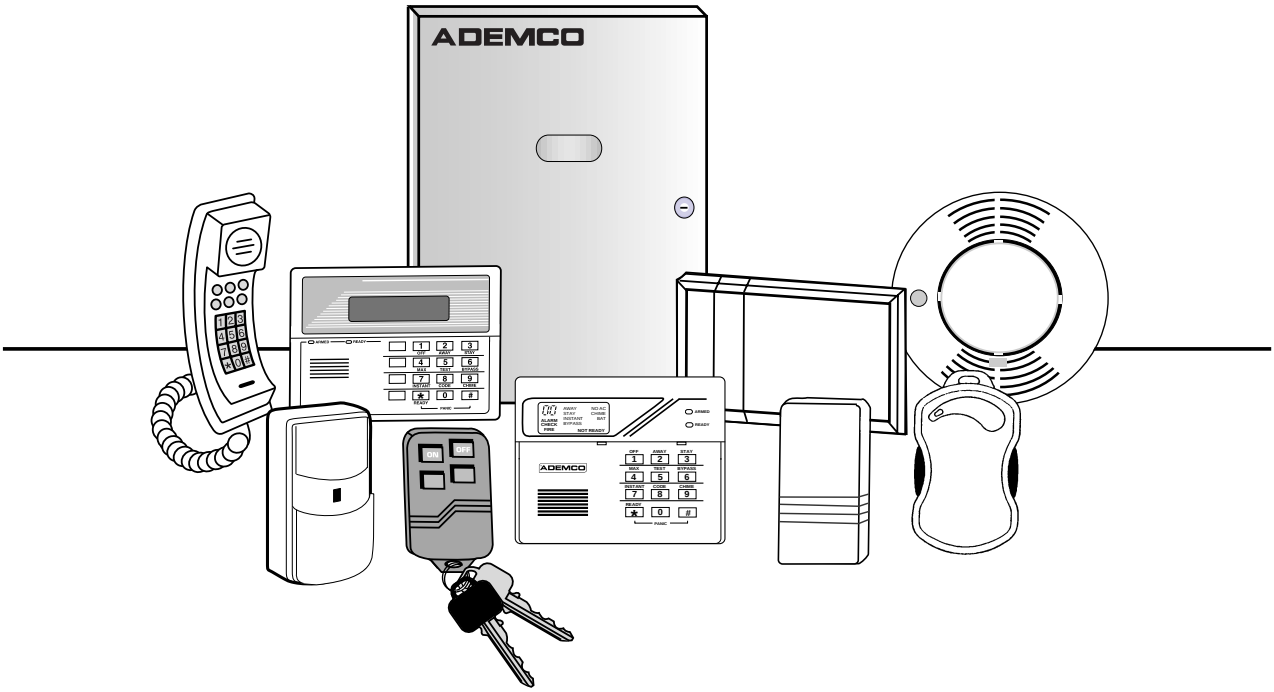
VISTA-50PEN

Commercial Burglary
Partitioned Security System
with Scheduling

Programming Guide



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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 *VISTA-50PEN 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-50PEN 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-50PEN 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] + [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 & 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,** press ✶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-50PEN 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 00-01, 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 COMPLETE LIST OF PROGRAMMING FIELDS for a listing of the program fields arranged by 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. The next partition-specific field will automatically be displayed when you are finished entering the value for field ✶09. 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 *MECHANICS OF PROGRAMMING* section in the *VISTA-50PEN Installation and Setup Guide* for detailed instructions.
5. **Use #93 Menu Mode for device programming.**
   Refer to the *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 the *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 the *Output Programming* in this guide to program desired output operation.
8. **Program Communication options.**
   Refer to *System Communication* section in the *VISTA-50PEN 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 the *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 the *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 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* section in the *VISTA-50PEN Installation and Setup Guide* to program authority level, O/C reporting option, partition assignments, and wireless key assignments for each user.
13. **Exit Programming Mode.**
    Exit programming mode by pressing either ✶98 or ✶99. Additional entries of ✶99 is 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's code. Either way of exiting will allow access via downloading. Note that if local programming lockout is set via downloading, programming mode cannot be entered at the keypad.

Program Field Categories

In the following pages, the programming fields have been arranged by category. Use this index to cross reference the numerical ordered fields on the programming form.

Field	Group
*00	System-Wide
*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

Field	Group
*52	Communications
*53	Communications
*56	Communications
*57	Communications
*58	Communications
*59	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
*79	Communications
*80	Communications
*83	Communications
*84	Partition-Specific
*85	Partition-Specific
*87	Partition-Specific
*88	Partition-Specific
*89	Communications
*90	Partition-Specific
1*07	System-Wide
1*10	System-Wide
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*26	System-Wide
1*28	System-Wide
1*29	System-Wide
1*30	System-Wide

Field	Group
1*31	System-Wide
1*33	Communications
1*34	Communications
1*35	Communications
1*42	Communications
1*43	Partition-Specific
1*44	System-Wide
1*45	Partition-Specific
1*47	Partition-Specific
1*48	System-Wide
1*49	System-Wide
1*52	Partition-Specific
1*53	System-Wide
1*56	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*18	Partition-Specific
2*19	Partitioning
2*20	Partition-Specific
2*21	System-Wide
2*22	Partition-Specific
2*23	Partition-Specific
2*24	Partition-Specific

VISTA-50PEN Programming Form

Some fields are programmed for each partition (shown as shaded fields). If Programming a Multiple Partition System, see the PARTITION-SPECIFIC section for programming these fields. Standard default (*97) values are shown in brackets [ ], otherwise default = 0.

***00** INSTALLER CODE ☐☐☐☐

Enter 4 digits, 0-9 [4140]

***09** ENTRY DELAY #1 [02] ☐☐

00-15 times 15 seconds
Maximum "03" for UL Commercial Burglary.

***10** EXIT DELAY #1 [03] ☐☐

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

***11** ENTRY DELAY #2 [06] ☐☐

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

***12** EXIT DELAY #2 [08] ☐☐

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

***13** BELL TIMEOUT [04] ☐☐

01-15 times 2 minutes. Minimum 16 min. for UL Commercial Burglary.

***14** ZONE 9 RESPONSE TIME [0] ☐

Enter 1 for fast response (10 msec)
Enter 0 for slow response (350 msec)

***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 Burglary Installations.

***17** AC LOSS KEYPAD SOUNDING [0] ☐

1=yes; 0=no

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

1=10-40 min; 2=6-12 hrs; 0=normal report (about 2 min. after AC loss). Must be "2" for Central and Remote Station alarm systems.

***20** VIP MODULE PHONE CODE ☐☐

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

***21** PREVENT FIRE TIMEOUT [0] ☐

1=No timeout 0=Timeout.

***22** KEYPAD PANIC ENABLE [111] ☐☐☐

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.. Must be 0 for UL Commercial Burglary.

***27** TEST REPORT INTERVAL [024] ☐☐

Enter interval in hours, 001-999; 000=no report ; Max. 024 for UL Commercial.

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

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

***29** QUICK ARM [1] ☐

1=yes; 0=no

***30** DIALER (TOUCHTONE OR ROTARY) [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] [ ] [ ] [ ] [ ] [ ]

Dialer Shutdwn | System Shutdwn | Not Used | Remote Bypass | Remote Disarm | Remote Arm | Upload Program | Download Program

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

***38** PREVENT ZONE XXX BYPASS [000] [ ][ ]

001-128; 00 if all zones can be bypassed

***39** ENABLE OPEN/CLOSE REPORT FOR [1] [ ]

INSTALLER CODE 1=enable; 0=disable

***40** OPEN/CLOSE REPORT FOR KEYSWITCH [0] [ ]

1=enable; 0=disable

***41** NORMALLY CLOSED or EOLR (Zones 2-8) [0] [ ]

1=N.C.loops; 0=EOLR supervision; Must be "0" for UL Commercial.

***42** DIAL TONE PAUSE [0] [ ]

0=5 seconds; 1=11 seconds; 2=30 seconds; Must be "0" UL Commercial.

***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 Commercial 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 | Bypass | Trbl | Opn/Cls | Low Bat

0=standard; 1=expanded;

Note: Expanded overrides 4+2 format.

***53** STANDARD/EXPANDED REPORT FOR SECONDARY

[0 0 0 0 0 0] [ ] [ ] [ ] [ ] [ ] [ ]

Alarm | Rstr | Bypass | Trbl | Opn/Cls | Low Bat

0=standard; 1=expanded;

Note: Expanded overrides 4+2 format.

***56** DYNAMIC SIGNALING DELAY [00] [ ][ ]

Select the delay time **(00-15)** times 15 seconds before sending to second destination.

***57** DYNAMIC SIGNALING PRIORITY [0] [ ]

0=Primary dialer ; 1=LRR, as first reporting destination.

***58** LRR CENTRAL STATION #1 CATEGORY ENABLE

[0 0 0 0 0 0] [ ] [ ] [ ] [ ] [ ] [ ]

Alrm | Trbl | Byp | O/C | Syst | Tst

0=disable, 1=enable for reports for primary subs id of LRR

***59** LRR CENTRAL STATION #2 CATEGORY ENABLE

[0 0 0 0 0 0] [ ] [ ] [ ] [ ] [ ] [ ]

Alrm | Trbl | Byp | O/C | Syst | Tst

0=disable, 1=enable for reports for secondary subs id of LRR

***64** PAGER INSTALLED [0] [ ]

0=No, 1=Yes, alpha numeric pager interface is installed.

***65** PAGER PHONE # FOR ALARMS

[ ][ ][ ][ ][ ][ ][ ][ ][ ][ ]

[ ][ ][ ][ ][ ][ ][ ]

Enter 0-9 for each digit; #11 for *; #12 for #; #13 for 2 sec. pause.

***66** PAGER ID # FOR ALARMS

[ ][ ][ ][ ][ ][ ][ ][ ][ ][ ]

Enter up to 10 digits for the pager id #

***67** PAGER PHONE # FOR SUPERVISION

[ ][ ][ ][ ][ ][ ][ ][ ][ ][ ]

[ ][ ][ ][ ][ ][ ][ ]

Enter 0-9 for each digit; #11 for *; #12 for #; #13 for 2 sec. pause.

