8	/								
9	/								
10	/								
11	/								
12	/								
13	/								
14	/								
15	/								
16	/								

Time-Driven Event Worksheet: The system provides up to 20 time-driven events that can be programmed for the system. Fill in the required data on the worksheet below and follow the procedure in the installation instructions as you enter the data during the displays and prompts that appear in sequence.

Sched Num.	Time Window	Day(s)								Action Desired	Action Specifier	Activation Time
		M	T	W	T	F	S	S	H			
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												

Below is a list of the "Action" codes (desired actions) used when programming time-driven events. Note that these codes are independent of the "relay codes" programmed during the #93 Menu Mode–Relay Programming mode. **If using Time Driven Events, the following menu items must first be programmed using #93 Menu Mode - Relay Programming:**

Enter Relay No.	(reference identification number)	ECP Address	(4204)
Relay Group	(if applicable)	Relay No.	(4204)
Restriction		House Code	(X-10)
Relay Type	(4204 or X-10)	Unit Code	(X-10)

Relay commands:

Action Specifier for commands 01-05 is Relay No.; Action Specifier for commands 06-10 is Relay Group No.

01 = Relay On
02 = Relay Off
03 = Relay Close for 2 seconds
04 = Relay Close XX minutes (field 1*74)
05 = Relay Close YY seconds (field 1*75)
06 = Relay Group On
07 = Relay Group Off
08 = Relay Group Close for 2 seconds
09 = Relay Group Close XX minutes (field 1*74)
10 = Relay Group Close YY seconds (field 1*75)

Arm/Disarm commands:

Action Specifier for commands 20-24 is Partition(s). Activation times 1 (Beginning), 2 (End), 3 (During) are the only valid choices for auto-arming and disarming functions.

20 = Arm-Stay
21 = Arm Away
22 = Disarm
23 = Force Arm Stay (Auto-bypass faulted zns)
24 = Force Arm Away (Auto-bypass faulted zns)

Bypass commands:

Action Specifier for commands 30-31 is Zone List #, Activation times 1 (Beginning), 2 (End), 3 (During) are the only valid choices for bypass commands.

30 = Auto bypass - Zone list
31 = Auto unbypass - Zone list

Open/Close Windows:

Action Specifier for commands 40-41 is Partition(s), and for 42 is Access Group. Activation time 3 (During) are the only valid choices for these commands.

40 = Enable Opening Window
41 = Enable Closing Window
42 = Enable Access Window

Activation time:

Refers to when the action is to take place relative to the time window.

1 = Beginning of time window
2 = End of time window
3 = During time window active period only (On at beginning of window, off at end).
4 = Beginning and end of time window

Limitation of Access Worksheet The system provides up to 8 Access Schedules that can be programmed for the system. Fill in the required data on the worksheet below and follow the procedure in the installation instructions as you enter the data during the displays and prompts that appear in sequence.

