Honeywell

VISTA-128BPT/VISTA-250BPT/ VISTA-128BPTSIA

Commercial Burglary Partitioned Security System With Scheduling

Programming Guide

800-06904V2 1/13 Rev A

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SIA CP-01 Quick Reference Chart

The minimum required system for SIA CP-01 is a VISTA-128BPTSIA Control, one of the following model keypad; 6160, TUXS, TUXW, 6280S, or 6280W and a UL Listed Bell.

Item	Feature	Range	Shipping Default	SIA Requirement*
∗09	Entry Delay # 1	02 – 15 multiplied by 15 seconds 00 = 240 sec (4 minutes)	30 Seconds`	At least 30 Seconds **
∗10	Exit Delay #1	03 – 15 multiplied by 15 seconds	60 Seconds	60 Seconds
∗11	Entry Delay # 2	02 – 15 multiplied by 15 seconds 00 = 240 sec (4 minutes)	30 Seconds	At least 30 Seconds **
∗12	Exit Delay #2	03 – 15 multiplied by 15 seconds	60 Seconds	60 Seconds
∗28	Power Up in Previous State	0 = no 1 = yes	Yes	Yes
∗57	Dynamic Signaling Priority	0 = primary dialer 1 = Communicator as first reporting destination	0 (primary dialer)	0 (primary dialer)
∗84	Swinger Suppression	01-06 = 1-6 alarms	2 alarms	1 alarm
∗88	Abort Window Time (for non-fire zones)	1 = 15 seconds 2 = 30 seconds 3 = 45 seconds	30 Seconds	At least 15 Seconds **
1∗21	Exit Time Reset	0=no 1=Resets Exit Delay to programmed value after zone is closed and then faulted prior to end of exit delay.	1 (Enabled)	1 (Enabled)
1∗22 – 1∗25	Cross Zoning	Zone 001 – 250 000, 000 = Disabled	Disabled	Enabled and two (or more) zones programmed
1∗42	Call Waiting Defeat	0 = no 1 = yes	Disabled (0)	Enabled if user has call waiting
1∗61	Abort Verify	0 = Disable 1 = Enable	Enabled	Enabled

Item	Feature	Range	Shipping Default	SIA Requirement*
Zone Programming Auto Stay Zone, Zone type 04 has this feature enabled by default	Auto Stay Arm or Occupied Premises	0 = Disable 1 = Enable	1 (Enabled)	Enabled
Zone Programming (Abort Window Enable)	Abort Window (for non-fire zones)	0 = no abort window 1 = yes, use abort window according to ∗88 selection	1 = yes	Yes (all non-fire zones)
Zone Programming (Swinger Suppression Enable)	Swinger Suppression Enable	0 = no suppression 1 = yes, suppress alarms according to ∗84 selection	Yes (enabled)	Yes (enabled (all zones))
Zone Programming Tamper Option	Fire Alarm Verification	For Zone Response Type 16 (Fire) tamper selection must be set to "0"	Disabled	Enabled unless sensors can self verify
-	Exit Time and Progress Annunciation/Disable for Remote Arm (Not Evaluated for SIA CP-01)	Always Enabled	Enabled	Enabled
-	Programmable Cross Zoning Time	Both zones must be faulted within 5 minutes	Per Manufacturer	Per walk path in protected premises
-	Cancel Window	5 minutes	Enabled	Not required to be programmable
-	Cancel Annunciation - Keypad displays "Alarm Cancel" when report is received	NA	Enabled	Enabled
User Authority Level 6	Duress Feature	NA	Disabled	Disabled

* Programming at installation may be subordinate to other UL requirements for the intended application.

** Combined Entry Delay and Abort Window should not exceed 1 minute.

NOTES:

- Using the Call Waiting Cancel feature on a non-Call Waiting line will prevent successful communication to the central station.
- The control unit must be installed with a local sounding device and an off-premise transmission for Contact ID communication format.
- Refer to the User Guide for procedures on Testing the System.
- During Test mode, no alarm reports are sent to the central monitoring station.

NOTE: All references to the VISTA-128BPT also pertain to the VISTA-128BPTSIA. All references in this manual for number of zones, number of user codes, number of access cards, and the event log capacity, use the VISTA-250BPT's features. The following table lists the differences between the VISTA-128BPT/VISTA-128BPTSIA and the VISTA-250BPT control panels. All other features are identical.

Feature	VISTA-128BPT/VISTA-128BPTSIA	VISTA-250BPT
Number of Zones	**128**	**250**
Number of User Codes	**150**	**250**
Number of Access Cards	**250**	**500**
Event Log Capacity	**512**	**1000**
VistaKey Modules	**8**	**15**

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-128BPT/VISTA-250BPT 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-128BPT/VISTA-250BPT 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-128BPT/VISTA-250BPT 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 and phone number field entries,** press [∗] + field number + [∗]
- **To assign zone descriptors,** press #93 + follow menu prompts
- **To add custom words,** press #93 + follow menu prompts
- **To enter Installer's Message,** press #93 + follow menu prompts
- **To exit program mode,** enter ∗99 OR ∗98: ∗99 allows re-access to programming mode by installer code. ∗98 prevents re-access to programming mode by installer code.

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

Recommended Programming Procedure

The following is a step-by-step procedure recommended for programming your VISTA-128BPT/VISTA-250BPT/VISTA-128BPTSIA systems.

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 *Program Field Index* for a listing of the program fields and their function. **Note that field 2∗00 (number of partitions) must be programmed before continuing.**
4. **Program partition-specific fields.**
   When the system-wide fields have been programmed, program all partition-specific programming fields by first pressing ∗91 to select a partition (while still in data field program mode). Then enter the first partition-specific field number *09. When you are finished, the next partition-specific field is automatically displayed. Partition-specific fields can have different values for each partition. To program the fields for the next partition, press ∗91, enter the desired partition number, then enter field ∗09. Refer to the *MECHANICS OF PROGRAMMING* section in the *VISTA-128BPT/VISTA-250BPT Installation and Setup Guide* for detailed instructions.
5. **Use #93 Menu Mode for device programming.**
   Refer to *Device Programming* in this guide to assign keypad ID numbers and default partitions for each keypad, and to selectively suppress certain keypad sounding options. Also use this mode to assign RF receivers, relay modules, and the ECP Communications Device.
6. **Use #93 Menu Mode for zone programming.**
   Refer to *Zone Programming* in this guide to program zone response types, assign right loop zones and wireless zones, assign zones to partitions, and to program alarm report codes.
7. **Use #93 Menu Mode for programming outputs.**
   Refer to *Output Programming* in this guide to program desired output operation.
8. **Program Communication options.**
   Refer to *System Communication* section in the *VISTA-128BPT/VISTA-250BPT Installation and Setup Guide* for detailed instructions. Then use #93 menu mode to program report codes.
9. **Use #93 Menu Mode for programming alpha descriptors.**
   Refer to *Alpha Programming* in this guide to enter zone and partition descriptors and a custom installer's message.
10. **Use #93 Menu Mode for relay voice descriptors and custom word substitutes.**
    Refer to *Relay Voice Descriptors* in this guide for further instructions for programming relay descriptors to be annunciated.
11. **Use #80 Mode for programming schedules.**
    Refer to the *Scheduling Menu Prompts* in the *VISTA-128BPT/VISTA-250BPT Installation and Setup Guide* to program open/close schedules, temporary and holiday schedules, limitation of access schedules, and time-driven events.
12. **Define user access codes.**
    Refer to *User Access Codes* in the *VISTA-128BPT/VISTA-250BPT Installation and Setup Guide* to program authority level, O/C reporting option, partition assignments, and RF key assignments for each user.
13. **Exit Programming Mode.**
    Exit programming mode by pressing either ∗98 or ∗99. Additional entries of ∗99 are required if the exit is being done from fields 1∗00 and above.

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

    Exiting by using ∗99 always allows reentry into programming mode using the Installer code. Either way of exiting allows access via downloading. Note that if local programming lockout is set via downloading, programming mode cannot be entered at the keypad. In the event that local programming is required after the lock-out, setting the location in Compass will open a 24-hour window for programming when the Master code + #65-command is entered. The 24-hour window counts down and then locks out local programming until the next Master code + #65-command is entered.

Program Field Index

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

Field	Group
∗00	System-Wide
∗04	System-Wide
∗05	System-Wide
∗06	Partition-Specific
∗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
∗44	Communications

Field	Group
∗45	Communications
∗47	Communications
∗51	Communications
∗56	Communications
∗57	Communications
∗58	Communications
∗59	Communications
∗79	Communications
∗80	Communications
∗83	Communications
∗84	Partition-Specific
∗85	Partition-Specific
∗88	Partition-Specific
∗89	Communications
∗90	Partition-Specific
1∗07	System-Wide
1∗11	System-Wide
1∗15	Communications
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	Partition-Specific
1∗28	System-Wide
1∗29	System-Wide
1∗30	System-Wide
1∗31	System-Wide
1∗34	Communications
1∗35	communications
1∗42	Communications
1∗43	Partition-Specific
1∗44	System-Wide
1∗45	Partition-Specific

Field	Group
1∗46	System-Wide
1∗47	Partition-Specific
1∗48	System-Wide
1∗49	System-Wide
1∗52	Partition-Specific
1∗53	System-Wide
1∗55	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∗74	System-Wide
1∗75	System-Wide
1∗76	Partition-Specific
1∗77	System-Wide
1∗78	System-Wide
1∗79	System-Wide
1∗80	System-Wide
2∗00	System-Wide
2∗01	System-Wide
2∗02	System-Wide
2∗03	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	System-Wide
2∗22	Partition-Specific
2∗23	Partition-Specific
2∗24	Partition-Specific

VISTA-128BPT/VISTA-250BPT Programming Form

Some fields are programmed for each partition (shown as shaded fields). If you are programming a multiple-partition system, see the *Partition-Specific Fields* section for programming these fields. Standard default (∗97) values are shown in brackets [ ]; otherwise, default = 0.

∗00 INSTALLER CODE

Enter 4 digits, 0-9 [4140]

∗04 ENABLE RANDOM TIMERS

1 2 3 4 5 6 7 8

Enter 1 to make available the randomizing of pre-programmed time driven events for each partition. [0=disable].

∗05 SYSTEM EVENTS NOTIFY [0]

1=yes, (messages sent via the RS232 port).
0=no, (no messages sent).
NOTE: While in a communication session with Compass, system events will not operate.

∗06 QUICK EXIT [1]

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

∗09 ENTRY DELAY #1 [02]

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

∗10 EXIT DELAY #1 [04]

00, 02-15 times 15 seconds
Maximum "04" for UL installations.

∗11 ENTRY DELAY #2 [02]

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

∗12 EXIT DELAY #2 [08]

00, 02-15 times 15 seconds (must be longer than Exit Delay #1). Maximum "04" for UL installations.

∗13 ALARM SOUNDER DURATION [04]

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

∗14 RS232 INPUT [0]

Enter **1** to enable.
Enter **0** to disable.

∗15 KEYSWITCH ASSIGNMENT [0]

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

∗16 CONFIRMATION OF ARMING DING [0]

1=enable; 0=disable.
NOTE: If using a keyfob, when the button is pressed, either for arming or disarming, the bell will ding indicating that the button is working.
Must be "1" for UL Installations.

∗17 AC LOSS KEYPAD SOUNDING [0]

1=yes; 0=no

∗19 RANDOMIZE AC LOSS REPORT [0]

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

∗20 VIP MODULE PHONE CODE

Not Used [00], [11]

Must be set to "00" for UL installations.