***68** PAGER ID # FOR SUPERVISION

[ ][ ][ ][ ][ ][ ][ ][ ][ ][ ]

Enter up to 10 digits for the pager id #

***69** PAGER PHONE # FOR BYPASSES

[ ][ ][ ][ ][ ][ ][ ][ ][ ][ ]

[ ][ ][ ][ ][ ][ ][ ]

Enter 0-9 for each digit; #11 for *; #12 for #; #13 for 2 sec. pause.

***70** PAGER ID # FOR BYPASSES

[ ][ ][ ][ ][ ][ ][ ][ ][ ][ ]

Enter up to 10 digits for the pager id #

***71** PAGER PHONE # FOR OPENS/CLOSES

[ ][ ][ ][ ][ ][ ][ ][ ][ ][ ]

[ ][ ][ ][ ][ ][ ][ ]

Enter 0-9 for each digit; #11 for *; #12 for #; #13 for 2 sec. pause.

***72** PAGER ID # FOR OPENS/CLOSES

[ ][ ][ ][ ][ ][ ][ ][ ][ ][ ]

Enter up to 10 digits for the pager id #

***73** PAGER PHONE # FOR SYSTEM

Enter 0-9 for each digit; #11 for *; #12 for #; #13 for 2 sec. pause

***74** PAGER ID # FOR SYSTEM

Enter up to 10 digits for the pager id #

***75** PAGER PHONE # FOR TEST

Enter 0-9 for each digit; #11 for *; #12 for #; #13 for 2 sec. pause

***76** PAGER ID # FOR TEST

Enter up to 10 digits for the pager id #

ZONE TYPE RESTORE ENABLES

***79** FOR ZONE TYPES 1-8 ***80** FOR TYPES 9/10

1 2 3 4 5 6 7 8 9 10

1=enable; [0=disable]

***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 [03]

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

***85** ENABLE DIALER REPORTS

FOR PANICS & DURESS 995 996 999 Duress

[1=enable]; 0=disable

***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 Commercial Burg. 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 Commercial Burg. installations.

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

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

1*07 DISPLAY TRBL INSTEAD OF CHECK [0]

0=display TRBL; 1=display CHECK

1*10 FIRE DISPLAY LOCK [0]

0=scroll all alarms; 1=lock display of first fire alarm.

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 Commercial 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 Commercial UL installations.

1*20 EXIT ERROR LOGIC [0]

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

1*21 EXIT DELAY RESET [0]

0=No; 1=Resets Exit Delay to 60 seconds after zone is closed. Must be "0" for Commercial 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.

1*22 CROSS-ZONING PAIR ONE

1*23 CROSS-ZONING PAIR TWO

1*24 CROSS-ZONING PAIR THREE

1*25 CROSS-ZONING PAIR FOUR

1*26 PANIC BUTTON OR SPEEDKEY

[00, 00, 00, 00] **A** **B** **C** **D**

Enter speedkey macro # (01-32) to use keys A-C for macro. Otherwise enter 00 to use as panic. For D key, enter macro # or 00 to select macro when key is pressed.

MISCELLANEOUS WIRELESS OPTIONS

Fields 1*28 - 1*31 are not applicable for commercial UL installations.

1*28 RF TX LOW BATTERY SOUND [0]

1=immediate; 0=when disarmed

1*29 RF TX LOW BATTERY REPORT ENABLE [0]

1=enable; 0=disable

1*30 RF RCVR CHECK-IN INTERVAL [06]

02-15 times 2 hours; 00 disables supervision

1*31 RF TRANSMITTER CHECK-IN INTERVAL[12]

02-15 times 2 hours; 00 disables transmitter supervision

1*33 TOUCH-TONE W/ROTARY BACKUP [0]

1=enable; 0=disable

1*34 COMM. SPLIT REPORT SELECTION [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 ACCESS CONTROL DIALER ENABLES

[0 0 0 0 0 0] Trace Trbl Byps Not used Syst Alm

1=enable; 0=disable

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 [0] ☐

TAMPER DETECT ENABLE 1=enable; 0=disable. Must be "0" for Commercial 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 (produced only if ALL partitions are armed).
Enter **2** for keypad-like sounding. This option applies only 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 BELL 1 [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 Commercial UL installations.

1*49 SUPPRESS TX SUPERVISION SOUND [1] ☐

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

1*52 SEND CANCEL IF ALARM + OFF [0] ☐

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 Commercial UL installations.

1*56 50/60 Hz CLOCK SPEED [0] ☐

1=50 Hz; 0=60 Hz.

1*57 ENABLE 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, console will beep once. User should press button again within 4 sec. to force bypass those zones. Enter "0" to disable.
Must be "0" for Commercial 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 Commercial UL installations.

1*70 EVENT LOG TYPES

[1 0 0 0 1 0] ☐ ☐ ☐ ☐ ☐ ☐

Alrm Chck Byps O/C Syst Test

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 1=300; 0=1200 [0] ☐

Must be 1200 if using pager interface

1*74 RELAY TIMEOUT XX MINUTES [000] ☐☐☐

Enter the relay timeout, **0-127** 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 YY SECONDS [000] ☐☐☐

Enter the relay timeout, **0-127** 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 FOR PART.[00] ☐☐

Relay will be pulsed for 2 seconds whenever code + [0] is pressed. Enter 00-96; 00=none. Must be "00" for Commercial UL..

3rd Page Programming Fields (press *94)

2*00 NUMBER OF PARTITIONS [1] ☐

Enter 1-8

2*01 DAYLIGHT SAVINGS TIME [04, 10] ☐☐ ☐☐

START/END MONTH Start End
00-12; if no daylight savings time, enter 00,00

2*02 DAYLIGHT SAVINGS 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; 1st Sunday in April, last in Oct.]

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 IF ALARM OCCURS [0] ☐

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*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 J2 TRIGGERS by 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 S
Enter 0 to disable or 1 to enable the listed outputs.
F= Fire; B= Burglary; S= Silent panic/duress. Enter 1 for Commercial Burglary and UL.

2*22 DISPLAY FIRE ALARMS OF OTHER PARTITIONS [0] ☐

0=No; 1=Yes.

2*23 DISPLAY BURG & PANIC ALARMS OF OTHER PARTITIONS [0] ☐

0=No; 1=Yes.

2*24 DISPLAY TROUBLES OF OTHER PARTITIONS [0] ☐

0=No; 1=Yes.

SUMMARY OF PROGRAMMING COMMANDS

- **To enter program mode,** enter installer code + [8] + [0] + [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 & 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,** press *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] ☐☐

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

***10** EXIT DELAY #1 [03] ☐☐

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

***11** ENTRY DELAY #2 [06] ☐☐

00-15 times 15 seconds. Maximum 03 for UL Commercial Burglary installations.

***12** EXIT DELAY #2 [08] ☐☐

00-15 times 15 seconds. Maximum 04 for UL Commercial Burglary installations.

***13** BELL TIMEOUT [04] ☐☐

01-15 times 2 minutes. Minimum 16 minutes for UL. Commercial Burglary installations.

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

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

***22** KEYPAD PANIC ENABLES [111] ☐ ☐ ☐

1=enable; 0=disable 995 996 999

***23** MULTIPLE ALARMS [1] ☐

1=yes; 0=no. Enter 1 for UL Commercial Burglary 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 XXX BYPASS [000] ☐☐☐

001-128; 000 if all zones can be bypassed

***39** ENABLE OPEN/CLOSE REPORT [1] ☐

FOR INSTALLER CODE
1=enable; 0=disable

***84** SWINGER SUPPRESSION [03] ☐☐

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

***85** ENABLE DIALER REPORTS ☐ ☐ ☐ ☐

FOR PANICS & DURESS 995 996 999 Duress
[1=enable]; 0=disable

***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 Commercial Burglary installations.

***90** SEC. SUBS. ACCT # ☐☐ ☐☐ ☐☐ ☐☐

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

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

2nd Page Fields

1*26 PANIC BUTTON OR SPEEDKEY

[00, 00, 00, 00] ☐☐ ☐☐ ☐☐ ☐☐

A B C D

Enter speedkey macro # (01-32) to use keys A-C for macro. Otherwise enter 00 to use as panic. For D key, enter macro # or 00 to select macro when key is pressed.

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 BELL 1 [0] ☐

1=enable; 0=disable

1*52 SEND CANCEL IF ALARM + OFF [0] ☐

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 00-96; 00=none. Must be "00" for Commercial UL.

3rd Page Fields

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
See system-wide field 2*11 if enabling field 2*10. This feature adds high security to the installetion.
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

2*22 DISPLAY FIRE ALARMS OF [0] ☐

OTHER PARTITIONS
0=No; 1=Yes

2*23 DISPLAY BURG/PANIC ALARMS OF [0] ☐

OTHER PARTITIONS
10=No; 1=Yes

2*24 DISPLAY TROUBLES OF OTHER [0] ☐

PARTITIONS
0=No; 1=Yes

SUMMARY OF PROGRAMMING COMMANDS

- **To enter program mode,** enter installer code + [8] + [0] + [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 & 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,** press *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.

UL For UL installations, verify that wireless and audio alarm verification features are disabled.

#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
001-009	All data entries are either 2-digit or 3-digit entries.
000	Exits menu mode, back into field programming mode, when entered at the first question for each category.

Menu selections are as follows:

ZONE PROG?
1 = YES 0 = NO

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

Same as Zone Programming except:
- Done with a minimum number of keystrokes.
- Can program wireless keys using pre-defined templates.

REPORT CODE PROG?
1 = YES 0 = NO

For programming the following:
- Alarm report codes for zones
- Restore & supervisory codes
- All other system report codes

ALPHA PROG?
1 = YES 0 = NO

For entering alpha descriptors for the following:
- Zone Descriptors
- Installer's Message
- Custom Words
- Partition Descriptors
- Relay Descriptors

DEVICE PROG?
1 = YES 0 = NO

For defining the following device characteristics for addressable devices, including keypads, RF receivers (5881), output relay modules (4204/4204CF), 4285/4286 VIP Module, ECP long range radio (7820), and vista gateway module:
- Device Address
- Device Type
- Keypad Options (incl. partition assignment)
- RF House ID
- LRR Options (incl. programming radio)

OUTPUT PGM?
1 = YES 0 = NO

For defining output device functions.

