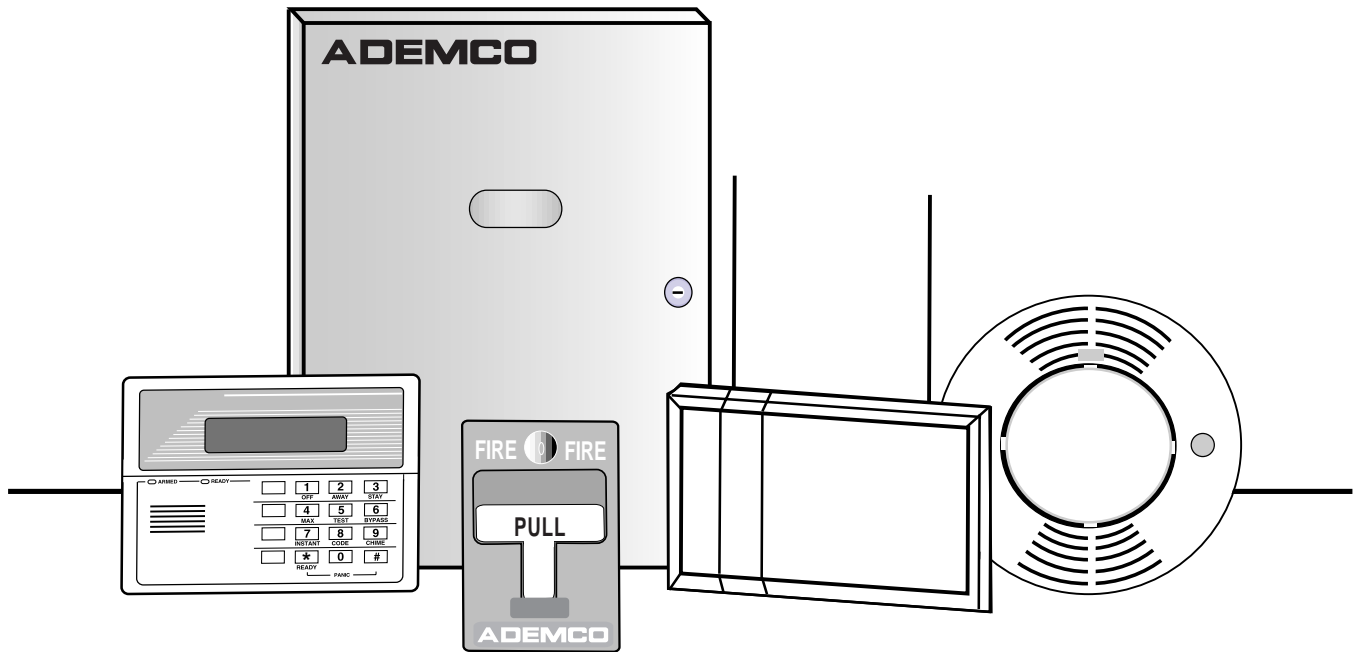


VISTA-128FB

Commercial Fire and Burglary Partitioned Security System with Scheduling

Quick Start Guide



® ADEMCO

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

Following the program forms are system layout worksheets. We recommend that you use these sheets to plan your system before programming is performed. If you need further information about specific programming options, see the VISTA-128FB INSTALLATION INSTRUCTIONS.

- 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-128FB 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-128FB 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

- | |
|--|
| <ul style="list-style-type: none">• To enter program mode, enter installer code + [8] + [0] + [0] + [0]• To set standard defaults, press *97• To set communication defaults, press *94 + one of the following: *80=low speed; *81=Ademco Express; *82=Ademco High Speed; *83=Ademco's Contact ID• To change to next page of program fields, press *94• To return to previous set of fields, press *99• To erase account & phone number field entries, press [*] + field number + [*]• To assign zone descriptors, press #93 + follow menu prompts• To add custom words, press #93 + follow menu prompts• To enter Installer's Message, press #93 + follow menu prompts• To exit program mode, press *99 OR *98: *99 allows re-access to programming mode by installer code. *98 prevents re-access to programming mode by installer code. |
|--|

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

Recommended Programming Procedure

The following is a step-by-step procedure recommended for programming your VISTA-128FB system.

- 1. Set the keypads (and other peripheral devices) to the appropriate addresses.**
- 2. Set factory defaults by pressing *97.**

This will automatically enable keypad addresses 00-01, so be sure at least one keypad is set to one of these addresses
- 3. Program system-wide (global) data fields.**

Using the programming form as a guide, enter program mode and program all system wide programming fields. These options affect the entire system, regardless of partitions. They include control options, downloader and dialer options, RF options, event logging options, etc. Refer to the COMPLETE LIST OF PROGRAMMING FIELDS for a listing of the program fields arranged by function.