∗21 PREVENT FIRE TIMEOUT [0]

1=No timeout; 0=Timeout.

∗22 KEYPAD PANIC ENABLES [001]

1=enable; 0=disable 995 996 999

∗23 MULTIPLE ALARMS [1]

1=yes; 0=no
Must be 1 for UL installations.
(Option not displayed in SIA, always enabled.)

∗24 IGNORE EXPANSION ZONE TAMPER [0]

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

∗26 INTELLIGENT TEST REPORTING [0]

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

∗27 TEST REPORT INTERVAL [0024]

Enter interval in hours, 0001-9999; 0000=no report;
Max. 0024 for UL installations.

∗28 POWER UP IN PREVIOUS STATE [1]

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

∗29 QUICK ARM [1]

1=yes; 0=no

∗30 PHONE LINECUT DETECT [0]

1=enable; 0=disable

∗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 15 15 15 15 15 15]

∗33 PRIMARY PHONE NUMBER

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

∗34 SECONDARY PHONE NUMBER

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

∗35 DOWNLOAD PHONE NO.

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

∗36 DOWNLOAD ID NO.

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

∗37 DOWNLOAD COMMAND ENABLES

0

Dlr ShtdwnSys ShtdwnNot UsedRmt BypRmt DisarmRmt ArmUpld PgmDwnld Pgm

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

∗38 PREVENT ZONE XXX BYPASS [000]

001-250; 000 if all zones can be bypassed

∗39 ENABLE OPEN/CLOSE REPORT FOR INSTALLER CODE [1] 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 installations.

∗42 DIAL TONE PAUSE [0]

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

∗44 RING DETECTION COUNT [00]

01-14; 15=answering machine; 00=no detection.
Must be "00" for UL Burglary.

∗45 PRIMARY FORMAT [1]

1 = Contact ID; 2 = 10-Digit Contact ID;
3 = 4+2 Express

∗47 SECONDARY FORMAT [1]

1 = Contact ID; 2 = 10-Digit Contact ID;
3 = 4+2 Express

∗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.

∗56 DYNAMIC SIGNALING DELAY [03]

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] Alarm Trbl Byp O/C Syst Test

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] Alarm Trbl Byp O/C Syst Test

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

∗79 ZONE TYPE RESTORE ENABLES FOR ZONE TYPES 1-8

1 2 3 4 5 6 7 8

[1=enable]; 0=disable

∗80 FOR TYPES 9, 10, 16, and 14

9 10 16 14

[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 [01]

01-14 alarms
Must be "00" (disabled) for UL.
NOTE: For SIA only options 01through 06 are available.

∗85 ENABLE DIALER REPORTS FOR PANICS & DURESS

1=enable; [0=disable]

995 996 999 Duress

∗88 ABORT WINDOW [1]

1=30 seconds; 0=no delay
Must be "0" for UL installations.

∗89 RESTORE REPORT TIMING [0]

0=Instant; 1=After bell timeout if zone is restored; 2=when system is disarmed. Must be "0" for UL installations.

∗90 SEC. SUBS. ACCT #

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

1∗07 CHECK OR TRBL DISPLAY [0]

1=display TRBL; 0=display CHECK

1∗11 ZONE BYPASS AFTER DISARM

[00000000] ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

1 2 3 4 5 6 7 8

1=enable; 0=disable

For each partition enter 1 to enable zones to remain bypassed after the partition is disarmed.

NOTES:

For each partition in which field 1∗11 is enabled, the **USER CODE + OFF** will no longer unbypass zones. To unbypass ALL zones, you must enter **USER CODE + # + 64.** To unbypass zones INDIVIDUALLY, you must enter **USER CODE + 6 + zone number**.

Any zone that was automatically bypassed by the system will be unbypassed upon disarming of the system (e.g., STAY mode, Auto-STAY, etc.).

Vent zones and zones bypassed by a programmed Auto-Bypass schedule (Timed Driven Event) are considered "manual bypasses" and will not be unbypassed upon disarming the system.

Zones that were in a bypassed state at the time a System Shutdown is sent from the Compass Downloading software will be unbypassed when the System Shutdown is removed.

1∗15 CANCEL VERIFY [1] ☐

0=disable, 1=enable alarm output pulse upon kissoff of Cancel report. **NOTE:** Field 1∗52 must be enabled to send a Cancel report to the central station.

1∗17 LOBBY PARTITION [0] ☐

Enter the "common lobby" partition (1-8)

1∗18 AFFECTS LOBBY [0] ☐

Enter 1 if this partition affects the common lobby; enter 0 if it does not.
Must be "0" for UL installations.

1∗19 ARMS LOBBY [0] ☐

Enter 1 if arming this partition attempts to arm lobby; enter 0 if it does not.
Must be "0" for UL installations.

1∗20 EXIT ERROR LOGIC ENABLE [1] ☐

0=No; 1=Bypass E/E and Interior zones faulted after exit delay.
Must be "0" for UL installations.
(Option not displayed in SIA, always enabled.)

1∗21 EXIT DELAY RESET [1] ☐

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

FIELDS 1∗22-1∗25: Allow four sets of two zones each to be linked so that both must fault within a 5-minute period to cause an alarm. Default for these fields = [000], [000].

1∗22 CROSS-ZONING PAIR ONE ☐☐☐ ☐☐☐

1∗23 CROSS-ZONING PAIR TWO ☐☐☐ ☐☐☐

1∗24 CROSS-ZONING PAIR THREE ☐☐☐ ☐☐☐

1∗25 CROSS-ZONING PAIR FOUR ☐☐☐ ☐☐☐

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 UL installations.

1∗28 RF TX LOW BATTERY SOUND [0] ☐

1=immediate; 0=when disarmed

1∗29 RF TX LOW BATTERY REPORTING [0] ☐

1=enable; 0=disable

1∗30 RF RCVR CHECK-IN INTERVAL [06] ☐☐

02-15 times 2 hours; 00 disables supervision

1∗31 RF XMITTER CHECK-IN INTERVAL [12] ☐☐

02-15 times 2 hours; 00 disables transmitter supervision

1∗34 COMM. SPLIT REPORTING [0] ☐

0=no; 1=alarms and alarm restores primary, others secondary; 2=open/close, test secondary, others primary. See ∗51 for comments if using with dual reporting.
NOTE: Split reporting should not be used with Dynamic Signaling.

1∗35 ACCESS CONTROL DIALER ENABLES

[0 0 0 0 0 0] ☐ ☐ ☐ ☐ ☐ ☐

Trace Trbl Byp 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.
NOTE: This field affects only standard keypads, not graphic/touch-screen keypads.

1∗44 WIRELESS KEYPAD TAMPER DETECTION [0] ☐

1=enable; 0=disable.

1∗45 EXIT DELAY SOUNDING [1] ☐

1=enable; 0=disable; Produces quick beeping during exit delay if enabled.
NOTE: Must be "1" for UL/ULC installations.
NOTE: See page 30, "SOUND OPTION", prompt for disabling the entry/exit beeps on individual keypads.
(Option not displayed in SIA, always enabled.)

1∗46 AUXILIARY OUTPUT MODE [0] ☐

Enter **0** Not Used.
Enter **1** for smoke detector reset.
Enter **2** Not Used.
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 EXT. SIREN [0] ☐

1=enable; 0=disable

1∗48 WIRELESS KEYPAD ASSIGNMENT [0] ☐

0=disable; enter partition in which RF keypad used, 1-8.
Must be "0" for UL installations.

1∗49 SUPPRESS TX SUPERVISION SOUND [1] ☐

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

1∗52 SEND CANCEL IF ALARM + OFF [1] ☐

1=no restriction; 0=within bell timeout period only
NOTE: Must be enabled "1" for an AAV session.

1∗53 DOWNLOAD CALLBACK [0] ☐

1=callback not required; 0=callback required.
Must be "0" for UL installations.

1∗55 INTERNATIONAL DATE FORMAT [0] ☐

0=disable (mm/dd/yy); 1=enable (dd/mm/yy).

1∗56 AC 60/50 Hz CLOCK SPEED [0] ☐

1=50 Hz; 0=60 Hz.

1∗57 5800 RF BUTTON GLOBAL ARM [0] ☐

1=enable; 0=disable

1∗58 5800 RF BUTTON FORCE ARM [0] ☐

Enter "1" to enable. If a zone is faulted after pressing button, keypad will beep once. Pressing the button again within 4 seconds bypasses the zone. Enter "0" to disable.
Must be "0" for UL installations.

1∗60 ZONE 5 AUDIO ALARM VERIFICATION [0] ☐

Enter 1 If 2-way audio (AAV) is being used; Enter 0 if it is not.
Must be "0" for UL installations.

1∗70 EVENT LOG TYPES

[1 111 1] ☐ ☐ ☐ ☐ ☐
Alarm Chk Byp O/C Syst

1=enable; 0=disable

1∗71 12/24 HOUR TIME STAMP FORMAT [0] ☐

0=12 hour; 1=24 hour

1∗72 EVENT LOG PRINTER ON-LINE [0] ☐

0=disable; 1=enable

1∗74 RELAY TIMEOUT XXX 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 YYY 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 [00] ☐☐

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

1∗77 LOG FIRST MAINTENANCE SIGNAL [0] ☐

0=No Log; 1=Log first maintenance signal from each smoke detector.

1∗78 EXTENDED HOME CONT ENABLE [1] ☐

0=Limited home control command set (32 commands).
1=Extended home control command set (255 commands).
Home Control Automation is not allowed in UL installations.

1∗79 HOME CONTROL EVENTS

[0 0 0 0 0] ☐ ☐ ☐ ☐ ☐
Alarm Trbl Byp O/C Syst

1=enable; 0=disable. Select the type of events (status reports) transmitted via the RS232 output.

1∗80 LOG FAULTS AND RESTORES [1] ☐

0=Disabled
1=Enabled

3rd Page Programming Fields (press ∗94)

2∗00 NUMBER OF PARTITIONS [1] ☐

Enter 1-8

2∗01 DAYLIGHT SAVING TIME [03, 11] ☐☐ ☐☐

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

2∗02 DAYLIGHT SAVING TIME [2, 1] ☐☐

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

2∗03 ULC S304 ENABLE [0] ☐

0 = disable, 1 = enable

ULC The ULC S304 Enable must be set to "1" (enabled) for ULC installations.

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 ARMING/DISARMING WINDOWS [0] ☐
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 [1] ☐
1=Allow log-on from other partitions; 0=disable

2∗19 USE PARTITION DESCRIPTORS [0] ☐
0=disable; 1=enable

2∗22 DISPLAY FIRE ALARMS OF OTHER PARTITIONS [0] ☐
0=No; 1=Yes.

2∗23 DISPLAY BURG, PANIC AND CO 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 and phone number field entries** press [∗] + field number + [∗]
- **To assign zone descriptors** press #93 + follow menu prompts
- **To add custom words** press #93 + follow menu prompts
- **To enter Installer's Message** press #93 + follow menu prompts
- **To exit program mode,** enter ∗99 OR ∗98: ∗99 allows re-access to programming mode by installer code. ∗98 prevents re-access to programming mode by installer code. Note that if local programming lockout is set via downloading, programming mode cannot be entered at the keypad. In the event that local programming is required after the lock-out, setting the location in Compass will open a 24-hour window for programming when the Master code + #65-command is entered. The 24-hour window counts down and then locks out local programming until the next Master code + #65-command is entered.