RLY VOICE DESCR? 1 = YES 0 = NO	For entering voice descriptors for outputs to be used with the 4285/4286 VIP Module.
CUSTOM INDEX ? 1 = YES 0 = NO	For creating custom word substitutes for VIP Module annunciation.
ACCESS POINT PGM 1 = YES 0 = NO	For defining the parameters for each of the VistaKey access points including which group(s) have access through an access point (door). See the *VistaKey-SK Installation and Setup Guide* for the detailed programming instructions.
ACCESS GRP PGM 1 = YES 0 = NO	For defining the capabilities (privileges) for each group of users. See the *VistaKey-SK Installation and Setup Guide* for the detailed programming instructions.
EVENT/ACTION PGM 1 = YES 0 = NO	For defining events and time windows for an access group. See the *VistaKey-SK Installation and Setup Guide* for the detailed programming instructions.

Zone Programming

ZONE PROG? 1=YES 0=NO	Press **1** to enter ZONE PROGRAMMING mode. The following screens will appear. Press [*] to display the next screen. Press # to display a previous screen.
SET TO CONFIRM? 0 = NO 1 = YES 0	This prompt will appear 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. 000 = QUIT 010 Zone 010 entered ↑	Enter the 3-digit zone number to be programmed, as follows: Protection Zones = 001–128 Relay Zones = 601–632. ECP Device Supervisory Zones = 800–830. System Supervisory Zones = 988, 990, 992 (duress), 997 Keypad Panic Zones = 995, 996, 999. Press [✶] to continue.
010 ZT P RC In L 00 1 10 00 1	This display will appear, 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 will appear as shown here. If 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.
↓ Zone Number 010 ZONE TYPE PERIMETER 03 Zone Type 03 entry shown † These are special zone types used with 5800 Series Wireless Pushbutton Units which will result in arming the system in the STAY or AWAY mode, or disarming of 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 *VISTA-50PEN 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., Output activation) 27 = Access Point 28 = MLB Supervision (if VGM installed) 29 = Momentary on Exit* NOTE: Used with VistaKey modules only. Press [✶] to continue.

010 PARTITION 1

Enter the partition number **(1–8)** you are assigning this zone to.

Press [✶] to continue.

010 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 *System Communication* section for more information about report codes and report code formats.)

Press [✶] to continue.

010 INPUT TYPE RF Xmitter 3

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.
- 09 = keypad input (code + #73)
- 10 = PassPoint ACS input
- 11 = VistaKey Door Status Monitor (DM)*
- 12 = VistaKey Request to Exit (RE)*
- 13 = VistaKey General Purpose (GP)*

Note that input types 4 & 5 are valid for certain 5800 Series transmitters only (e.g., 5801, 5802, 5802CP & 5803).

Input type 10 is applicable only if PassPoint ACS is installed with the Vista Gateway Module.

If response type 28 was selected, the input type MUST be 00.

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 programming hardwired, or DIP switch polling loop devices, the summary display appears after completing this entry.

* Only used with VistaKey door access modules.

Press [✶] to continue.

010 ACCESS POINT (00-31) 01

If response type 27, 29, or input types 11 – 13 was selected, this prompt will be displayed. Enter the access point to be controlled by the input type **(00-31 for type 27; 01-15 for type 29; 01-15 for types 11 - 13)**.

Note: This prompt also appears when the input type selected is 06. For standard SL, the selected address must be 00.

Note: If you are using the VistaKey module, the access point must match the address that was set in the module.

010 ENTRY OR EXIT 0

If response type 27 selected, this prompt will be displayed. Enter whether the access point is an entry or exit point.

0 = entry; **1** = exit

010 V-PLEX RELAY? 1 = YES 0 = NO

If input type 6 was selected, this prompt is displayed. Enter **1** if using a 4101SN relay module for this zone. Otherwise enter **0**.

010 CONS ECP ADDR (00-30) 01

If input type 09 was selected, this prompt is displayed. Enter the ECP address of the keypad that is being used for entry/exit for this access point **(00-30)**.

010 ACS ZONE # (00-31) 01

If input type 10 was selected, this prompt is displayed. Enter the PassPoint ACS zone ID that this VISTA zone maps to **(00-31)**.

010 INPUT S/N:	L
AXXX-XXXX	1

Serial Number Entry and Loop Number Entry.

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).

Press [✶] to accept.

010 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 *section*).

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.

010 INPUT S/N:	L
A022-4064	1

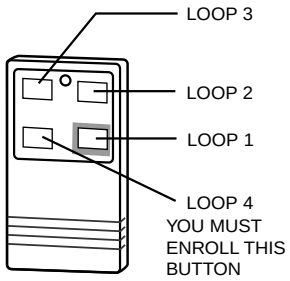
The system will then check for a duplicate serial/loop number combination.

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 showing the serial number and loop number entry will appear.

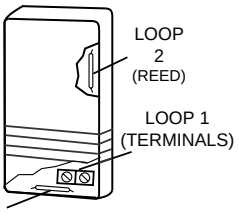
Press [✶] to continue.

5800 Series Transmitters Loop Designations

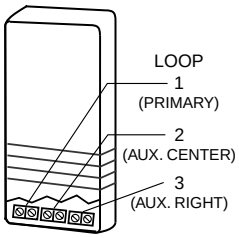


5801
ENROLL AS "UR" OR "RF"

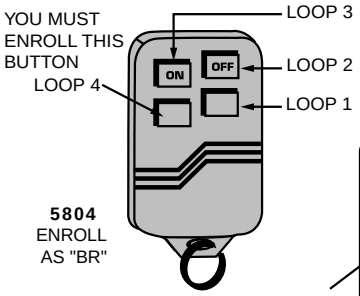
5802MN
ENROLL AS "UR" OR "RF"



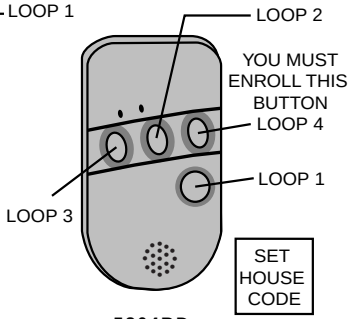
5816MN
ENROLL AS "RF"



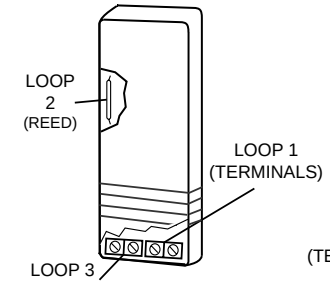
5817
ENROLL AS "RF"



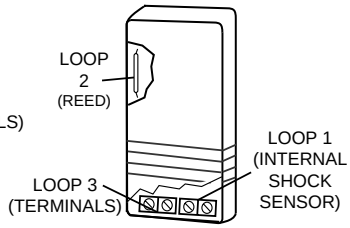
5804
ENROLL AS "BR"



5804BD
ENROLL AS "BR"



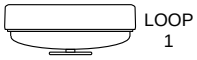
5819
ENROLL AS "RF"



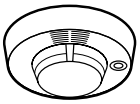
5819S (WHS & BRS)
ENROLL AS "RF"

5827
SET HOUSE CODE

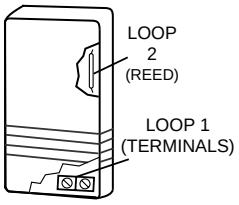
5827BD
SET HOUSE CODE



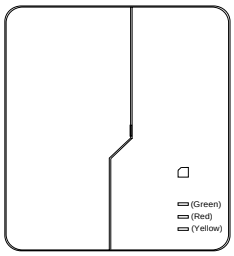
5809
ENROLL AS "RF"



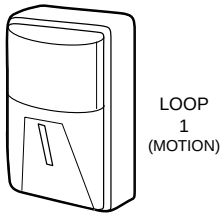
5808
ENROLL AS "RF"



5816
ENROLL AS "RF"



5850 (GBD)
ENROLL AS "RF"



5890
ENROLL AS "RF"

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.

XMIT TO CONFIRM PRESS ✶TO SKIP

Confirmation Option: This prompt will only appear if you answered “Yes” at the first prompt. The system will enter 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 will appear. If the loop number does not match, it will also be displayed.

If so, activate the loop input or button on the transmitter once again. If a match is not obtained, press the [#] key twice and then enter or transmit the correct serial number.

010	ZT	P	RC	In	L
	01	2	00	RF	1s

If the serial number transmitted <u>does</u> match the serial number entered, the system will beep 3 times and a summary display will appear, 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.

ENTER ZONE NO.	
000 = QUIT	011

The system will now return you to the "ENTER ZONE No." prompt for the next zone.

When all zones have been programmed, enter "000" 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 in the *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 for this. The system will check only for transmission of one zone on a particular transmitter, NOT the zones assigned to each additional loop, and also will 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.

Enter the Programming Mode with **[Installer Code] + 8 0 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" (N0) to each prompt until the "EXPERT MODE?" prompt appears.

EXPERT MODE?	
1 = YES	0 = NO

Press **1** to enter Expert mode.

SET TO CONFIRM?	
0 = NO 1 = YES	0

This prompt will appear once upon entering Expert Mode.

If "Yes," Confirmation prompts will be displayed after the device's Serial and Loop numbers have been entered later.

Zn	ZT	P	RC	In	L
<u>001</u>	03	1	10	HW	-

A summary display will appear, showing zone 1's current programming or default values.

Zn	ZT	P	RC	In	L
<u>010</u>	03	1	10	RF	1s

Enter the desired 3-digit zone number and press [✶].

Note: If you want to exit the expert mode, enter "000" + [✶].

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)

Zn	ZT	P	RC	In	L
010	03	1	10	RF	-

Enter all zone information except for Loop number, or press “C” to copy the zone information on this screen from 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

ZN	B	M	V	ACE	AD
010	–	–	1	011	01

Enter the remainder of the zone’s information, or press the [C] key to copy the zone attributes on this screen from the last saved zone.

B = Not Applicable
M = Not Applicable
V = V-plex Relay? (only used if “In” = 6)
AC = Access Point (only used if ZT = 27, 29 or In = 6, 11, 12, 13)
E = Entry or Exit? (only used if ZT = 27)
AD = Address (only used if “In” = 9 or 10)
If “In” = 9, enter the Device Address
If “In” = 10, enter the PassPoint Zone Number)

NOTE: Pressing the [C] copies the zone attributes from the last saved zone. Verify the attributes for this zone are correct.

NOTE: When response type 29 is selected, the access point (AC) must be from 01-15. When the input type selected is 06, the access point selected must be 00.

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 “V” field

Press [✶] to accept existing information

010 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.

010 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 exists, a long error beep will sound and the keypad displays the serial number along with a “?” for the loop number, allowing you to re-enter the correct loop number.