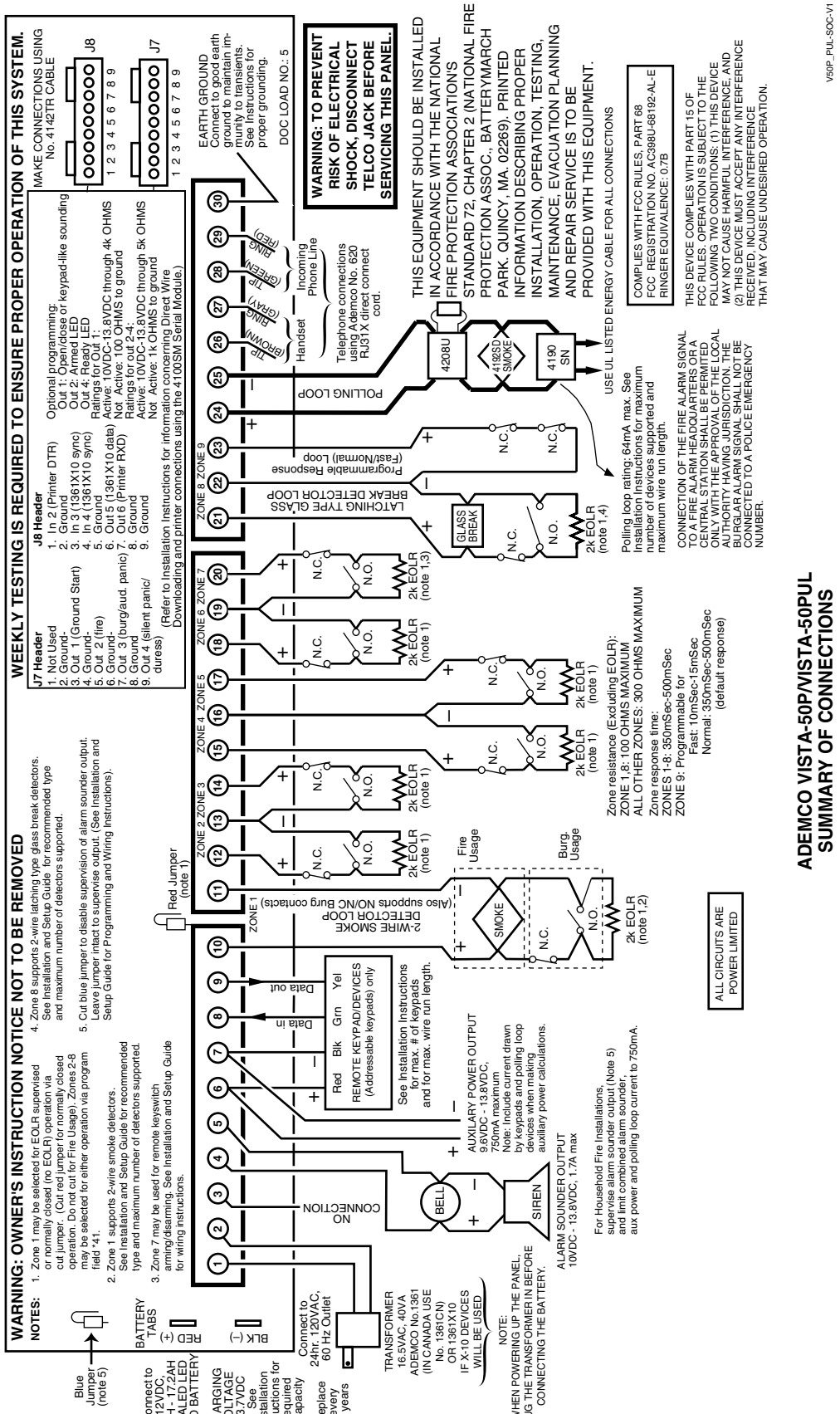
Acc	Mon		Tues		Wed		Thurs		Fri		Sat		Sun		Hol	
Sch	W1	W2	W1	W2	W1	W2	W1	W2	W1	W2	W1	W2	W1	W2	W1	W2
1																
2																
3																
4																
5																
6																
7																
8																

Temporary Schedule #81 Menu Mode. The system provides a Temporary Schedule for each partition. Enter the temporary scheduling mode by pressing **[Installer Code] + [#] + [81]**. Fill in the required data on the worksheet below and follow the procedure in the installation instructions as you enter the data during the displays and prompts that appear in sequence.

Partition/Windows		Mon	Tue	Wed	Thu	Fri	Sat	Sun
1	**Disarm Window**							
	Start Time HH:MM							
	Stop Time HH:MM							
	Arm Window							
	Start Time HH:MM							
	Stop Time HH:MM							
2	**Disarm Window**							
	Start Time HH:MM							
	Stop Time HH:MM							
	Arm Window							
	Start Time HH:MM							
	Stop Time HH:MM							
3	**Disarm Window**							
	Start Time HH:MM							
	Stop Time HH:MM							
	Arm Window							
	Start Time HH:MM							
	Stop Time HH:MM							
4	**Disarm Window**							
	Start Time HH:MM							
	Stop Time HH:MM							
	Arm Window							
	Start Time HH:MM							
	Stop Time HH:MM							
5	**Disarm Window**							
	Start Time HH:MM							
	Stop Time HH:MM							
	Arm Window							
	Start Time HH:MM							
	Stop Time HH:MM							
6	**Disarm Window**							
	Start Time HH:MM							
	Stop Time HH:MM							
	Arm Window							
	Start Time HH:MM							
	Stop Time HH:MM							

Partition/Windows		Mon	Tue	Wed	Thu	Fri	Sat	Sun
7	**Disarm Window**							
	Start Time HH:MM							
	Stop Time HH:MM							
	Arm Window							
	Start Time HH:MM							
	Stop Time HH:MM							
8	**Disarm Window**							
	Start Time HH:MM							
	Stop Time HH:MM							
	Arm Window							
	Start Time HH:MM							
	Stop Time HH:MM							

VISTA-50P/VISTA-50PUL Summary of Connections Diagram



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