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

∗06 QUICK EXIT [1] ☐

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

∗09 ENTRY DELAY #1 [02] ☐☐

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

∗10 EXIT DELAY #1 [04] ☐☐

00, 02-15 times 15 seconds.
Maximum 04 for UL Listed installations.

∗11 ENTRY DELAY #2 [02] ☐☐

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

∗12 EXIT DELAY #2 [08] ☐☐

00, 02-15 times 15 seconds.
Maximum 04 for UL installations.

∗13 ALARM SOUNDER DURATION [04] ☐☐

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

∗16 CONFIRMATION OF ARMING DING [0] ☐

1=enable; 0=disable.
NOTE: If using a keyfob, when the button is pressed, either for arming or disarming, the bell will ding indicating that the button is working.
Must be "1" for UL installations.

∗22 KEYPAD PANIC ENABLES [111] ☐ ☐ ☐

1=enable; 0=disable 995 996 999

∗23 MULTIPLE ALARMS [1] ☐

1=yes; 0=no.
Must be 1 for UL installations.
(Option not displayed in SIA, always enabled.)

∗29 QUICK ARM [1] ☐

1=yes; 0=no

∗32 PRIM. SUBS. ACCT #

☐☐ ☐☐ ☐☐ ☐☐ ☐☐ ☐☐ ☐☐ ☐☐

☐☐ ☐☐

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

∗38 PREVENT ZONE XXX BYPASS [000] ☐☐☐

001-250; 000 if all zones can be bypassed

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

∗84 SWINGER SUPPRESSION [01] ☐☐

01-14 alarms;
Must be "00" (disabled) for UL installations.
NOTE: For SIA only options 01 through 06 are available.

∗85 ENABLE DIALER REPORTS FOR PANICS & DURESS

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

∗88 BURG. ALARM COMM. DELAY [1] ☐

1=30 seconds; 0=no delay.
Must be "0" for UL installations.

∗90 SEC. SUBS. ACCT #

☐☐ ☐☐ ☐☐ ☐☐ ☐☐ ☐☐ ☐☐ ☐☐

☐☐ ☐☐

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

2nd Page Fields

1∗18 AFFECTS LOBBY [0] ☐

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

1∗19 ARMS LOBBY [0] ☐

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

1∗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 the display lights when any key is pressed, and turns off after period of keypad inactivity.
NOTE: This field affects only standard keypads, not graphic/touch-screen keypads.

1∗45 EXIT DELAY SOUNDING [1] ☐

1=enable; 0=disable; Produces quick beeping during exit delay if enabled.
NOTE: Must be "1" for UL/ULC installations.
NOTE: See page 32, "SOUND OPTION", prompt for disabling the entry/exit beeps on individual keypads. (Option not displayed in SIA, always enabled.)

1∗47 CHIME ON EXT. SIREN [0] ☐

1=enable; 0=disable

1∗52 SEND CANCEL IF ALARM + OFF [1] ☐

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

1∗76 ACCESS CONTROL RELAY FOR PART.[00] ☐☐

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

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 re-enters the premises to retrieve a forgotten item.

2∗10 ALLOW DISARMING ONLY DURING [0] ☐
ARMING/DISARMING WINDOWS

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

2∗18 ENABLE GOTO FOR THIS PARTITION [1] ☐

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

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

0=No; 1=Yes

2∗23 DISPLAY BURG, PANIC AND CO ALARMS [0] ☐
OF OTHER PARTITIONS

0=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 and phone number field entries,** press [∗] + field number + [∗]
- **To assign zone descriptors,** press #93 + follow menu prompts
- **To add custom words,** press #93 + follow menu prompts
- **To enter Installer's Message,** press #93 + follow menu prompts
- **To exit program mode,** enter ∗99 OR ∗98: ∗99 allows re-access to programming mode by installer code. ∗98 prevents re-access to programming mode by installer code. Note that if local programming lockout is set via downloading, programming mode cannot be entered at the keypad. In the event that local programming is required after the lock-out, setting the location in Compass will open a 24-hour window for programming when the Master code + #65-command is entered. The 24-hour window counts down and then locks out local programming until the next Master code + #65-command is entered.

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.
NOTE: All references in this manual for number of zones, number of user codes, number of access cards, and the event log capacity, use the VISTA-250BPT's features. See page 4 of this manual for the table listing the differences between the VISTA-128BPT and the VISTA-250BPT control panels.

UL For UL installations, verify that the audio alarm verification feature is 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:

PROMPT	EXPLANATION
ZONE PROG? 1 = YES 0 = NO 0	For programming the following: • Zone Number • Zone Response Type • Partition Number for Zone • Dialer report code for zone • Input Device Type for zone (whether RF, polling loop, etc.) • Enrolling serial numbers of 5800 Series transmitters & serial polling loop devices into the system. • Zone Attributes (e.g., Arm w/Fault, Silent, etc.)
EXPERT MODE? 1 = YES 0 = NO 0	Same as Zone Programming except: • Done with a minimum number of keystrokes. • Can program wireless keys using pre-defined templates. **NOTE:** Some of the zone attributes cannot be programmed in the Expert Mode, only in Zone Programming.
REPORT CODE PROG? 1 = YES 0 = NO 0	For programming the following: • Alarm report codes for zones • Restore & supervisory codes • All other system report codes
ALPHA PROG? 1 = YES 0 = NO 0	For entering alpha descriptors for the following: • Zone Descriptors • Installer's Message • Custom Words • Partition Descriptors • Relay Descriptors
DEVICE PROG? 1 = YES 0 = NO 0	For defining the following device characteristics for addressable devices, including keypads, RF receivers (5881), output relay modules 4204, and ECP Communications Device (7845i-ent). • Device Address • Device Type • Keypad Options (incl. partition assignment) • RF House ID • LRR Options (incl. programming communications device)

PROMPT	EXPLANATION
OUTPUT PGM? 1 = YES 0 = NO 0	For defining output relay functions.
RLY VOICE DESCR? 1 = YES 0 = NO 0	Not Used.
CUSTOM INDEX ? 1 = YES 0 = NO 0	Not Used.
ACCESS POINT PGM 1 = YES 0 = NO 0	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 0	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 0	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

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

PROMPT	EXPLANATION
ZONE PROG? 1 = YES 0 = NO 0	Press **1** to enter ZONE PROGRAMMING mode. The following screens appear. Press [∗] to display the next screen. Press # to display a previous screen.
SET TO CONFIRM? 1 = YES 0 = NO 0	This prompt appears once upon entering Zone Programming Mode. If "Yes," Confirmation prompts will be displayed after the device's Serial and Loop numbers have been entered later.
ENTER ZONE NO. 000 = QUIT 010 Zone 010 entered ↑	Enter the 3-digit zone number to be programmed, as follows: Protection Zones = 001–250 Relay Zones = 601–632 ECP Device Supervisory Zones = 800–830 System Supervisory Zones = 970 (bell supervision), 988, 990 (RF receiver), 992 (duress), 997 (polling loop) Keypad Panic Zones = 995, 996, 999 **NOTE:** When supervising the bell output (zone 970), only one device can be connected to the alarm output (terminals 4 and 5) for UL and Fire installations. Press [∗] to continue.
010 ZT P RC In L 00 1 10 00 1	This display appears, showing a summary of the zone's current programming. **ZT** = Zone Type, **P** = Partition, **RC** = Report Code, **In** = the input type of device, and **L** = the device's loop number to which the sensor is connected. Some devices can support more than one zone by means of individual loops (for example, 5801, 5804, 5816, 5817, etc.). If the zone is not programmed, the display appears as shown here. If you are checking a zone's programming, and it is programmed satisfactorily, press [#] to back up one step and enter another zone number, if desired. Press [∗] to continue.

PROMPT	EXPLANATION
010 ZONE TYPE PERIMETER 03 Zone number 010 and Zone Type 03 entry shown † These are special zone types used with 5800 Series Wireless Pushbutton Units that result in arming the system in the STAY or AWAY mode, or disarming the system, depending on the selection made.	Each zone must be assigned a zone type, which defines the way in which the system responds to faults in that zone. Refer to the *Zone Type Definitions* section in the *VISTA-128BPT/VISTA-250BPT 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. **NOTE: If changing a zone type, make sure you delete the previous zone and reprogram the entire zone.** 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 12 = Not Used 14 = CO Detector Alarm 16 = Fire With Verification 20 = Arm–STAY† 21 = Arm AWAY† 22 = Disarm† 23 = No Alarm Response (e.g., relay activation) 27 = Access Point 28 = Not Used 29 = Momentary Exit (used with VistaKey module) Press [∗] to continue.
010 Arm w/ Fault? 1 = YES 0 = NO 0	**If you selected response type 1, 2, 4, or 10**, this prompt appears. Enter **1** to enable arming of the partition with this zone faulted. The zone must be restored (see Force Arming, the next prompt) before the exit delay expires otherwise the system starts the entry delay and must be disarmed, or an alarm occurs.
010 Force Arming? 1 = YES 0 = NO 0	**If you entered 1 (YES) at the previous prompt**, this prompt appears. Enter **1** to enable the system to automatically bypass the zone if it is faulted at the end of the exit delay. If you enter **0** to disable and the zone is faulted at the end of exit delay, the system either performs the exit error logic, if field 1∗20 is enabled, or an alarm occurs. **NOTE:** Force Arming cannot be enabled for UL installations.
010 Vent zone ? 1 = YES 0 = NO 0	**If you selected response type 3**, this prompt appears. Enter **1** to enable the arming of the partition with this zone faulted (force arm). The zone is automatically bypassed. **NOTE:** The zone may be unbypassed simply by restoring the zone (e. g., closing the window), if the **Vent Re-arm** option (next prompt) for the zone is enabled. Enter **0** to disable. Press [∗] to continue.
010 Vent Re-arm ? 1 = YES 0 = NO 1	**If you entered 1 (YES) at the previous prompt**, this prompt will appear. Enter **1** to enable the system to automatically unbypass the zone when it is restored (e.g., by closing the window). Enter **0** to disable. The zone is bypassed for the duration of the armed period regardless of the zone status. Press [∗] to continue.
010 STAY MODE None 0	**If you selected response type 1, 2, 3, 4, 5, or 10**, this prompt will appear. Enter the STAY mode for this zone **(0-2).** 0 = None. The zone is not bypassed when the partition is armed STAY. 1 = Stay 1. The zone is automatically bypassed when the user enters **[User Code]** + **[3]** (STAY) + **[1]**. 2 = Stay 2. The zone is automatically bypassed when the user enters **[User Code]** + **[3]** (STAY) + **[2]**. **NOTE: 0 (None) cannot be selected for response types 4 and 10.** **NOTE:** Response types 4 and 10 are defaulted for STAY mode 1. **NOTE:** If the user enters **[User Code]** + **[3]** (STAY) + **[3]**, all zones assigned to Stay mode 1 and 2 in the partition are automatically bypassed. **NOTE:** If none of the zones in the partition are assigned to Stay mode 2, then when the user enters **[User Code]** + **[3]** (STAY), all zones assigned to Stay mode 1 are automatically bypassed. Press [∗] to continue.
010 Auto-stay ? 1 = YES 0 = NO 0	**If you selected response type 1, 2, 3, 4, 5, or 10**, this prompt will appear. Enter **1** to enable. The zone is automatically bypassed if none of the entry/exit zones are opened during the exit delay time (no one exits the premises). Enter **0** to disable. **NOTES:** All zones enabled for auto-stay except types 3 and 5 have exit delay time when the partition is armed. If auto-stay is enabled, make sure at least one zone is programmed for entry/exit in the same partition otherwise this zone will be automatically bypassed every time the partition is armed. Press [∗] to continue.