010 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 will only appears if you answered "Yes" at the "SET TO CONFIRM?" prompt.

The system will enter 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 A022-4064 1
Rcvd A022-4063

If the serial number transmitted <u>does not</u> match the serial number entered, a display similar to the one at the left will appear.

If so, activate the loop input or button on the transmitter once again. If a match is not obtained, 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
011 00 1 10 RF 1s

If the serial number transmitted <u>matches</u> the serial number entered, the system will beep 3 times and advance to the summary display for the next zone's programming.

After all the serial numbers 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 in the *Programming Guide*; then enter the other information (zone number, zone type, etc.) relevant to that device.

Entering Wireless Keys

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

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
2T 23 22 21 23 1

When [✶] is pressed, the selected template will be 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
000 = QUIT 024

↑

Example of zone number suggested by the system. This indicates that zones 24, 25, 26, and 27 are available.

The system will search for the highest available, consecutive 4-zone group, (the four zones required for the 5804 and 5804BD), and display the lowest zone number of the group.

If you want to start at a different zone, 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 will again display a suggested zone that can be used.

If the required number of consecutive zones is not available at all, the system displays "00"

Press [✶] to accept.

024 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, using the Alpha keypad.

Press [✶] to accept serial number. The system will check for 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 YES was entered at the SET TO CONFIRM prompt previously (see first prompt following entry into the **Expert Programming Mode**), the display on the left will appear.

To confirm, activate the button on the wireless key that corresponds to this zone.

Entd A022-4064 Rcvd A022-4063

If the serial number transmitted <u>does not</u> match the serial number entered, a display similar to the one at the left will appear.

If so, activate the loop input or button on the transmitter once again. If a match is not obtained, 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 000 = QUIT 028

If the serial number transmitted <u>matches</u> the serial number entered, the system will beep 3 times and revert to the summary display on the "Start Zone No." prompt and will show the lowest numbered zone of the next available 4-zone group (consecutive zones) that is available for programming.

After all the serial numbers 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 in the *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

Report Code Programming

All report codes are entered using *#93 Menu Mode Programming*, either through *Report Code Programming*, or through the *Zone Programming* while entering other zone information. In the VISTA-50PEN, reports are divided into five categories. These categories represent the main menu options found in the *Report Code Programming*. Reports and the categories in which they are found are as follows:

ALARM CODES	**RESTR, SUPV. CODES (for groups of 16 zones)**	**SYSTEM GROUP #1**
Zone Alarm Reports	Alarm Restore Trouble Trouble Restore Bypass Bypass Restore	Closing (arm AWAY) Opening (disarm) System Low Battery Low Battery Restore AC Loss AC Restore Periodic Test Power Cancel Program Tamper

SYSTEM GROUP #2	**SYSTEM GROUP #3**	**SYSTEM GROUP #4**
Arm STAY Time Set, Log Reset Log 50%, 90% Full Event Log Overflow Exit Error by Zone Exit Error by User Recent Close	Early Open Early Close Late Open Late Close Failed to Open Failed to Close Auto-Arm Failed Schedule Change	Fire Walk-Test Start Fire Walk-Test End Off-Normal

The programming sequence that follows assumes that you will be entering all reports for the system at one time. In actuality, you may skip from one main menu option to another by pressing **0** (N) at each main menu option. Main menu options are highlighted in bold text. To enter report codes, do the following:

Enter Program Mode **[Installer Code] + 8 0 0 0**. Then press **#93**. Enter **0** (N) at each main menu option until the *Report Code Programming* option is displayed.

REPORT CODE PROG 1 = YES 0 = NO 0	Press 1 (Y) to enter to *Report Code Programming*.

Zone Alarm Reports

ALARM, ID DIGIT? 1 = YES 0 = NO 0	Press **1** (Y) to enter Alarm Report Codes for zones. Press **0** (N) to skip to the next main menu option.
ENTER ZONE NO. 000 = QUIT 001	Enter the zone number for which you are entering the report code. Press [✶] to continue.
001 REPORT CODE 1st 00 2nd 00 000	Enter the first digit of the Alarm report code (double-digit entry) and press [✶]. Enter the 2nd digit of the Alarm Report code. Press [✶] to continue.
ENTER ZONE NO. 000 = QUIT 001	Enter the zone number for which you are entering the report code. When all zone Alarm Codes have been programmed, enter 000 to Quit. Press [✶] to continue.
QUIT REPORT MENU 1 = YES 0 = NO 0	If you have completely finished entering report codes, press **1** (Y) to quit *Report Code Programming*. If you wish to enter other system report codes, enter **0** (N). Press [✶] to continue.

Restore/Supervisory Codes

RESTR, SUPV. CODE 1 = YES 0 = NO 0	Press **1** (Y) to enter Restore and Supervisory Codes for zones.

ENTER ZN FOR GRP 000 = QUIT 001	Enter one zone for each group of 16 zones (001-016, 017-032, etc.).
ALARM RESTORE GRP 001-016 00	Enter the first digit of the Alarm Restore Report Code for this group of zones (double-digit entry). The second digit (for two-digit reporting formats) is automatically the ID (second) digit of the Alarm Report Code for each zone (if programmed). Press [✶] to continue.
TROUBLE GRP 001-016 00	Enter the first digit of the Trouble Report Code for this group of zones (double-digit entry). The second digit (for two-digit reporting formats) is automatically the ID (second) digit of the Alarm Report Code for each zone (if programmed). Press [✶] to continue.
TROUBLE RESTORE GRP 001-016 00	Enter the first digit of the trouble restore code (single-digit entry) and press [✶]. The second digit (for two-digit reporting formats) is automatically the ID (second) digit of the alarm report code for each zone (if programmed). Press [✶] to continue.
BYPASS GRP 001-016 00	Enter the first digit of the Bypass Report Code (double-digit entry) and press [✶]. The second digit (for two-digit reporting formats) is automatically the ID (second) digit of the Alarm Report Code for each zone (if programmed). Press [✶] to continue.
BYPASS RESTORE GRP 001-016 00	Enter the first digit of the Bypass Restore Report Code (double-digit entry) and press [✶]. The second digit (for two-digit reporting formats) is automatically the ID (second) digit of the Alarm Report Code for each zone (if programmed). Press [✶] to continue.
ENTER ZN FOR GRP 000 = QUIT 017	Enter one zone for each group of 16 zones. When finished entering Restore and Supervisory Codes for all zone groups, enter **000**. Press [✶] to continue.
QUIT REPORT MENU 1 = YES 0 = NO 0	If you have completely finished entering report codes, press **1** (Y) to quit *Report Code Programming*. If you wish to enter other system report codes, enter **0** (N). Press [✶] to continue.

System Group #1 Codes

SYSTEM GROUP #1? 1 = YES 0 = NO 0	To enter System Group #1 codes, press **1** (Y).
CLOSE 1st 00 2nd 00	Enter the first digit of the Closing (Arm-AWAY) report. Press [✶]. Enter the second digit of the report. If the user number is desired as the second digit, enter **01** (not necessary for Contact ID or High Speed formats). Press [✶] to continue.

Enter the rest of the codes in the same manner. Other report codes in System Group #1 are:

- Opening (Disarm). Enable this if you desire Callback Requested reports (the panel answers a phone call from the downloader).
- System Low Battery
- Low Battery Restore
- AC Loss
- AC Restore
- Periodic Test
- Power
- Cancel
- Program Tamper

Once you have entered these report codes, the system will prompt:

QUIT REPORT MENU 1 = YES 0 = NO 0	If you have completely finished entering report codes, press **1** (Y) to quit *Report Code Programming*. If you wish to enter other system report codes, enter **0** (N). Press [✶] to continue.

System Group #2 Codes

SYSTEM GROUP #2 ?
1 = YES 0 = NO 0

To enter System Group #2 codes, press **1** (Y).

STAY
1st 00 2nd 00

Enter the first digit of the Arm-STAY report. Press [✶]. Enter the second digit of the report. If the user number is desired as the second digit, enter **01** (not necessary for Contact ID or High Speed formats).
Press [✶] to continue.

Enter the rest of the codes in the same manner. Other codes in System Group #2 are:

- Time Set, Log Reset
- Log 50%, 90% Full
- Event Log Overflow
- Exit Error by Zone
- Exit Error by User
- Recent Close

Once you have entered these report codes, the system will prompt:

QUIT REPORT MENU
1 = YES 0 = NO 0

If you have completely finished entering report codes, press **1** (Y) to quit *Report Code Programming*. If you wish to enter other system report codes, enter **0** (N).
Press [✶] to continue.

System Group #3 Codes

SYSTEM GROUP #3 ?
1 = YES 0 = NO 0

To enter System Group #3 codes, press **1** (Y).

EARLY OPEN
1st 00 2nd 00

Enter the first digit of the Early Opening Report Code. Press [✶]. Enter the second digit of the report code. If the user number is desired as the second digit, enter **01** (not necessary for Contact ID or High Speed formats).
Press [✶] to continue.

Enter the rest of the codes in the same manner. Other codes in System Group #3 are:

- Early Close
- Late Open
- Late Close
- Failed to Open
- Failed to Close
- Auto-Arm Failed
- Schedule Change

Once you have entered these report codes, the system will prompt:

QUIT REPORT MENU
1 = YES 0 = NO 0

If you have completely finished entering report codes, press **1** (Y) to quit *Report Code Programming*. If you wish to enter other system report codes, enter **0** (N)
Press [✶] to continue.

System Group #4 Codes

SYSTEM GROUP #4 ?
1 = YES 0 = NO 0

To enter System Group #4 codes, press **1** (YES).

WALK TEST START
1st 00 2nd 00

Enter the first digit of the Fire Test Start Report Code. Press **[✶]**. Enter the second digit of the report code.
Press **[✶]** to continue.

Enter the rest of the codes in the same manner. Other codes in System Group #4 are:

- Walk-Test End.
- Off-Normal.

Once the report codes have been entered, the system will prompt:

QUIT REPORT MENU
1 = YES 0 = NO 0

If all of the report codes have been entered, press **1** (YES) to quit *Report Code Programming*.

QUIT MENU MODE?
1 = YES 0 = NO 0

Enter **1** to exit back to normal Programming mode. Enter **0** to stay in Menu Mode.

Alpha Descriptors Programming

- You can program a user-friendly English language description/location for all protection zones, outputs, 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 3-digit zone numbers, the first word of the descriptor is limited to 6 characters if you want it to fit on the top line of the display.