PROMPT	EXPLANATION
010 Silent ? 1 = YES 0 = NO 1	**If you selected response type 1, 2, 3, 4, 5, or 10**, this prompt will appear. Enter **1** to enable. The zone follows all the selected response type's characteristics, except in the alarm condition, the alarm output and the keypad sounder do not sound and the keypad does not display the alarm condition. Enter **0** to disable. Press [∗] to continue.
010 Bypass Group 01-15 01	**If you selected response type 1, 2, 3, 4, 5, or 10**, this prompt will appear. Enter the bypass group for the zone **(01–15)**. This enables the user to bypass a group of zones by entering **[User Code]** + **[6]** (Bypass) + **[∗]** + **[Group No.]** (01-15). Enter **00** for None. Press [∗] to continue.
010 ACCESS POINT (00-15) 01	**If response type 27, or 29 was selected**, this prompt will be displayed. Enter the access point to be controlled by the input type **(00-15 for type 27; 01-15 for type 29)**. **NOTE:** If you are using the VistaKey module, the access point must match the address that was set in the module. Press [∗] to continue.
010 ENTRY OR EXIT 0	**If response type 27, or 29 was selected**, this prompt will be displayed. Enter whether the access point is an entry or exit point. **0** = entry; **1** = exit 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 the *System Communication* section in the *Installation and Setup Guide* for more information about report codes and reporting formats.) Press [∗] to continue.
010 INPUT TYPE RF Xmitter 3 **Input types 4 & 5 are valid for certain 5800 Series transmitters only.** **If using input type 02 with a door/window type transmitter, only loop 1 may be used.** **If you selected response type 29 the input type MUST be 00.**	Enter the input device type as follows: 00 = Not Used 01 = hardwired 02 = RF motion (RM type) 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 = Not Used 11 = VistaKey Door Status Monitor (DM) 12 = VistaKey Request to Exit (RE) 13 = VistaKey General Purpose (GP) Right loops refer to the use of the right loop on a 4190WH Zone Expander Module and/or 4278 PIR, which allow hardwired devices to be monitored by the polling loop. If you are programming hardwired or DIP switch polling loop devices, the summary display appears after completing this entry. **NOTE:** Input types 11 (DM), 12 (RE), and 13 (GP) should only be used with VistaKey modules. Press [∗] to continue.

PROMPT	EXPLANATION
010 SMART CONTACT 1 = YES 0 = NO 0	If input type 3 or 6 was selected, this prompt will be displayed. Enter **1** for devices that monitor maintenance signals (ex. 5193SD, 5193SDT) or can be used to limit fault signals in the disarmed state (ex. IS2500SN). Otherwise, enter **0**. **NOTES:** 1. The Smart Contact option must ONLY be selected for devices that support the feature, otherwise unpredictable results may occur. 2. if using the new 5193SD/SDT V-Plex smoke detectors the "Smart" option must be selected in zone programming or when they enroll unpredictable results may occur if the smoke goes into a High Sens or Low Sens condition.
010 ANTI MASK 1 = YES 0 = NO 0	If zone type is 04 (interior) or 10 (interior with delay) and input type 06 (serial poll) is selected, this prompt will be displayed. The trouble report code will be used to report the masked condition.
001 Tamper Option none 0	**If you selected input type 1, 6, 7, or 8,** this prompt displays. If the zone has a tamper switch wired in the loop in addition to a sensor contact, enter the tamper option. Enter **1** if the tamper switch is normally closed (wired in series) with the EOL resistor. Enter **2** if the tamper switch is normally open (wired in parallel) with the EOL resistor. Enter **0** if a tamper switch is not being used in the loop. **NOTE: For zone response types 9 or 16 (Fire), the tamper selection must be "0" none.**
010 V-PLEX RELAY? 1 = YES 0 = NO	**If you select input type 6**, this prompt is displayed. Enter **1** if using a 4101SN Relay Module for this zone. Otherwise enter **0**. Press [∗] to continue.
010 CONS ECP ADDR (00-30) 01	**If you select input type 09**, this prompt is displayed. Enter the ECP address of the keypad that is being used for entry/exit for this access point **(00-30)**. Press [∗] to continue.
010 ACCESS POINT (01-15) 01	**If you select input types 06, or 11 – 13**, this prompt is displayed. Enter the access point **(01-15)** to be controlled by the input type. **NOTE: For input type 06, 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. Press [∗] to continue.
010 INPUT S/N: L AXXX-XXXX 1	**For Serial Number entry and Loop Number entry, do one of the following:** a. Transmit two open and close (or close and open) sequences. For a button-type transmitter, press and release the button, wait approximately 4 seconds, then press and release the button a second time. b. Manually enter the 7-digit serial number printed on a label on the transmitter, using the Alpha keypad. Then press the [∗] key, the cursor moves to the "L" position. You can edit the loop number, if necessary. When the loop number is acceptable, press [∗]. 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 below). **To Delete an Existing Serial Number,** enter "**0**" in the loop number field. The serial number will change to "0"s. If "0" was entered in error, simply re-enter the loop number or press [#], and the serial number will return to the display. Press [∗] to accept.
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 appears showing the serial number and loop number entry. Press [∗] to continue.

5800 Series Transmitters Loop Designations

PROMPT	EXPLANATION
XMIT TO CONFIRM PRESS ∗TO SKIP	**Confirmation Option:** This prompt only appears if you answered "Yes" at the first prompt. The system enters a confirmation mode so that the operation of the actual programmed input can be confirmed. Activate the loop input or button that corresponds to this zone. At any time during this step, you may press the [∗] key on the keypad to save the serial and loop number combination without confirming.
Entd A022-4063 1 Rcvd A022-4064	**If the serial number transmitted <u>does not</u> match the serial number entered**, a display similar to the one at the left appears. If the loop number does not match, it is also displayed. If so, activate the loop input or button on the transmitter once again. If a match is not obtained (i.e., summary display does not appear), press the [#] key twice and then enter or transmit the correct serial number.
010 ZT P RC In L 03 1 3C RF 1s	If the serial number transmitted <u>does</u> match the serial number entered, the system beeps 3 times and a summary display appears, showing that zone's programming. Note that an "s" indicates that a transmitter's serial number has been enrolled. Press [∗] to accept the zone information.
ENTER ZONE NO. 000 = QUIT 011	The system now returns 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 later in this *Programming Guide*; then enter the other information (zone number, zone type, etc.) relevant to that device.

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

Expert Mode Zone Programming

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

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

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

Before programming your zones, do the following:

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

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

PROMPT	EXPLANATION
EXPERT MODE? 1 = YES 0 = NO 0	Press **1** to enter Expert mode.
SET TO CONFIRM? 0 = NO 1 = YES 0	This prompt appears once upon entering Expert Mode. If you select "Yes," Confirmation prompts will be displayed after the device's Serial and Loop numbers have been entered later.
Zn ZT P RC In L 001 03 1 10 HW -	A summary display appears, showing zone 1's current programming or default values.
Zn ZT P RC In L 010 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 the last saved zone (including Loop). ZT = Zone Type P = Partition RC = Report Code In = Input Device Type L = Loop number to which the sensor is connected. **NOTE: Pressing the [C] copies the zone information from the last saved zone which includes the input type. Verify this information is correct for this zone.** **On this screen:** • Use the [A] key to move to the right. • Use the [B] key to move to left and to back up to "ZT" field. Press [∗] to accept the existing or newly-entered zone information.

PROMPT	EXPLANATION
ZN B M V A C E AD 010 – – 1 0 1 1 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) If "In" = 9, enter the Device Address **NOTE: Pressing the [C] copies the zone attributes from the last saved zone. Verify the attributes for this zone are correct.** **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 RM, 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 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.
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 only appears if you answered "Yes" at the "SET TO CONFIRM?" prompt. The system enters a confirmation mode so that the operation of the actual programmed input can be confirmed. Activate the loop input or button that corresponds to this zone. At any time during this step, you may press the [∗] key on the keypad to save the serial and loop number combination without confirming.
Entd A022-4063 1 Rcvd A022-4064	**If the serial number transmitted <u>does not</u> match the serial number entered**, a display similar to the one at the left appears. If the loop number does not match, it also is displayed. If so, activate the loop input or button on the transmitter once again. If a match is not obtained (i.e., summary display for the next zone does not appear), press the [#] key twice and then enter or transmit the correct serial number. Activate the button on the wireless key again after re-entering the serial number.
Zn ZT P RC In L 011 00 1 10 00 1	**If the serial number transmitted <u>matches</u> the serial number entered,** the system beeps 3 times and advances to the summary display for the next zone's programming. After all the zones have been programmed, enter **000** for the zone number to quit.

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

Entering Wireless Keys

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

PROMPT	EXPLANATION
FROM TEMPLATE 1–6 1	Enter template number (1–6). 1–3 = 5804 templates; 4–6 = 5804BD templates. See the defaults provided for each template in the chart that follows these procedures. Select from templates. Press [∗] to display template (template 1 shown selected). **NOTE:** If necessary, press [#] to back up and re-enter template number. Press [#] if you want to return to zone attributes screen.
L 01 02 03 04 ZT 23 22 21 23 1	When you press [∗], the selected template is displayed. Top line of display represents loop numbers; bottom line represents zone type. Press [∗] to accept template.
PARTITION 1	Enter partition number for wireless key. Press [∗] to continue.
ENTER ZONE NO 000 = QUIT 024 Example of zone number suggested by the system. This indicates that zones 24, 25, 26, and 27 are available.	The system searches for the highest available, consecutive 4-zone group (the four zones required for the 5804 and 5804BD), and displays the lowest zone number of the group. If you want to start at a different zone number, enter the zone desired and press [∗]. If that zone number is displayed, the system has the required number of consecutive zones available, beginning with the zone you entered. If not, the system again displays a suggested zone that can be used. If the required number of consecutive zones is not available at all, the system will display "000." 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. Press [∗] to accept serial number. The system checks for a duplicate. If a duplicate exists, a long error beep will sound and the serial number reverts to all "X"s allowing you to re-enter the serial number. Use the [A] key to move forward within the screen, and the [B] key to back up.
XMIT TO CONFIRM PRESS ∗TO SKIP	If you entered YES previously at the SET TO CONFIRM prompt (see first prompt following entry into the **Expert Programming Mode**), the display on the left appears. To confirm, activate the button on the wireless key that corresponds to this zone.
Entd A022-4063 Rcvd A022-4064	**If the serial number transmitted <u>does not</u> match the serial number entered**, a display similar to the one at the left appears. If so, activate the loop input or button on the transmitter once again. If a match is not obtained (i.e., summary display does not appear), press the [#] key and then enter the correct serial number. Activate the button on the wireless key again after re-entering the serial number.
ENTER ZONE NO 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 "Start Zone No." prompt and will show the lowest numbered zone of the next available 4-zone group (4 consecutive zones) that is available for programming. After all the wireless keys have been entered, enter **000** for the zone number to quit.

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

Wireless Key Default Templates

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

Report Code Programming

All report codes are entered using *#93 Menu Mode Programming*, either through *Report Code Programming*, or through *Zone Programming* while entering other zone information. In the VISTA-128BPT/VISTA-250BPT, reports are divided into six categories. These categories represent the main menu options in *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 Telco Trouble Exit Error by Zone Recent Close	Early Open Early Close Late Open Late Close Failed to Open Failed to Close Auto-Arm Failed Schedule Change	Walk-Test Start Walk-Test End

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. 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.

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

Zone Alarm Reports

PROMPT	EXPLANATION
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 00	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

PROMPT	EXPLANATION
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 you are 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

PROMPT	EXPLANATION
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 format). Press [∗] to continue.

PROMPT	EXPLANATION
	Enter the rest of the codes in the same manner. Other report codes in System Group #1 are: • Opening (Disarm) Also, 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 **NOTE:** Upon a total power failure, the control unit will ignore and not transmit alarm supervisory information for a stabilization period of 120 seconds following restoration of power. Within 60 seconds at the end of the stabilization period, the control unit shall initiate the transmission of a power restoration signal code. If this report code is enabled, this is the report that will be sent. • Cancel • Program Tamper Once you have entered these report codes, the system prompts you with the Quit menu.
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

PROMPT	EXPLANATION
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 format). Press [∗] to continue.
	Enter the rest of the codes in the same manner. Other codes in System Group #2 are: • Time Set, Log Reset • Telco Trouble • Exit Error by Zone • Recent Close Once you have entered these report codes, the system prompts you with the Quit menu.
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

PROMPT	EXPLANATION
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 format). Press [∗] to continue.

PROMPT	EXPLANATION
	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 prompts you with the Quit menu.
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

PROMPT	EXPLANATION
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 Walk 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. Once you have entered these report codes, the system prompts you with the Quit menu.
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, relays, keypad panics, polling loop short, and RF receiver supervision troubles.

Each description can be composed of a combination of words (up to three) that are selected from a vocabulary of 253 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 six 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 is displayed when the system is "Ready" (e.g., THE PETERSONS').

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

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

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

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

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

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

Zone Descriptors

1. **Select ZONE DESCRIPTOR mode.**

   The keypad keys perform the following functions:

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

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

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

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

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

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

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

   For example, key **[*] 001** to begin entering the description for Zone 1, (key **[*] 002** for Zone 2, **[*] 003** for Zone 3, etc.). The following is 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][6] 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 #061) 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.**

Default Screen (Custom Message Display)

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

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

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

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

To create a custom display message, proceed as follows:

1. **Select Default Screen mode.**

   The keypad asks for the partition number for this message.

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

   The following display appears:

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

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

2. **Create the message.**

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

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

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

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

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

3. **Save the message.**

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

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

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

Custom Words

Up to 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 now appears at the beginning of the second line.

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

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

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

or

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

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

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

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

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

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

Each word or word string cannot exceed 10 characters.

5. Save the word by pressing [8].

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

Custom words are retrieved as word numbers 254 to 313 for words 1 to 60, respectively, when using method 3a to enter alpha descriptors.

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

6. Repeat steps 2 through 6 to create up to a maximum of 60 custom words (or word strings).

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

Partition Descriptors

1. Select "Part DESCRIPT." Mode.

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

2. Follow the same procedure as for custom words.

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

Alpha Descriptor Vocabulary

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

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

001 AC
002 AIR
003 ALARM ✳
004 ALCOVE
005 ALERT
006 ALLEY
007 AMBUSH
008 AREA
009 APARTMENT
010 ART
011 ASSET
012 ATTIC ✳
013 AUDIO
014 AUXILIARY
015 BABY ✳
016 BACK ✳
017 BAR
018 BARN
019 BASEMENT ✳
020 BATHROOM ✳
021 BED
022 BEDROOM ✳
023 BELL
024 BLOCKED
025 BLOWER
026 BOILER
027 BOTTOM
028 BOX
029 BREAK
030 BUILDING
031 BURNER
032 CABINET
033 CALL
034 CAMERA
035 CAR
036 CASE
037 CASH
038 CCTV
039 CEILING
040 CELLAR
041 CENTRAL
042 CIRCUIT
043 CLIP
044 CLOSED ✳
045 COIN
046 COLD
047 COATROOM
048 COLLECTION
049 COMBUSTION
050 COMPUTER
051 CONTACT
052 DAUGHTERS
053 DELAYED
054 DEN ✳
055 DESK
056 DETECTOR ✳
057 DINING ✳
058 DISCRIMINATOR
059 DISPLAY
060 DOCK
061 DOOR ✳
062 DORMER
063 DOWN
064 DOWNSTAIRS
065 DRAWER
066 DRIVEWAY
067 DRUG
068 DUCT
069 EAST
070 ELECTRIC
071 EMERGENCY ✳
072 ENTRY
073 EQUIPMENT
074 ESCALATOR
075 EXECUTIVE
076 EXIT ✳
077 EXTERIOR
078 FACTORY
079 FAILURE
080 FAMILY
081 FATHERS
082 FENCE
083 FILE
084 FIRE ✳
085 FLOOR ✳
086 FLOW
087 FOIL
088 FOYER
089 FREEZER
090 FRONT ✳
091 FUR
092 FURNACE
093 GALLERY
094 GARAGE ✳
095 GAS
096 GATE
097 GLASS
098 GUEST
099 GUN ✳
100 HALL ✳
101 HEAT
102 HIGH
103 HOLDUP
104 HOUSE ✳
105 INFRARED
106 INSIDE ✳
107 INTERIOR
108 INTRUSION
109 JEWELRY
110 KITCHEN ✳
111 LAB
112 LAUNDRY ✳
113 LEFT
114 LEVEL
115 LIBRARY ✳
116 LIGHT
117 LINE
118 LIQUOR
119 LIVING ✳
120 LOADING
121 LOCK
122 LOOP
123 LOT
124 LOW
125 LOWER
126 MACHINE
127 MAGNETIC
128 MAIDS
129 MAIN ✳
130 MASTER ✳
131 MAT
132 MEDICAL ✳
133 MEDICINE
134 MEZZANINE
135 MICROWAVE
136 MONEY
137 MONITOR
138 MOTHERS
139 MOTION ✳
140 MOTOR
141 MUD
142 NORTH
143 NURSERY
144 OFFICE ✳
145 OIL
146 OPEN ✳
147 OPENING
148 OUTSIDE
149 OVERFLOW
150 OVERHEAD
151 PAINTING
152 PANIC ✳
153 PASSIVE
154 PATIO ✳
155 PERIMETER
156 PHONE
157 PHOTO
158 POINT
159 POLICE ✳
160 POOL ✳
161 POWER
162 QUAD
163 RADIO
164 REAR
165 RECREATION
166 REFRIGERATION
167 RF
168 RIGHT
169 ROOM ✳
170 ROOF
171 SAFE
172 SCREEN
173 SENSOR
174 SERVICE
175 SHED ✳
176 SHOCK
177 SHOP ✳
178 SHORT
179 SHOW
180 SIDE ✳
181 SKYLIGHT
182 SLIDING ✳
183 SMOKE ✳
184 SONIC
185 SONS
186 SOUTH
187 SPRINKLER
188 STAMP
189 STATION
190 STATUE
191 STEREO
192 STORE
193 STORAGE ✳
194 STORY
195 SUMP
196 SUPERVISED ✳
197 SUPERVISION
198 SWIMMING
199 SWITCH
200 TAMPER
201 TAPE
202 TELCO
203 TELEPHONE
204 TELLER
205 TEMPERATURE
206 THERMOSTAT
207 TOOL
208 TOWER
209 TRANSMITTER
210 TRAP
211 TV
212 UP
213 UPPER
214 UPSTAIRS ✳
215 UTILITY
216 VALVE
217 VAULT
218 VIBRATION
219 VIDEO
220 VOLTAGE
221 WALL
222 WAREHOUSE
223 WASH
224 WATERLEAK
225 WEST
226 WINDOW ✳
227 WINE
228 WING
229 WIRELESS
230 WORK
231 XMITTER
232 YARD ✳
233 ZONE (No.)
234 ZONE ✳
235 0 ✳
236 1
237 1ST ✳
238 2
239 2ND ✳
240 3
241 3RD ✳
242 4
243 4TH
244 5
245 5TH
246 6
247 6TH
248 7
249 7TH
250 8
251 8TH
252 9
253 9TH
254 Custom Word 1
to
313 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.

Words *italicized* followed by an asterisk indicate those words supported by the 6160V Voice keypad.

Device Programming

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

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

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

PROMPT	EXPLANATION
DEVICE PROG? 1=YES 0=NO 0	Press **[1]** to enter *Device Programming*.
DEVICE ADDRESS 01-30, 00=QUIT 01	The device address identifies the device to the control. Enter the 2-digit device address number to match the device's physical address setting **(01-30).** **NOTE:** Device Address 01 is defaulted for an alpha keypad with Keypad Global arm/disarm disabled. Press [∗] to accept entry.
DEVICE TYPE 00	Select the type of addressable device as follows: **00** = device not used **01** = alpha keypad (6160, graphic/touch-screen) **03** = RF receiver (5881) **04** = output relay module (4204) **05** = Not Used **06** = communications device **08** = Not Used **09** = Not Used **10 =** Not Used **12** = Remote Interactive Service (RIS) (Only applies to VISTA-128BPT and VISTA-128BPTSIA) Press [∗] to accept entry.

Alpha Keypad

PROMPT	EXPLANATION
01 CONSOLE PART. 1	If you selected device type 01 (alpha keypad), this prompt appears. Enter the addressable device's default partition number (01 to maximum number of partitions programmed for system in field 2∗00). This is the primary partition for the device. Enter 9 to make this keypad a "Master" keypad for the system. Press [∗] to accept entry.
01 SOUND OPTION 0	If you entered device type 01 (alpha keypad), this prompt appears. 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 you entered device type 01 (alpha keypad), this prompt appears. 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 AUTO-STAY ARM DISABLED? 0	0 = No, 1 = Yes. If enabled (1=yes), Auto-Stay Arming is turned off for the selected keypad address (system does not automatically revert to Auto-Stay Arm mode if armed Away and no entry/exit doors are opened). Default is No. Press [*] to accept entry.
01 AUI ? 1 = YES 0 = NO 0	If you selected device type 01 (alpha keypad), this prompt appears. Enter **1** (YES) if the device is a graphic/touch-screen keypad. Press [∗] to accept entry.

RF Expander

PROMPT	EXPLANATION
01 RF EXPANDER HOUSE ID 00	If you selected device type 03 (RF receiver), this prompt appears. Enter the 2-digit House ID (**00-31**). This is required if you are using a wireless keypad (5827/5804BD). Press [∗] to accept entry.

Communications Device

If you selected device type 6, the 6160 Keypad functions similarly to the Programming Tool. See *Figure 1* for the functions of the keys on the 6160.

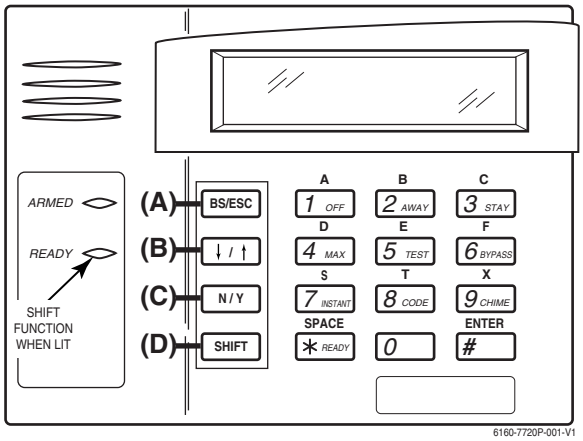


Figure 1: 6160 Key Functions for Programming Communications Device

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 entering C.S. ID number
7/S	[7]: For entering the number 7	[S]: Not used
8/T	[8]: For entering the number 8	[T]: Not used
9/X	[9]: For entering the number 9	[X]: No SHIFT function
∗/SPACE	[∗]: Not used	[SPACE]: Not used
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 6160 Keypad displays the following prompts, which are sent by the Communications Device transmitter to the control.