- In addition, up to 60 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 which will be displayed when the system is "Ready" (e.g., THE PETERSON'S).

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 6 sub-menu 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 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 **[✶]001** to begin entering the description for Zone 1, (key **[✶]002** for Zone 2, **[✶]003** for Zone 3 etc.). The following will be displayed: ✶ZN 001 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., #001).

   To edit zone descriptors, key [✶] plus zone number (e.g., ✶001)

7. **Exit Zone Description Mode: enter 000.**

Custom Message Display (Installer's Message)

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 will ask for the partition number for this message.

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

   The following will appear:

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

   A cursor will be 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 will then move 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.

1. **Save the message.**

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

2. **The system will ask for a new partition number.**

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

Custom Words

Up to 60 installer-defined words can be added to the built-in vocabulary. Each of the 60 "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 (01-60) 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 will now appear 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 will then move 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 will return you to the “CUSTOM WORD?” display. The custom word (or string of words) will be 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 255 to 314 for words 1 to 60, respectively, when using method 3a to enter alpha descriptors.

   When using method 3b to enter alpha descriptors, each word will be found 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 60 custom words (or word strings).**

7. **Exit Custom Word Mode by entering 00 at the “CUSTOM WORD” prompt.**

Partition Descriptors

3. **Select "Part DESCRIPT." Mode.**

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

4. **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**
• **236 0**
• **237 1**
• **238 1ST**
• **239 2**
• **240 2ND**
• **241 3**
• **242 3RD**
• **243 4**
• **244 4TH**
• **245 5**
• **246 5TH**
• **247 6**
• **248 6TH**
• **249 7**
• **250 7TH**
• **251 8**
• **252 8TH**
• **253 9**
• **254 9TH**
255 Custom Word 1
to
314 Custom Word 60

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 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, and other devices connected to the keypad terminals. From Data Field Programming Mode, press **#93** to display "ZONE PROG?". Press **0** repeatedly to display "DEVICE PROG?".

DEVICE PROG?
1=YES 0=NO

Press **1** to enter *Device Programming*.

DEVICE ADDRESS
01-30, 00=QUIT

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).**

Notes:

- Device Address 01 is defaulted for an AUI (Symphony) with Keypad Global arm/disarm enabled.
- Device Address 04 must be used for the 4285/4286 Voice Module, if one is utilized. If not, it can be used for another device type.
- Device Address 08 must be used for TeleSmart, if one is utilized. If not, it can be used for another device type. If using TeleSmart, you must program Device Address 07 as an alpha console. **Do not connect an actual keypad set to address 07 to the control panel. This setup is necessary for remote access of TeleSmart.**

Press [✶] to accept entry.

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.

DEVICE TYPE
00

Select the type of addressable device as follows:

00 = device not used
01 = alpha keypad (6139/6139R; AUI)
03 = RF receiver (5881)
04 = output relay module (4204)
05 = voice (VIP) Module (4285/4286)
06 = long range radio
08 = fire display (FSA)
09 = Vista Gateway Module (VGM)
11 = Telesmart

Press [✶] to accept entry.

Alpha Keypad

01 CONSOLE PART.
1

If device type 1 (alpha keypad) is selected, this prompt will appear. 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 which the device is intended to be used. Enter 9 to make this keypad a "Master" keypad for the system.

Press [✶] to accept entry.

01 SOUND OPTION
0

If device type 1 (alpha keypad) is entered, this prompt will appear. 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 **0-3** for the keypad sounding suppression options desired for the keypad as follows:

0 = no suppression.
1 = suppress arm/disarm & entry/exit beeps.
2 = suppress chime mode beeps only.
3 = suppress arm/disarm, entry/exit **and** chime mode beeps.

Press [✶] to accept entry.

01 KEYPAD GLBL?
0

If device type 1 (alpha keypad) is entered, this prompt will appear. Each keypad can give users with access to multiple partitions the ability to arm and disarm those partitions from it. To enable this keypad for global arming/disarming, enter **1**. To prevent the ability to use this keypad for global arming/disarming, enter **0**.

Press [✶] to accept entry.

01 AUI? 1=YES 0=NO 0

If device type 1 (alpha keypad) is entered, this prompt will appear. Enter **1** (YES) if this device is an AUI (Symphony).

RF Expander

01 RF EXPANDER HOUSE ID XX

If device type 3 (RF receiver) is selected, this prompt will appear. Enter the 2-digit House ID (**00-31**). This is required if using a wireless keypad (5827/5827BD) with a 5800 Series system.

Press [✶] to accept entry.

Output Relay Module

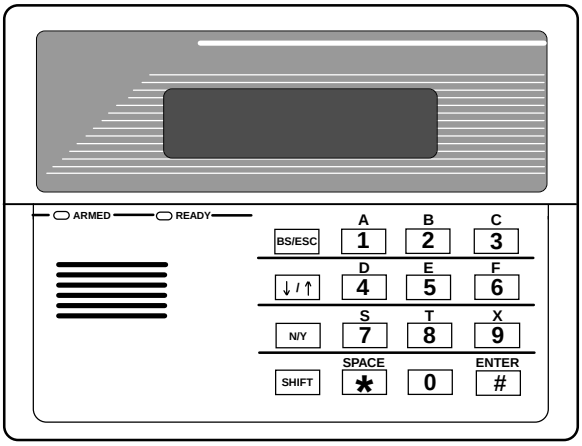
01 SUPERVISED CF? 1=YES 0=NO 0

If device type 4 (relay module) is selected, this prompt will appear. Enter **1** if the unit is a 4204CF. If not, enter **0**. If 1 is entered, only Relay 1 (Output A) and Relay 3 (Output B) on each module may be programmed for functions. This module is usually used to add two additional supervised bell outputs to the system.

Press [✶] to accept entry.

Long Range Radio

If device type 6 is chosen, the 6139 Keypad will function similar to the LRR Programming Tool. See *Figure 1* for the functions of the keys on the 6139.



SHIFT function indicated by turning on **READY LED**.

Figure 1: 6139 Key Functions for Programming the ECP Radio

Each key has two possible functions: a normal function and a SHIFT function. To perform a normal key function, simply press the desired key. To perform a SHIFT key function, press SHIFT key, then press desired function key.

Normal and SHIFT key Functions:

Key	Normal Key Function	SHIFT Key Function
BS/ESC	[BS]: Press to delete entry Also, can reset EEPROM defaults *	[ESC]: Press to quit Program Mode.
↓/↑	[↓]: Scroll down programming	[↑]: Scroll up programming
N/Y	[N]: Press for "NO" answer.	[Y]: Press SHIFT-Y for "YES" answer
SHIFT	Press before pressing a SHIFT key function. Will light READY LED. LED goes out once a key is pressed. Press again for each SHIFT function desired.	
1/A	[1]: For entering the number 1	[A]: Used for entering C.S. ID number
2/B	[2]: For entering the number 2	[B]: Used for entering C.S. ID number
3/C	[3]: For entering the number 3	[C]: Used for entering C.S. ID number
4/D	[4]: For entering the number 4	[D]: Used for entering C.S. ID number
5/E	[5]: For entering the number 5	[E]: Used for entering C.S. ID number
6/F	[6]: For entering the number 6	[F]: Used for C.S. ID & FAST Mode
7/S	[7]: For entering the number 7	[S]: Press to display diagnostic status
8/T	[8]: For entering the number 8	[T]: Press to send TEST messages
9/X	[9]: For entering the number 9	[X]: Press to reset the 7820
*/SPACE	[*]: Not used with 7820	[SPACE]: Not used with 7820
0	[0]: For entering the number 0	No SHIFT function
#/ENTER	[#/ENTER]: Press to accept entries	No SHIFT function

✶ Active only when the "REVIEW?" prompt is displayed.

The 6139 Keypad will display the following prompts, which are sent by the Long Range Radio transmitter to the control. **Note: These prompts are for the 7820 Radio only. If you are using a different radio, refer to the radio's instructions for the correct prompts.**

DEVICE ADDRESS	Enter the device address of the radio. The default address is 3.
ID # (1234)	Enter the 4-digit customer account number, **0001-9999**. This ID number will appear in the messages generated by the radio. Messages generated by the panel and transmitted by the radio will contain the ID number programmed into the panel. The radio and the panel should have the same ID number, if possible.

If a different 4-digit customer account number is used in the radio than is programmed into the alarm control, the radio will transmit radio-specific messages (power-on reset, AC fail, etc.) using the radio customer number, and alarm messages using the control panel's customer number. If these numbers are different, you will be billed for two AlarmNet radio accounts.

ODD [Y/N] (N)	Enter **Y** for odd system flag; **N** for even system flag.
Alarmnet (Y/N) (Y)	Enter **Y** if an AlarmNet installation. Enter **N** for private system users (skip to Question 7).
CS ID (11)	Enter the primary central station's system ID number, **1-7F** (will not be displayed for private system users).
BAT PRESENT [Y/N] (N)	Enter **Y** if optional battery will be used. **Must be Y for UL installations (a battery must be installed).**
USE RADIO # [Y/N] (N)	If **Y** is selected, the Radio ID number will replace the panel Subscriber ID in panel-generated messages with the Radio ID number. If **N** is selected, the radio will send panel-generated messages with the panel Subscriber ID number.
2ND CS ID (12)	**This must be programmed with a value, even if it is the same as the primary central station.** The alarm panel has the option to send a selected message to the second central station.
REVIEW (Y/N) (N)	Enter **Y** to review the programming options and to ensure that the correct responses have been made. Parameters can be changed during review. Enter **N** to end programming session.

VIP Module and VISTA Gateway Module

01 MODULE PART. 1	If device type 5 (VIP Module) or type 9 (VGM) is selected, this prompt will appear. 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.

Output Programming

The system supports up to 96 outputs. Outputs can be used to perform many different functions and actions. Each output must be programmed to begin one of four 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 choices of actions:

- 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.
- TOGGLE on and off alternately with each activation of event.

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

1) **EVENT (EV)** is the condition (alarm, fault, trouble, restore) 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 or zone number is used.

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 15 zone lists that can be programmed; when the selected EVENT (alarm, fault or trouble) occurs in **any** zone in the selected "Start" ZONE LIST (01-15), activation of the selected device will START.

2) **ZONE #** A specific zone going into alarm, fault, trouble, or restore (Event programming) can be used to start the output action. Enter the 3-digit zone number (000-128).

3) **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 which are **not** to activate this device, then "ZONE TYPE" may be used instead of using 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, the appropriate choice would also be entered 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 Outputs" later in this section, and on the Programming Form.

4) **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 will be de-activated. The following options are available:

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

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

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

If a "SYSTEM OPERATION" is chosen, that operation will cause the device to de-activate. The different choices for "ZONE TYPE" and "SYSTEM OPERATION" are listed in "Programming Outputs" 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.

Output Devices Programming

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

While in this mode, press [✶] to advance to next screen. Press [**#**] to backup to the previous screen.

ENTER OUTPUT #
(00=QUIT) 01

Enter the output (output device) identification number **01-96**. 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 will display a summary STOP screen.

Press [✶] to continue.

02 OUTPUT ACTION
NO RESPONSE 0

The Output Action is the way in which the output will respond when activated by the "start" event. Enter the desired action for this output as follows:

0=not used; **1**=close for 2 secs.; **2**=stay closed; **3**=pulse on/off; **4**= toggle on and off alternately

02 START EVENT
NOT USED 0

An output may be activated either 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; **4**=restore

If not using a Zone List to activate the output, enter **0.**

Press [✶] to continue.

02 START: ZN LIST
00

A Zone List is a set of zones that can be used to initiate the start or stop output action. If a zone list is being used to start this output action, enter the Zone List number **1-15**. If a zone list is not being used, enter **0**.

Press [✶] to continue.

02 START: ZONE #
000

A specific zone can be used **instead** of or **in addition** to an Event/Zone List or Zone Type/System Operation combination to start the output action. Enter the 3-digit zone number.

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 output action. If a Zone Type/System Operation is being used, enter the 2-digit code as listed below.

Press [✶] to continue.

Choices for Start/Stop Zone Types and System Operations:

00 = No Response (Not Used)	27 = Access Point (allows more than one relay to be controlled by activation if access point request)	40 = Bypassing
01 = Entry/Exit #1		41 = AC Power Fail
02 = Entry/Exit #2		42 = System Battery Low
03 = Perimeter		43 = Communication failure
04 = Interior Follower	28 = MLB Supervision	44 = RF Low Battery
05 = Trouble Day/Alarm Night	29 = Momentary on Exit***	45 = Polling Loop Failure
06 = 24-Hr. Silent	31 = End of Exit Time	47 = Console Failure
07 = 24-Hr. Audible	32 = Start of Entry Time	51 = RF Receiver Failure
08 = 24-Hr. Auxiliary	33 = Any Burglary Alarm	52 = Kissoff
09 = Fire Alarm or Trouble	34 = Code + [#] + 71 Key Entry	54 = Fire Zone Reset
10 = Interior W/Delay	35 = Code + [#] + 72 Key Entry	55 = Disarm + 1 Minute
20 = Arming-STAY	36 = At Bell Timeout **	56 = XX Minutes (enter XX in field 1*74) *
21 = Arming-AWAY	37 = 2 Times Bell Timeout **	57 = YY Seconds (enter YY in field 1*75) *
22 = Disarming ([Code] + Off)	38 = Chime	58 = Duress
23 = No Alarm Response	39 = Fire Alarm	60 = Audio Alarm Verification (must be selected for both START and STOP operation)

* Stop condition only

** Or at Disarming, whichever occurs earlier

*** Used with VistaKey door access modules,

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

02 START: ACS PT (00-31) 00	If the start zone type selected was 27 (access point), this prompt will be displayed. Enter the access point **(00-31)** which will start the output action. Press [✶] to continue.
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.
02 STOP: ZN LIST 00	If a zone list is being used to stop this output action, enter the zone list number **1-15**. The **restore** of a zone on the Zone List will stop the output. 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 output action, enter the 2-digit code as listed in the Choices for Start/Stop System Operation chart. Press [✶] to continue.
02 STOP: ACS PT (00-31) 00	If the stop zone type selected was 27 (access point), this prompt will be displayed. Enter the access point **(00-31)** which will stop the output action. 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 OUTPUT GROUP 00	Outputs may be grouped for common activation by time-driven events (commands **06-10**). Enter **00** (no group) or **01-15** for a specific group number. Press [✶] to continue.
02 RESTRICTION 1=YES 0=NO 0	The system may have some devices, which are not intended to be under end user control, such as outputs activating fire doors or machinery. Enter **1** if the end user will be restricted from accessing this output group. Press [✶] to continue.
02 OUTPUT TYPE V-PLEX 0	Enter **0** for V-Plex (polling loop) devices. Enter **1** for (ECP) relay modules (4204/4204CF). Enter **2** for (X10) Powerline Carrier devices. Enter **3** for (FSA) Fire System Annunciator. Press [✶] to continue.
02 V-PLEX ZONE # 000	For polling loop trigger outputs (4101SN), enter the protection zone number (001-128) linked to each output, if used. Be sure to enroll the module's serial number (see Zone Programming). Press [✶] to continue.
02 ECP ADDRESS 00	If **1** or **3** was selected for (4204/4204CF or FSA), enter the actual module's address **(01-15 – 4204/4204CF) (08-23 – FSA)** as set by its DIP switches. Up to 8 4204/4204CF modules and up to 4 FSA modules can be installed in a system. Press [✶] to continue.
02 MODULE RELAY# 0	For 4204 Relay Outputs, enter the specific relay number on that module (**1-4**). **For 4204CF outputs, *enter only module relay number 1 (Output A) or relay number 3 (Output B).*** These are the only two programmable relays on the 4204CF Module. Press [✶] to continue. The keypad will display the Start and Stop summary screens again. Press [✶] to continue.
02 HOUSE CODE A 00	If **2** was selected for Powerline Carrier 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 numberical unit code of the Powerline Carrier device (00-15). Press [✶] to continue. The keypad will display the Start and Stop summary screens again. Press [✶] to continue.
01 LED # 00	Enter the LED number on the FSA module **(01-08 for FSA-8; 01-24 for FSA-24)**. Press [✶] to continue. The keypad will display the Start and Stop summary screens again. Press [✶] to continue.

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

If 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.

If supervision of the 4204CF Relay Output is desired, enter a response type for that output's corresponding supervisory zone. This is equal to 600 + [Output ID No.]. For example, if you are programming Output ID No. 1, the output's supervisory zone would be 601. Program this zone for response type 05 (Day/Night) in *Zone Programming*.

Zone List Programming

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

ENTER Zn LIST ? 00=QUIT 00	Enter the zone list number **01-15**. Enter **00** to quit.
01 ADD ZONE # 000=QUIT 000	Using 3-digit entries, enter each zone to be included in this zone list. Press [✳] after each zone number is entered. When all zones have been entered, enter **000**. Press [✶] to continue.
01 Del Zn LIST ? 1=YES 0=NO 0	Enter **0** to save the zone list entered. Enter **1** to delete that zone list.
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 1 is entered, the following screen will appear, otherwise the "Enter Zone LIST" prompt will reappear.
01 Zn to DELETE ? 000=QUIT 000	Enter each zone number to be deleted from the zone list, pressing [✶] after each number.
VIEW Zn LIST ? 00=QUIT 00	This will appear if **00** is pressed at the “Enter Zone LIST” prompt. Enter the zone list number that you wish to view. Press [✶] to continue.
01 ASSIGNED ZONE 000=QUIT 000	Press [✶] to scroll through all zones in that list. Enter **000** +[✶] to quit. Press **[1]** to exit Menu Mode. Press ✶**99** to exit Program Mode.

Relay Voice Descriptors

If using the 4285/4286 VIP Module, voice descriptors can be programmed for outputs 1-32 (even though the system has 96 outputs, only 1-32 can have a Relay Voice Descriptor programmed). These descriptors will be announced by the voice module when accessing the outputs via the # 70 Relay Access Mode via 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.

RLY VOICE DESCR? 1=YES 0=NO 0	Press **1** to program voice descriptors for outputs.
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 [✶]
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 will appear. Enter the next relay number to be programmed. When all output devices have been programmed, enter **00** to quit. Enter ✶99 to exit Program Mode.

Relay Voice Descriptors and Custom Word Substitutes Vocabulary

Word	Index	Word	Index	Word	Index	Word	Index	Word	Index
Air	116	Daughter's	208	Front	087	No	165	Side	153
Alarm	255	Den	052			North	146	Six	075
And	067	Detector	128	Garage	023	Not	012	Sixth	219
Apartment	117	Device	060	Gas	138			Smoke	024
Appliances	161	Dim	163	Glass	139	Off	011	Son's	223
Area	118	Dining	031			Office	147	South	155
Attic	119	Door	016	Hall	050	On	058	Stairs	006
		Down	008	Heat	010	One	070	Station	156
Baby	120	Downstairs	184			Open	148	Storage	157
Back	121	Driveway	130	Inside	209	Outside	210	Sun	154
Bar	122	Duct	131					System	062
Basement	021			Kitchen	022	Panic	013		
Bathroom	051	East	132			Partition	090	Temperature	158
Battery	053	Eight	077	Laundry	140	Patio	149	Third	159
Bed	092	Eighth	221	Left	027	Phone	061	Three	072
Bedroom	015	Equipment	133	Library	141	Power	063	Tool	213
Blower	123	Exit	004	Light	019	Pump	166	Two	071
Boiler	124			Living	030				
Bright	162	Factory	134	Loading	142	Rear	088	Up	025
Building	125	Father's	211	Lower	094	Right	028	Upper	187
Burglary	039	Fence	135			Room	018	Upstairs	183
		Fifth	218	Machine	143			Utility	185
Call	009	Fire	040	Master	144	's	007		
Central	089	First	136	Medical	014	Second	056	West	215
Chime	054	Five	074	Mother's	212	Service	150	Window	017
Closed	126	Floor	029	Motion	145	Seven	076	Wing	216
Computer	127	Four	073			Seventh	220		
Console	066	Fourth	217	Nine	078	Shed	151	Zero	069
		Foyer	137	Ninth	222	Shop	152	Zone	002

Custom Word Substitutes for VIP Module Annunciation

A substitute word can be programmed for each of the 60 custom words used in your alpha zone descriptions. The VIP Module will announce 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," since 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.

CUSTOM INDEX ? 1=YES 0=NO 0	Enter **1** at this prompt.
CUSTOM WORD NO. 00=QUIT	Enter the custom word number (**01-60**) 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 found in the *Relay Voice Descriptors* part of this section. Press [✶] to accept entry. The "CUSTOM WORD NO." prompt will be displayed. Enter the next custom word number to be substituted or enter **00** to quit.