PROMPT	EXPLANATION
DEVICE ADDRESS	Enter the device address of the communications device. 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 communications device. Messages generated by the panel and transmitted by the communications device will contain the ID number programmed into the panel. The communications device and the panel should have the same ID number, if possible.

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

NOTE: Refer to the Communications Device's instructions for the correct prompts.

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 action choices:

- ACTIVATE for 2 SECONDS and then reset. If selected, it is not necessary to program a stop parameter.
- ACTIVATE and REMAIN ACTIVATED until stopped by some other event.
- PULSE ON and OFF until stopped by some other event.
- NO RESPONSE when the device is not used.
- TOGGLE on and off alternately with each activation of starting event. **Do not program a stop parameter as this may cause unpredictable results.**

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

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

   ZONE LIST (ZL) is a group of zones to which the "EVENT" applies in order to activate a particular device. Note that there are a total of 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 relay action. Enter the 3-digit zone number (001-250).
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 that are **not** to activate this device, then "ZONE TYPE" may be used instead of a "ZONE LIST" and "EVENT" to activate the device.

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

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

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

   If a "SYSTEM OPERATION" is chosen, that operation will cause the device to activate as selected in "ACTION." The different choices for "ZONE TYPE" and "SYSTEM OPERATION" are listed in "Programming Relays" later in this section, and on the Programming Form.
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 is de-activated. The following options are available:

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

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

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

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

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

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

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 back up to the previous screen.

PROMPT	EXPLANATION
ENTER RELAY # (00=QUIT) 01	Enter the relay (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 displays a summary STOP screen. Press [∗] to continue.
02 RELAY ACTION NO RESPONSE 0	The Relay Action is the way in which the relay will respond when activated by the "start" event. Enter the desired action for this relay as follows: **0**=not used; **1**=close for 2 seconds.; **2**=stay closed; **3**=pulse on/off; **4**= toggle on and off alternately **NOTE:** For options 1 and 4, do not program a "Stop" parameter.
02 START EVENT NOT USED 0	An output may be activated by an Event/Zone List or Zone Number combination, **and**/**or** by a Zone Type/System Operation. For an Event/Zone List or Event Zone Number combination, enter the event code as follows: **0**=not used; **1**=alarm; **2**=fault; **3**=trouble If you are not using a Zone List or Zone Number to activate the relay, 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 relay action. If a zone list is being used to start this relay 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 relay 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 relay action. If a Zone Type/System Operation is being used, enter the 2-digit code as listed in the table that follows. Press [∗] to continue.

Output Programming Notes when using with a Burglary/Panic Zone Type:

1. When using a START EVENT OF FAULT on a ZONE # and no other start or stop entries, the Output assigned to the relay will follow the zone (tripped Relay on, restored Relay off) on FAULT/ALARM/TROUBLE, armed and disarmed.
2. When using a START EVENT OF FAULT on a ZONE # and a STOP ZONE/TYPE of 22, the Output assigned to the relay will START on FAULT/ALARM/TROUBLE, but will not Stop until code and off is entered.
3. When using a START EVENT OF ALARM on a ZONE # and no other start or stop entries, the Output assigned to the relay will follow the zone (on after an ALARM only) and off when zone restores.
4. When using a START EVENT OF ALARM on a ZONE # and a STOP ZONE/TYPE of 22, the Output assigned to the relay will START only on ALARM of the zone and will not Stop until code and off is entered.

NOTE: BYPASSING A ZONE WILL PREVENT IT FROM STARTING AN OUTPUT.

Choices for Start/Stop Zone Types and System Operations:

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

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

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

PROMPT	EXPLANATION
02 START: ACS PT (00-15) 00	If the start zone type you selected was 27 (access point), this prompt is displayed. Enter the access point **(00-15)** that will start the relay 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.

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

PROMPT	EXPLANATION
02 STOP: ZN LIST 00	If a zone list is being used to stop this relay action, enter the zone list number, **1-15**. The **restore** of a zone on the zone list stops the relay. If a zone list is not being used, enter **0**. Press [∗] to continue.
02 STOP: ZN TYPE NO RESPONSE 00	If a Zone Type/System Operation is being used to stop the relay action, enter the 2-digit code listed in the Choices for Start/Stop System Operation chart. The restore of the Zone Type or System Operation stops the relay. Press [∗] to continue.
02 STOP: ACS PT (00-15) 00	If the stop zone type you selected was 27 (access point), this prompt is displayed. Enter the access point **(00-15)** which will stop the relay 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.

PROMPT	EXPLANATION
02 RELAY GROUP 00	Relays 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 that are not intended to be under end user control, such as relays activating fire doors or machinery. Enter **1** if the end user will be restricted from accessing this relay. Press [∗] to continue.
02 RELAY TYPE V-PLEX 0	Enter **0** for V-Plex (polling loop) devices. Enter **1** for (ECP) relay module 4204. Press [∗] to continue.
02 V-PLEX ZONE # 000	For polling loop trigger outputs (4101SN), enter the protection zone number (010 - 250) 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 you selected **1** for (4204), enter the actual module's address **(01-15 – 4204)**. Press [∗] to continue.
02 MODULE RELAY# 0	For 4204 Relay Outputs, enter the specific relay number on that module (**1-4**). Press [∗] to continue. The keypad will display the Start and Stop summary screens again. Press [∗] to continue.
02 HOUSE CODE A 00	Not Used.
02 UNIT CODE 00	Not Used.

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

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

Zone List Programming

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

PROMPT	EXPLANATION
ENTER Zn LIST ? 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 you enter each zone number. When you have entered all zones, enter **000**. Press [∗] to continue.
01 Del Zn LIST ? 1=YES 0=NO 0	Enter **0** to save this zone list. Enter **1** to delete it.
01 DEL ZONES ? 1=YES 0=NO 0	Enter **1** to delete one or more zones in that zone list. Enter **0** if no changes are necessary. If you enter 1, the following screen appears; otherwise, the "Enter Zone LIST" prompt reappears.

PROMPT	EXPLANATION
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 display appears if you pressed **00** 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

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

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

To enter relay voice descriptors, do the following:

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

PROMPT	EXPLANATION
RLY VOICE DESCR? 1=YES 0=NO 0	Press **[1]** to program voice descriptors for relays.
ENTER RELAY NO. 00=QUIT 01	Enter the 2-digit relay number (**01-32**) for the relay desired, or enter **00** to quit Relay Voice Descriptor Programming Mode. Press [∗]
01 ENTER DESC d1	From the Relay Voice Descriptors and Custom Word Substitutes Vocabulary list, enter the 3-digit index number for the first word of the relay descriptor phrase. Press [∗] to accept entry.
01 ENTER DESC d2	From the Relay Voice Descriptors and Custom Word Substitutes Vocabulary list, enter the 3-digit index number for the second word of the relay descriptor phrase. If second word is not desired, press **[000]**. Press [∗] to accept entry.
01 ENTER DESC d3	From the Relay Voice Descriptors and Custom Word Substitutes Vocabulary list, enter the 3-digit index number for the third word of the relay descriptor phrase. If third word is not desired, press **[000]**. Press [∗] to accept entry. The "ENTER RELAY NO." prompt appears. Enter the next relay number to be programmed. When you have programmed all output devices, enter **00** to quit. Enter ∗99 to exit Program Mode.

Relay Voice Descriptors and Custom Word Substitutes Vocabulary

Words *italicized* indicate those words supported by the 6160V Voice keypad.

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

System Layout Worksheets

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

NOTE: All references in this manual for number of zones, number of user codes, number of access cards, and the event log capacity, use the VISTA-250BPT's features. See page 4 of this manual for the table listing the differences between the VISTA-128BPT and the VISTA-250BPT control panels.

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 (30 sec.)								

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

Option	Part. 1	Part. 2	Part. 3	Part. 4	Part. 5	Part. 6	Part. 7	Part. 8
Entry Delay #1 (00, 30-225 seconds):								
Exit Delay #1 (00, 30-225 seconds):								
Entry Delay #2 (00, 30-225 seconds):								
Exit Delay #2 (00, 30-225 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 Exit								
Confirmation of Arming Ding for Bell								
Chime on Bell								
Access Control Relay (field 1∗76)								
Affects Lobby (check partitions that apply)								
Arms Lobby (check partitions that apply)								
Displays Fire Alarms of Other Partitions								
Displays Burg & Panic Alarms of Other Partitions								
Displays Troubles of Other Partitions								

*Can be any zone 001-250.

PRINTER OPTIONS

Serial printer	
12- or 24-hour Time format	
Printer On-Line (yes/no)	

EVENT LOG TYPES

Option	No	Yes
Alarm		
Trouble		
Bypass		
Open/Close		
System		

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

Device Types:

00 = Device Not Used
01 = Alpha Console
03 = RF Receiver
04 = Output Relay Module
05 = Not Used
06 = Communications Device
08 = Not Used
09 = Not Used
10 = Not Used
12 = Remote Interactive Service (RIS)

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 = Alpha Keypad; No Suppression

ACCESS CODES & USER DEFINITIONS FOR PARTITIONS 1 & 2

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

ACCESS CODES & USER DEFINITIONS FOR PARTITIONS 3 & 4

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

ACCESS CODES & USER DEFINITIONS FOR PARTITIONS 5 & 6

4-digit Security Code	Access Group 0; 1-8	Partition 5						Partition 6					
		3-Digit User #	Auth. Level	Open/ Close	Group Bypass	RF Key	Global Arm	3-Digit User #	Auth. Level	Open/ Close	Group Bypass	RF Key	Global Arm

ACCESS CODES & USER DEFINITIONS FOR PARTITIONS 7 & 8

4-digit Security Code	Access Group 0; 1-8	Partition 7						Partition 8					
		3-Digit User #	Auth. Level	Open/ Close	Group Bypass	RF Key	Global Arm	3-Digit User #	Auth. Level	Open/ Close	Group Bypass	RF Key	Global Arm

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

Defaults:

User	4-Digits	Alpha
User 1 (Installer)	4140	INSTLR
User 2	1234	MASTER

ZONE DEFINITION FOR ZONES 001-025

Zone No.	Zone Type	Part 1-8	Input Type	Arm w/Fault	Vent Zone	STAY Mode	Auto-STAY	Silent	Bypass Group	Access Point	Tamper	Serial # / Loop	Rpt. Code	Smart Zone	Anti Mask	Zone Info (part nos.) & Alpha Descriptor (3 words max.)
1																
2																
3																
4																
5																
6																
7																
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																
25																

ZONE DEFINITION FOR ZONES 026-050

Zone No.	Zone Type	Part 1-8	Input Type	Arm w/Fault	Vent Zone	STAY Mode	Auto-STAY	Silent	Bypass Group	Access Point	Tamper	Serial # / Loop	Rpt. Code	Smart Zone	Anti Mask	Zone Info (part nos.) & Alpha Descriptor (3 words max.)
26																
27																
28																
29																
30																
31																
32																
33																
34																
35																
36																
37																
38																
39																
40																
41																
42																
43																
44																
45																
46																
47																
48																
49																
50																