System Layout Worksheets

As with any security system, you should first define the installation. This includes determining how many partitions will be used, how many zones per partition, and how many users per partition. You will also need to determine what peripheral devices will be needed, and basic system options such as exit/entry delays, etc. The control panel itself should be located in an area that will facilitate wire runs to all partitions, and will allow access to power and telephone circuits.

To help you lay out a partitioned system, use the following worksheet. 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 (15-225 seconds):								
Exit Delay #1 (15-225 seconds):								
Entry Delay #2 (15-225 seconds):								
Exit Delay #2 (15-225 seconds):								
Quick Arming								
Multiple Alarms per Arming								
Console Panic for zone 995 (* + 1)								
Console Panic for zone 996 (# + 3)								
Console Panic for zone 999 (* + #)								
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)								
Årms Lobby (check partitions that apply)								
Displays Fire Alarms of Other Partitions								
Displays Burg & Panic Alarms of Other Partitions								
Displays Troubles of Other Partitions								

*Can be any zone 001-128.
**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	

*Note: Must be 1200 if using pager interface

EVENT LOG TYPES		
Option	**No**	**Yes**
Alarm		
Trouble		
Bypass		
Open/Close		
System		
Test		

DEVICES (keypads, 4204, rf receivers, vip module, lrr, vgm, TeleSmart)													
Device Add	**Type**	**Home Part**	**Sound Opt**	**Supv CF?**	**Kypd Glbal**	**AUI**	**Device Add**	**Type**	**Home Part**	**Sound Opt**	**Supv CF?**	**Kypd Glbal**	**AUI**
00							16						
01							17						
02							18						
03							19						
04							20						
05							21						
06							22						
07							23						
08							24						
09							25						
10							26						
11							27						
12							28						
13							29						
14							30						
15							31						

Device Types:

00 = Device Not Used
01 = Alpha Console
03 = RF Receiver
04 = Output Relay Module
05 = Voice Module
06 = Long Range Radio
08 = Fire Display Module
09 = Vista Gateway Module
11 = TeleSmart

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

Address 08 must be used for TeleSmart, if used. If using TeleSmart, program address 07 as an alpha console, but do not connect a console with that address.

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

Defaults:

Addresses 00 = Alpha Keypad; No Suppression
Addresses 01 = AUI, Keypad Global enabled

ACCESS CODES & USER DEFINITIONS FOR PARTITIONS 1-3													
4-digit Security Code	Access Group 0; 1-8	Partition 1				Partition 2				Partition 3			
		2-Digit User #	Global Arm?	Auth. Level	Open/ Close	2-Digit User #	Global Arm?	Auth. level	Open/ Close	2-Digit User #	Global Arm?	Auth. Level	Open/ Close

ACCESS CODES & USER DEFINITIONS FOR PARTITIONS 4-6													
4-digit Security Code	Access Group 0; 1-8	Partition 4				Partition 5				Partition 6			
		2-Digit User #	Global Arm?	Auth. Level	Open/ Close	2-Digit User #	Global Arm?	Auth. Level	Open/ Close	2-Digit User #	Global Arm?	Auth. Level	Open/ Close

ACCESS CODES & USER DEFINITIONS FOR PARTITIONS 7-8										
4-digit Security Code	Access Group 0; 1-8	Partition 7				Partition 8				
		2-Digit User #	Global Arm?	Auth. Level	Open/ Close	2-Digit User #	Global Arm?	Auth. Level	Open/ Close	NOTES:

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 DEFINITIONS FOR ZONES 001-024						
Zone No.	**Zone Type**	**Partition (1-8)**	**Input Type (1-8)**	**Serial # Device Loop**	**Report Code**	**Zone Information (part numbers) & Alpha Descriptor (3 words max.)**
01						
02						
03						
04						
05						
06						
07						
08						
09						
010						
011						
012						
013						
014						
015						
016						
017						
018						
019						
020						
021						
022						
023						
024						

ZONE DEFINTIONS FOR ZONES 025-048						
Zone No.	**Zone Type**	**Partition (1-8)**	**Input Type (1-8)**	**Serial # Device Loop**	**Report Code**	**Zone Information (part numbers) & Alpha Descriptor (3 words max.)**
025						
026						
027						
028						
029						
030						
031						
032						
033						
034						
035						
036						
037						
038						
039						
040						
041						
042						
043						
044						
045						
046						
047						
048						

ZONE DEFINITIONS FOR ZONES 049-072						
Zone No.	**Zone Type**	**Partition (1-8)**	**Input Type (1-8)**	**Serial # Device Loop**	**Report Code**	**Zone Information (part numbers) & Alpha Descriptor (3 words max.)**
049						
050						
051						
052						
053						
054						
055						
056						
057						
058						
059						
060						
061						
062						
063						
064						
065						
066						
067						
068						
069						
070						
071						
072						

ZONE DEFINTION FOR ZONES 073-096						
Zone No.	**Zone Type**	**Partition (1-8)**	**Input Type (1-8)**	**Serial # Device Loop**	**Report Code**	**Zone Information (part numbers) & Alpha Descriptor (3 words max.)**
073						
074						
075						
076						
077						
078						
079						
080						
081						
082						
083						
084						
085						
086						
087						
088						
089						
090						
091						
092						
093						
094						
095						
096						

ZONE DEFINTION FOR ZONES 097-120						
Zone No.	**Zone Type**	**Partition (1-8)**	**Input Type (1-8)**	**Serial # Device Loop**	**Report Code**	**Zone Information (part numbers) & Alpha Descriptor (3 words max.)**
097						
098						
099						
100						
101						
102						
103						
104						
105						
106						
107						
108						
109						
110						
111						
112						
113						
114						
115						
116						
117						
118						
119						
120						

ZONE DEFINTION FOR ZONES 121-128						
Zone No.	**Zone Type**	**Partition (1-8)**	**Input Type (1-8)**	**Serial # Device Loop**	**Report Code**	**Zone Information (part numbers) & Alpha Descriptor (3 words max.)**
121						
122						
123						
124						
125						
126						
127						
128						

ZONE DEFINITIONS FOR KEYPAD PANIC ZONES 995, 996, & 999											
		Enter yes/no for each partition-field *22									
Zone No.	**Zone Type**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**Report Code**	**Zone Information (part numbers) & Alpha Descriptor (3 words max.)**
995											
996											
999											

ZONE DEFINITIONS FOR SYSTEM ZONES; 970, 988; 990 & 997			
Zone No.	**Zone Type**	**Report Code**	**Zone Information (part numbers) & Alpha Descriptor (3 words max.)**
970			
988			
990			
997			

ZONE DEFINITIONS FOR RELAY SUPERVISORY ZONES 601-632							
Zone No.	**Zone Type**	**Report Code**	**Zone Information (part numbers) & Alpha Descriptor (3 words max.)**	**Zone No.**	**Zone Type**	**Report Code**	**Zone Information (part numbers) & Alpha Descriptor (3 words max.)**
601				617			
602				618			
603				619			
604				620			
605				621			
606				622			
607				623			
608				624			
609				625			
610				626			
611				627			
612				628			
613				629			
614				630			
615				631			
616				632			

ZONE DEFINITIONS FOR SUPERVISORY OF ECP DEVICE ZONES 800-831							
Zone No.	**Zone Type**	**Report Code**	**Zone Information (part numbers) & Alpha Descriptor (3 words max.)**	**Zone No.**	**Zone Type**	**Report Code**	**Zone Information (part numbers) & Alpha Descriptor (3 words max.)**
800				816			
801				817			
802				818			
803				819			
804				820			
805				821			
806				822			
807				823			
808				824			
809				825			
810				826			
811				827			
812				828			
813				829			
814				830			
815				831			

Zone Types:

00=zone not used	06=24 hour silent	21=arm away
01=entry/exit 1	07=24 hour audible	22=disarm
02=entry/exit 2	08=24 hour auxiliary	23=no alarm response
03=perimeter	09=supervised fire	27=access control
04=interior (follower)	10=interior (delay)	28=MLB supervision
05=day/night burglary	20=arm stay	29=momentary on exit

Input Types:

00=not used	08=right loop dip switch polling loop
01=hardwired	09=keypad input
03=supervised RF transmitter	10=PassPoint ACS input
04=unsupervised RF transmitter	11=VistaKey door status monitor
05=RF button transmitter	12=VistaKey request to exit
06=serial number polling loop	13=VistaKey general purpose
07=dip switch type polling loop	

Output Devices Worksheets

Applicable only if Relays (4204/4204CF), FSA Modules, V-Plex Relays (4101SN) or Powerline Carrier Devices (X-10) are used.

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 in the installation instructions as you enter the data during the displays and prompts that appear in sequence.

Notes: 1. For 4204/4204CF and FSA, the Device Programming section must be programmed for the device address. Set the dip switches on the device for that address.

2. For Powerline Carrier Devices (X-10) use the 4300 transformer in place of the transformer that comes in the box with the control panel.

OUTPUT DEV #	A	START					STOP			Output Group	Restrict	0=V-Plex 1=4204 2=X-10 3=FSA	V-Plex Zone # or Dev Add 4204 or FSA or House Code for X-10	Relay # for 4204 or LED # for FSA or Unit Code for X-10
		EV/ZL		Zone	ZT / P		ZL	ZT / P						
1														
2														
3														
4														
5														
6														
7														
8														
9														
10														
11														
12														
13														
14														
15														
16														
17														
18														
19														
20														

OUTPUT DEVICES WORKSHEET (cont'd)

OUTPUT DEV #	A	START					STOP			Output Group	Restrict	0=V-Plex 1=4204 2=X-10 3=FSA	V-Plex Zone # or Dev Add 4204 or FSA or House Code for X-10	Relay # for 4204 or LED # for FSA or Unit Code for X-10
		EV/ZL		Zone	ZT / P		ZL	ZT / P						
21														
22														
23														
24														
25														
26														
27														
28														
29														
30														
31														
32														
33														
34														
35														
36														
37														
38														
39														
40														
41														
42														
43														
44														
45														

OUTPUT DEVICES WORKSHEET (cont'd)

OUTPUT DEV #	A	START					STOP			Output Group	Restrict	0=V-Plex 1=4204 2=X-10 3=FSA	V-Plex Zone # or Dev Add 4204 or FSA or House Code for X-10	Relay # for 4204 or LED # for FSA or Unit Code for X-10
		EV/ZL		Zone	ZT / P		ZL	ZT / P						
46														
47														
48														
49														
50														
51														
52														
53														
54														
55														
56														
57														
58														
59														
61														
62														
63														
64														
65														
66														
67														
68														
69														
70														
71														

OUTPUT DEVICES WORKSHEET (cont'd)

OUTPUT DEV #	A	START					STOP			Output Group	Restrict	0=V-Plex 1=4204 2=X-10 3=FSA	V-Plex Zone # or Dev Add 4204 or FSA or House Code for X-10	Relay # for 4204 or LED # for FSA or Unit Code for X-10
		EV/ZL		Zone	ZT / P		ZL	ZT / P						
72														
73														
74														
75														
76														
77														
78														
79														
80														
81														
82														
83														
84														
85														
86														
87														
88														
89														
90														
91														
92														
93														
94														
95														
96														

A = DEVICE ACTION 0 = No Response; 1 = Close for 2 sec; 2 = Close and stay closed; 3 = Pulse on and off; 4 = Toggle alternately between START and STOP events.

EV = EVENT 0 = Not used; 1 = Alarm; 2 = Fault; 3 = Trouble; 4 = Restore

ZL = ZONE LIST 1-15, 0 = Not Used.

"START" ZONE LIST: Upon alarm, fault, or trouble 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.

ZL = ZONE NUMBER 001-128, 000 = Not Used.

ZT = ZONE TYPE/SYSTEM OPERATION

Choices for Zone Types are:

00=zone not used	06=24 hour silent	21=arm away
01=entry/exit 1	07=24 hour audible	22=disarm
02=entry/exit 2	08=24 hour auxiliary	23=no alarm response
03=perimeter	09=supervised fire	27=access control
04=interior (follower)	10=interior (delay)	28=MLB supervision
05=day/night burglary	20=arm stay	29=momentary on exit

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

Choices for System Operation are:

00 = No Response (Not Used)	27 = Access Point (allows more than one relay to be controlled by activation if access point request)	40 = Bypassing
01 = Entry/Exit #1		41 = AC Power Fail
02 = Entry/Exit #2		42 = System Battery Low
03 = Perimeter		43 = Communication failure
04 = Interior Follower	28 = MLB Supervision	44 = RF Low Battery
05 = Trouble Day/Alarm Night	29 = Momentary on Exit***	45 = Polling Loop Failure
06 = 24-Hr. Silent	31 = End of Exit Time	47 = Console Failure
07 = 24-Hr. Audible	32 = Start of Entry Time	51 = RF Receiver Failure
08 = 24-Hr. Auxiliary	33 = Any Burglary Alarm	52 = Kissoff
09 = Fire Alarm or Trouble	34 = Code + [#] + 71 Key Entry	54 = Fire Zone Reset
10 = Interior W/Delay	35 = Code + [#] + 72 Key Entry	55 = Disarm + 1 Minute
20 = Arming-STAY	36 = At Bell Timeout **	56 = XX Minutes (enter XX in field 1*74) *
21 = Arming-AWAY	37 = 2 Times Bell Timeout **	57 = YY Seconds (enter YY in field 1*75) *
22 = Disarming ([Code] + Off)	38 = Chime	58 = Duress
23 = No Alarm Response	39 = Fire Alarm	60 = Audio Alarm Verification (must be selected for both START and STOP operation)

* Stop condition only

** Or at Disarming, whichever occurs earlier

*** Used with VistaKey door access modules,

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 in the installation instructions as you enter the data during the displays and prompts that appear in sequence.

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

Zone List 1: Started or stopped by zone numbers (enter 000 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 000 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).

Zone List 9: Started or stopped by zone numbers (enter 000 to end entries).

Zone List 10: Started or stopped by zone numbers (enter 000 to end entries).

Zone List 11: Started or stopped by zone numbers (enter 000 to end entries).

Zone List 12: Started or stopped by zone numbers (enter 000 to end entries).

Zone List 13: Started or stopped by zone numbers (enter 000 to end entries).

Zone List 14: Started or stopped by zone numbers (enter 000 to end entries).

Zone List 15: 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:

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).

Since 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 actions programmed during the #93 Menu Mode–Output Programming mode. **If using Time Driven Events to control outputs, the following menu items must first be programmed using #93 Menu Mode - Output Programming:**

Enter Output No.	(reference identification number)
Output Group	(if applicable)
Restriction	
Output Type	(V-Plex, 4204/4204CF, FSA, or X-10)
Zone No.	(V-Plex)
ECP Address	(4204/4204CF or FSA)
Relay No.	(4204/4204CF)
LED No.	(FSA)
House Code	(X-10)
Unit Code	(X-10)

Relay commands:

Action Specifier for commands 01-05 is Relay #, for commands 06-10 is Relay Group #.

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), for 42 is Access Group, and for 50 no specifier is programmed. Activation time 3 (During) is the only valid choice for these commands.

40 = Enable Opening Window
41 = Enable Closing Window
42 = Enable Access Window
50 = Off-Normal Reminder (Starts local keypad beeping if fire off-normal condition exists)

Access Control Commands (to be used with VistaKey modules only)

Action Specifier for commands 55-60 is Access Point, for 61-66 is Group, for 67-72 is Partition, and for 73-74 is Trigger.

55 = Access Point Grant
56 = Access Point Grant with Override
57 = Access Point Protect
58 = Access Point Bypass
59 = Access Point Lock
60 = Access Point Exit
61 = Access Point Group Grant
62 = Access Point Group Grant with Override
63 = Access Point Group Protect
64 = Access Point Group Bypass
65 = Access Point Group Lock
66 = Access Point Group Exit
67 = Access Point Partition Grant
68 = Access Point Partition Grant with Override
69 = Access Point Protect by Partition
70 = Access Point Bypass by Partition
71 = Access Point Lock by Partition
72 = Access Point Exit by Partition
73 = Access Point Trigger On
74 = Access Point Trigger Off

Additional Commands

Action Specifier for command 75 is Macro, for 76 is Script, for 77-78 is Group, and for 79 no specifier is programmed.

75 = Run Macro
76 = Run Script
77 = Access Point Group Enable
78 = Access Point Group Disable

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 (ex. -Coffee break buzzer).

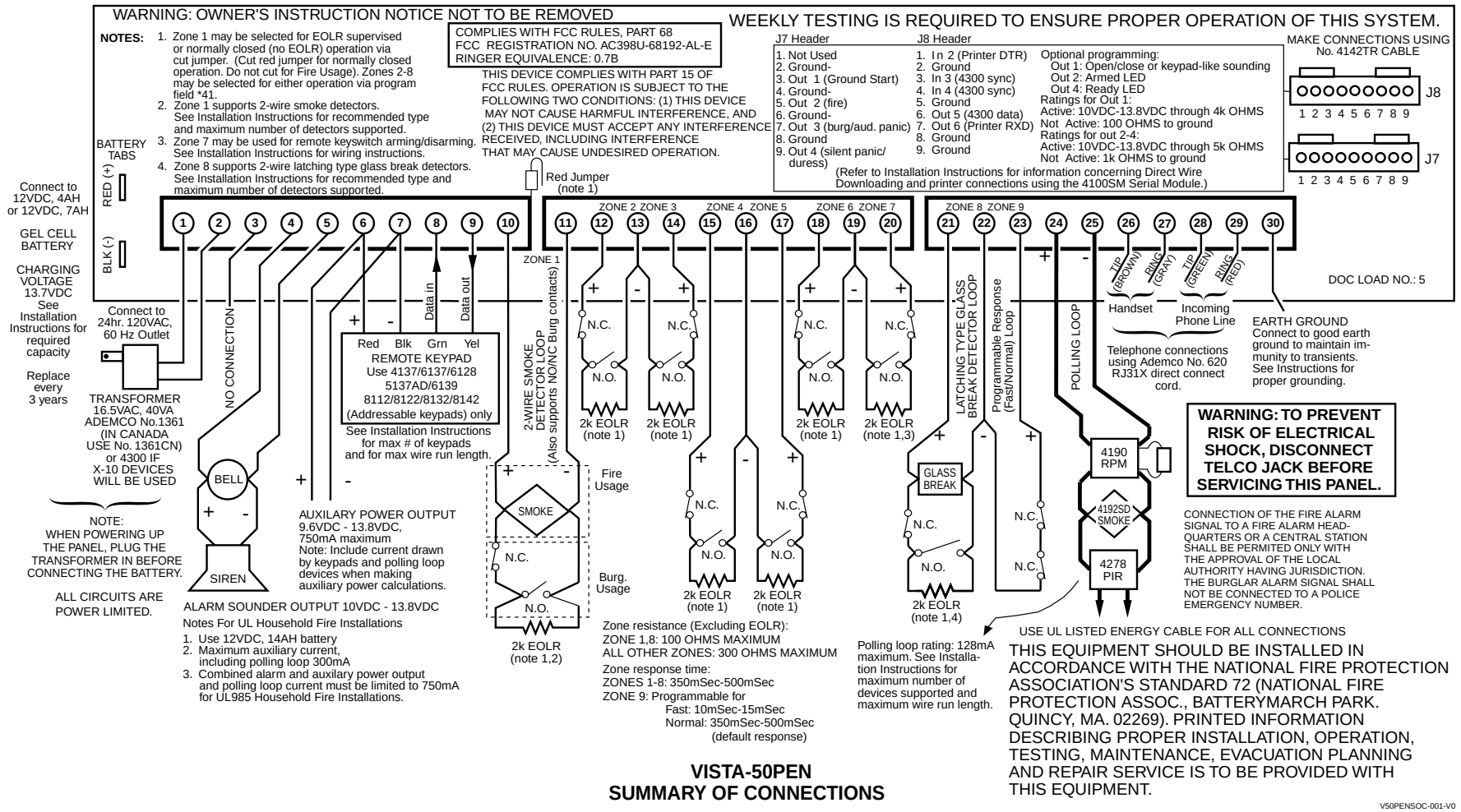
Limitation of Access Worksheet The system provides up to 8 Access Schedules that can be programmed for the system. Fill in the required data on the worksheet below and follow the procedure in the installation instructions as you enter the data during the displays and prompts that appear in sequence.

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							

Partition/Windows		Mon	Tue	Wed	Thu	Fri	Sat	Sun
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							
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-50PEN
SUMMARY OF CONNECTIONS

165 Eileen Way, Syosset, NY, 11791

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