ZONE DEFINITION FOR ZONES 051-075

Zone No.	Zone Type	Part 1-8	Input Type	Arm w/Fault	Vent Zone	STAY Mode	Auto-STAY	Silent	Bypass Group	Access Point	Tamper	Serial # / Loop	Rpt. Code	Smart Zone	Anti Mask	Zone Info (part nos.) & Alpha Descriptor (3 words max.)
51																
52																
53																
54																
55																
56																
57																
58																
59																
60																
61																
62																
63																
64																
65																
66																
67																
68																
69																
70																
71																
72																
73																
74																
75																

ZONE DEFINITION FOR ZONES 076-100

Zone No.	Zone Type	Part 1-8	Input Type	Arm w/Fault	Vent Zone	STAY Mode	Auto-STAY	Silent	Bypass Group	Access Point	Tamper	Serial # / Loop	Rpt. Code	Smart Zone	Anti Mask	Zone Info (part nos.) & Alpha Descriptor (3 words max.)
76																
77																
78																
79																
80																
81																
82																
83																
84																
85																
86																
87																
88																
89																
90																
91																
92																
93																
94																
95																
96																
97																
98																
99																
100																

ZONE DEFINITION FOR ZONES 101-125

Zone No.	Zone Type	Part 1-8	Input Type	Arm w/Fault	Vent Zone	STAY Mode	Auto-STAY	Silent	Bypass Group	Access Point	Tamper	Serial # / Loop	Rpt. Code	Smart Zone	Anti Mask	Zone Info (part nos.) & Alpha Descriptor (3 words max.)
101																
102																
103																
104																
105																
106																
107																
108																
109																
110																
111																
112																
113																
114																
115																
116																
117																
118																
119																
120																
121																
122																
123																
124																
125																

ZONE DEFINITION FOR ZONES 126-150

Zone No.	Zone Type	Part 1-8	Input Type	Arm w/Fault	Vent Zone	STAY Mode	Auto-STAY	Silent	Bypass Group	Access Point	Tamper	Serial # / Loop	Rpt. Code	Smart Zone	Anti Mask	Zone Info (part nos.) & Alpha Descriptor (3 words max.)
126																
127																
128																
129																
130																
131																
132																
133																
134																
135																
136																
137																
138																
139																
140																
141																
142																
143																
144																
145																
146																
147																
148																
149																
150																

ZONE DEFINITION FOR ZONES 151-175

Zone No.	Zone Type	Part 1-8	Input Type	Arm w/Fault	Vent Zone	STAY Mode	Auto-STAY	Silent	Bypass Group	Access Point	Tamper	Serial # / Loop	Rpt. Code	Smart Zone	Anti Mask	Zone Info (part nos.) & Alpha Descriptor (3 words max.)
151																
152																
153																
154																
155																
156																
157																
158																
159																
160																
161																
162																
163																
164																
165																
166																
167																
168																
169																
170																
171																
172																
173																
174																
175																

ZONE DEFINITION FOR ZONES 176-200

Zone No.	Zone Type	Part 1-8	Input Type	Arm w/Fault	Vent Zone	STAY Mode	Auto-STAY	Silent	Bypass Group	Access Point	Tamper	Serial # / Loop	Rpt. Code	Smart Zone	Anti Mask	Zone Info (part nos.) & Alpha Descriptor (3 words max.)
176																
177																
178																
179																
180																
181																
182																
183																
184																
185																
186																
187																
188																
189																
190																
191																
192																
193																
194																
195																
196																
197																
198																
199																
200																

ZONE DEFINITION FOR ZONES 201-225

Zone No.	Zone Type	Part 1-8	Input Type	Arm w/Fault	Vent Zone	STAY Mode	Auto-STAY	Silent	Bypass Group	Access Point	Tamper	Serial # / Loop	Rpt. Code	Smart Zone	Anti Mask	Zone Info (part nos.) & Alpha Descriptor (3 words max.)
201																
202																
203																
204																
205																
206																
207																
208																
209																
210																
211																
212																
213																
214																
215																
216																
217																
218																
219																
220																
221																
222																
223																
224																
225																

ZONE DEFINITION FOR ZONES 226-250

Zone No.	Zone Type	Part 1-8	Input Type	Arm w/Fault	Vent Zone	STAY Mode	Auto-STAY	Silent	Bypass Group	Access Point	Tamper	Serial # / Loop	Rpt. Code	Smart Zone	Anti Mask	Zone Info (part nos.) & Alpha Descriptor (3 words max.)
226																
227																
228																
229																
230																
231																
232																
233																
234																
235																
236																
237																
238																
239																
240																
241																
242																
243																
244																
245																
246																
247																
248																
249																
250																

ZONE DEFINITIONS FOR KEYPAD PANIC ZONES 995, 996, & 999

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

NOTE: When supervising the bell output (zone 970), only one device can be connected to the alarm output (terminals 4 and 5) for UL and Fire installations.

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 800-830

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							

Zone Types:

00=zone not used	07=24-hour audible	20=arm stay
01=entry/exit 1	08=24-hour auxiliary	21=arm away
02=entry/exit 2	09=supervised fire	22=disarm
03=perimeter	10=interior (delay)	23=no alarm response
04=interior (follower)	12=Not Used	27=access control
05=day/night burglary	14=CO detector alarm	28=Not Used
06=24-hour silent	16=fire w/verification	29=momentary exit

Input Types:

00=Not Used	07=Dip switch-type polling loop
01=hardwired	08=right loop dip switch polling loop
02=RF motion transmitter	09=keypad input
03=supervised RF transmitter	10=Not Used
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

Output Devices Worksheets

Applicable only if relays (4204) or V-Plex devices 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, the Device Programming section must be programmed for the device address. Set the DIP switches on the device for that address.

2. For V-Plex, the devices must be programmed in the Zone Programming section. 3.

OUTPUT DEV #	A	S T A R T					S T O P			Relay Group	Restrict	0=V-Plex 1=4204	V-Plex Zone # or Dev Add 4204	Relay # for 4204
		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	S T A R T					S T O P			Relay Group	Restrict	0=V-Plex 1=4204	V-Plex Zone # or Dev Add 4204	Relay # for 4204
		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			Relay Group	Restrict	0=V-Plex 1=4204	V-Plex Zone # or Dev Add 4204	Relay # for 4204
		EV/ZL		Zone	ZT / P		ZL	ZT / P						
46.														
47.														
48.														
49.														
50.														
51.														
52.														
53.														
54.														
55.														
56.														
57.														
58.														
59.														
60.														
61.														
62.														
63.														
64.														
65.														
66.														
67.														
68.														
69.														
70.														

OUTPUT DEVICES WORKSHEET (cont'd)

OUTPUT DEV #	A	START					STOP			Relay Group	Restrict	0=V-Plex 1=4204	V-Plex Zone # or Dev Add 4204	Relay # for 4204
		EV/ZL		Zone	ZT / P		ZL	ZT / P						
71.														
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

ZL = ZONE LIST 01-15, 00 = Not Used

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

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

ZT = ZONE TYPE/SYSTEM OPERATION

Choices for Zone Types are:

00=zone not used	08=24-hour auxiliary	22=disarm
01=entry/exit 1	09=supervised fire	23=no alarm response
02=entry/exit 2	10=interior (delay)	26=Not Used
03=perimeter	12=Not Used	27=Not Used
04=interior (follower)	14=CO detector alarm	28=Not Used
05=day/night burglary	16=fire w/verification	29=momentary exit
06=24 hour silent	20=arm stay	
07=24-hour audible	21=arm away	

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

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)	42 = System Battery Low
01 = Entry/Exit #1		43 = Communication failure
02 = Entry/exit #2		44 = RF Low Battery
03 = Perimeter		45 = Polling Loop Failure
04 = Interior Follower	28 = MLB Supervision	47 = Console Failure
05 = Trouble Day/Alarm Night	29 = Momentary Exit	51 = RF Receiver Failure
06 = 24-Hr. Silent	31 = End of Exit Time	52 = Kissoff
07 = 24-Hr. Audible	32 = Start of Entry Time	54 = Fire Zone Reset
08 = 24-Hr. Auxiliary	33 = Any Burglary Alarm	55 = Disarm + 1 Minute
09 = Fire Alarm or Trouble	34 = Code + [#] + 71 Key Entry	56 = XX Minutes (enter XX in field 1∗74) *
10 = Interior W/Delay	35 = Code + [#] + 72 Key Entry	
16 = Fire With Verification	36 = At Bell Timeout **	57 = YY Seconds (enter YY in field 1∗75) *
20 = Arming-STAY***	37 = 2 Times Bell Timeout **	
21 = Arming-AWAY****	38 = Chime	58 = Duress
22 = Disarming (Code + Off)	39 = Fire Alarm	60 = Audio Alarm Verification (must be selected for both START and STOP operation)
23 = No Alarm Response	40 = Bypassing	
	41 = AC Power Fail	

* Stop condition only

** Or at Disarming, whichever occurs earlier

*** The output also activates when the partition is armed in the INSTANT mode

**** The output also activates when the partition is armed in the MAXIMUM mode

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

ZONE LISTS FOR OUTPUT DEVICES – Programmed in the #93 Menu Mode in the Output Programming Section. Fill in the required data on the worksheet below and follow the procedure shown earlier in this *Programming Guide* as you enter the data during the displays and prompts that appear in sequence. Up to 15 zone lists may be created

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

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

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

#80 & #81 MENU MODE KEY COMMANDS

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

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

Scheduling Worksheets

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

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

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

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

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

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

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

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

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

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

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

Enter Relay No.	(reference identification number)	Zone No.	(V-Plex)
Relay Group	(if applicable)	ECP Address	(4204)
Restriction		Relay No.	(4204)
Relay Type	(V-Plex or 4204)		

Relay commands:

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

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

Arm/Disarm commands:

Action Specifier for commands 20-24 is Partition(s). Activation times 1 (Beginning), 2 (End), 3 (During), 5 (Random Start), 6 (Random End), 7 (Random 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)
25 = Arm Instant
26 = Arm Maximum

Bypass commands:

Action Specifier for commands 30-31 is Zone List #, Activation times 1 (Beginning), 2 (End), 3 (During), 5 (Random Start), 6 (Random End), 7 (Random During) are the only valid choices for bypass commands.

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

Open/Close Windows:

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

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

Access Control Commands

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 commands 77 and 78 is Group.

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
5 = Random Start of the time window *
6 = Random End of the time window *
7 = Random During the time window *

* The activation time of the window is randomized up to 30 minutes and is initialized by either of two methods:
  a. **[User Code]** + **[#]** + **[41]** – Initiates the random schedule for all devices in the partition.
  b. **[User Code]** + **[#]** + **[42]** – Initiates the random schedule for all devices in the partition with a time window within 6 PM and 5 AM.

Limitation of Access Worksheet The system provides up to eight 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																

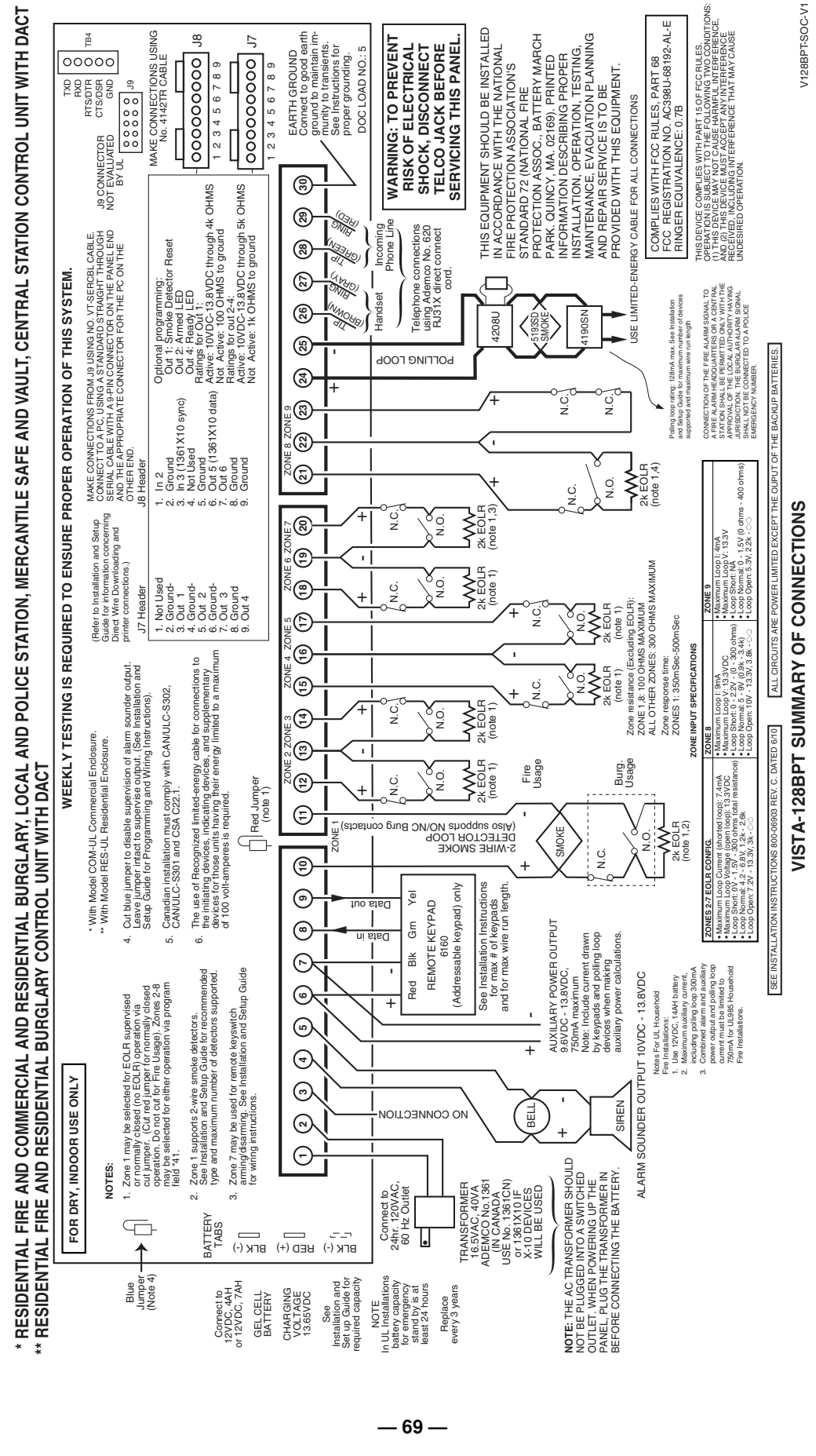
Temporary Schedule #81 Menu Mode. The system provides a Temporary Schedule for each partition. Enter the temporary scheduling mode by pressing **[Installer Code] + [#] + [81]**. Fill in the required data on the worksheet below and follow the procedure in the installation instructions as you enter the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

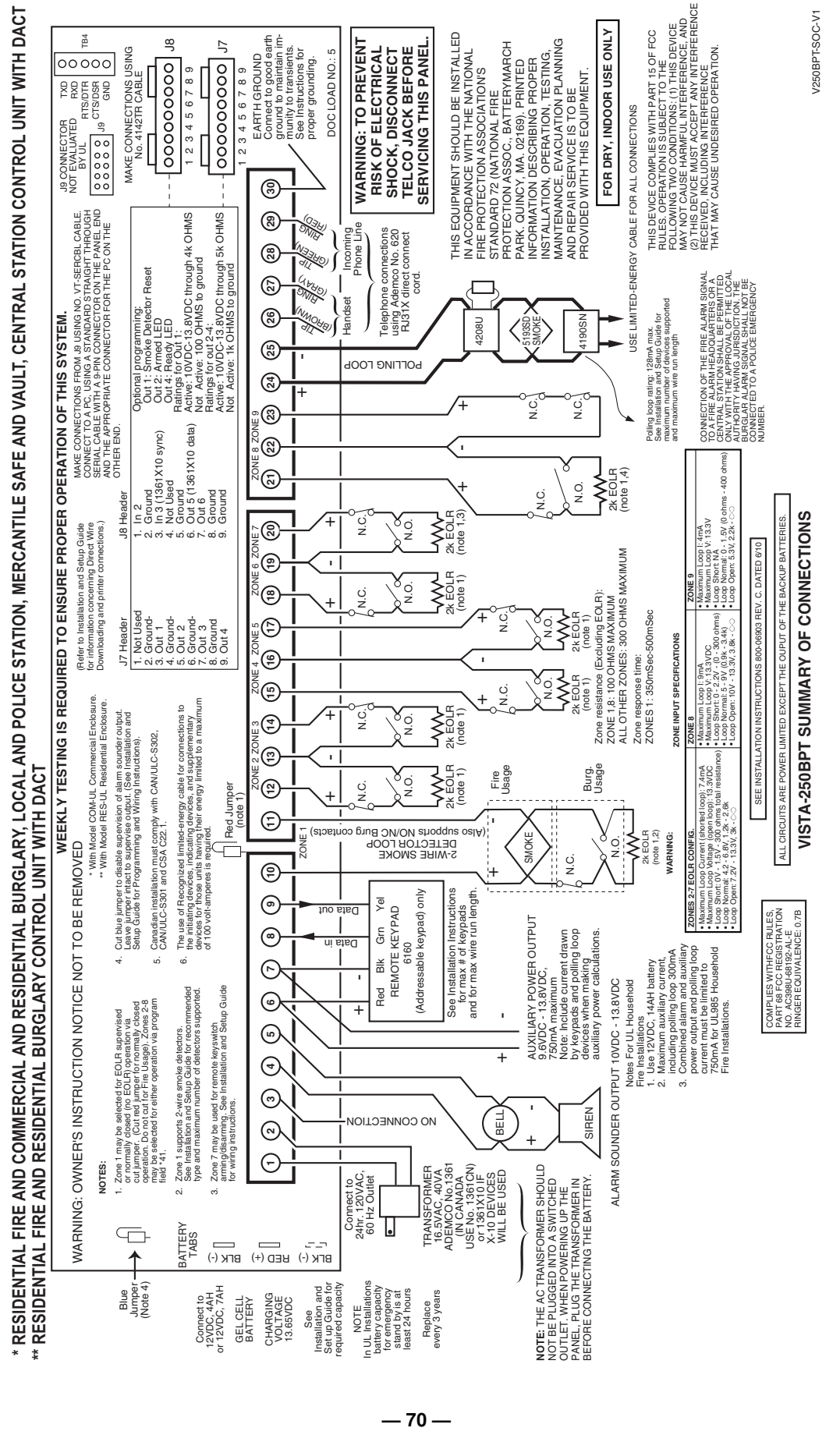
Partition/Windows		Mon	Tue	Wed	Thu	Fri	Sat	Sun
4	**Disarm Window**							
	Start Time HH:MM							
	Stop Time HH:MM							
	Arm Window							
	Start Time HH:MM							
	Stop Time HH:MM							
5	**Disarm Window**							
	Start Time HH:MM							
	Stop Time HH:MM							
	Arm Window							
	Start Time HH:MM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

NOTES

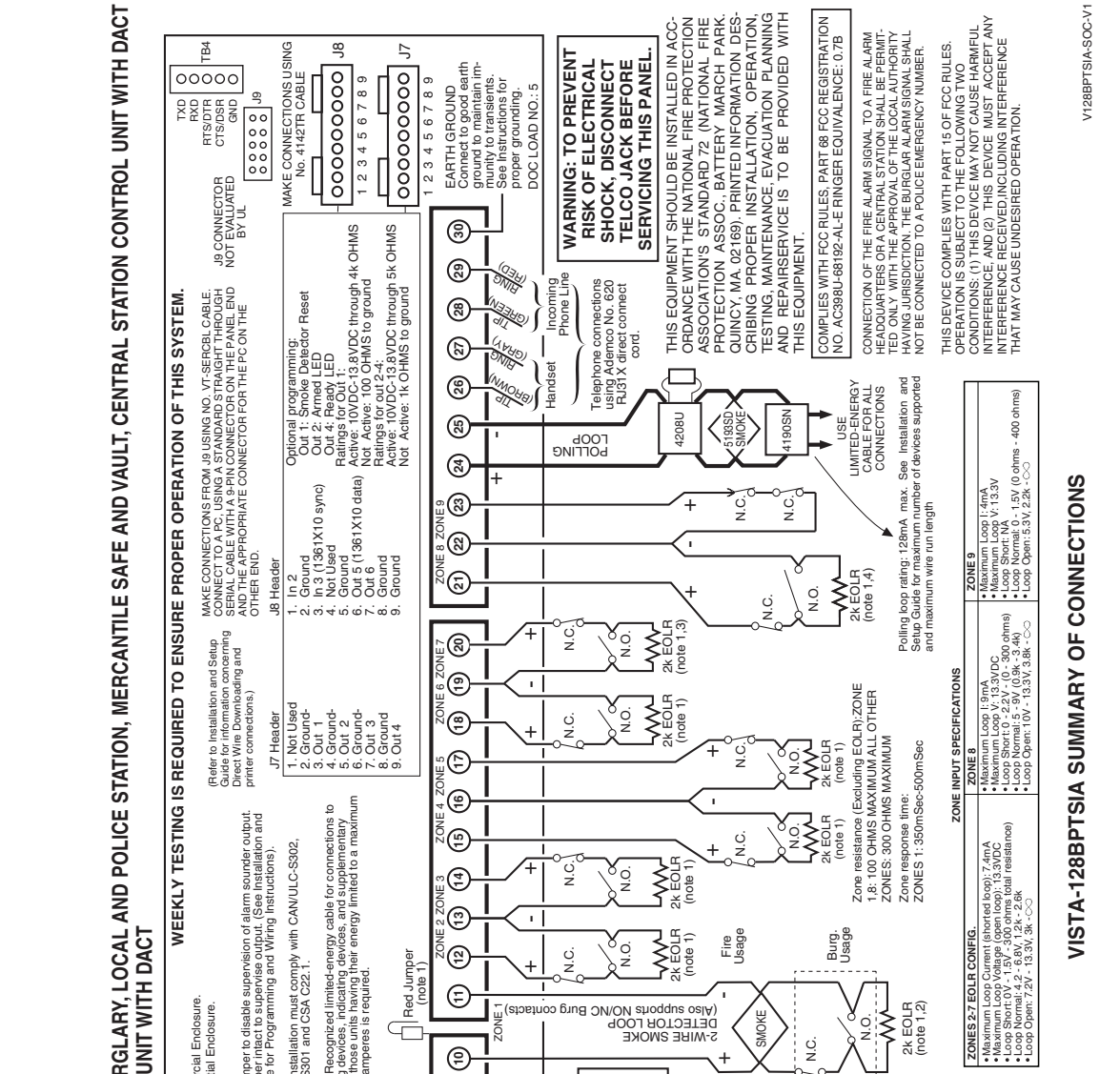
VISTA-128BPT Summary of Connections Diagram



VISTA-250BPT Summary of Connections Diagram



VISTA-128BPTSIA Summary of Connections Diagram



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