Note that field 2*00 (number of partitions) must be programmed before continuing.
- 4. Program partition-specific fields.**

When the system-wide fields have been programmed, program all partition-specific programming fields by first pressing *91 to select a partition (while still in data field program mode). Then enter the first partition-specific field number *09. The next partition-specific field will automatically be displayed when you are finished entering the value for field *09. Partition-specific fields can have different values for each partition. To program the fields for the next partition, press *91, enter the desired partition number, then enter field *09. Refer to the MECHANICS OF PROGRAMMING section in the VISTA-128FB INSTALLATION INSTRUCTIONS for detailed instructions.
- 5. Use #93 Menu Mode for device programming.**

Refer to the DEVICE PROGRAMMING section to assign keypad ID numbers and default partitions for each keypad, and to selectively suppress certain keypad sounding options. Also use this mode to assign RF receivers, relay modules, the VIP module, the ecp Long Range Radio, and the Vista Gateway Module.
- 6. Use #93 Menu Mode for zone programming.**

Refer to the ZONE PROGRAMMING section 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 relays.**

Refer to the RELAY PROGRAMMING section to program desired relay operation.
- 8. Program Communication options.**

Refer to the COMMUNICATION PROGRAMMING section for further instructions to load communication defaults and to program related fields. Then use #93 mode to program report codes if necessary.
- 9. Use #93 Menu Mode for programming alpha descriptors.**

Refer to the ALPHA PROGRAMMING section to enter zone and partition descriptors and a custom installer's message.
- 10. Use #93 Menu Mode for relay voice descriptors and custom word substitutes.**

Refer to the RELAY VOICE DESCRIPTORS section for further instructions for programming relay descriptors to be annunciated by the VIP module, as well as the CUSTOM INDEX section for custom word substitutes.
- 11. Use #80 Mode for programming schedules.**

Refer to the SCHEDULING section to program open/close schedules, temporary and holiday schedules, limitation of access schedules, and time driven events.
- 12. Define user access codes.**

Refer to SECURITY ACCESS CODES section to program authority level, O/C reporting option, partition assignments, and wireless key assignments for each user.

13. Exit Programming Mode.

Exit programming mode by pressing either *98 or *99. Additional entries of *99 is required if the exit is being done from fields 1*00 and above.

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

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

Program Field Categories

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

Field	Group	Field	Group	Field	Group
*00	System-Wide	*68	Communications	1*56	System-Wide
*08	System-Wide	*69	Communications	1*57	System-Wide
*09	Partition-Specific	*70	Communications	1*58	System-Wide
*10	Partition-Specific	*71	Communications	1*60	System-Wide
*11	Partition-Specific	*72	Communications	1*70	System-Wide
*12	Partition-Specific	*73	Communications	1*71	System-Wide
*13	Partition-Specific	*74	Communications	1*72	System-Wide
*15	System-Wide	*75	Communications	1*73	System-Wide
*16	Partition-Specific	*76	Communications	1*74	System-Wide
*17	System-Wide	*79	Communications	1*75	System-Wide
*19	System-Wide	*80	Communications	1*76	Partition-Specific
*20	System-Wide	*83	Communications	1*77	System-Wide
*22	Partition-Specific	*84	Partition-Specific	2*00	System-Wide
*23	Partition-Specific	*85	Partition-Specific	2*01	System-Wide
*24	System-Wide	*87	Partition-Specific	2*02	System-Wide
*25	System-Wide	*88	Partition-Specific	2*05	Partition-Specific
*26	Communications	*89	Communications	2*06	Partition-Specific
*27	Communications	*90	Partition-Specific	2*07	Partition-Specific
*28	System-Wide	1*01	#93 Menu Mode	2*08	Partition-Specific
*29	Partition-Specific	1*02	#93 Menu Mode	2*09	Partition-Specific
*30	Communications	1*03	#93 Menu Mode	2*10	Partition-Specific
*31	Communications	1*04	#93 Menu Mode	2*11	System-Wide
*32	Partition-Specific	1*05	#93 Menu Mode	2*18	Partition-Specific
*33	Communications	1*06	#93 Menu Mode	2*19	Partitioning
*34	Communications	1*07	#93 Menu Mode	2*20	Partition-Specific
*35	System-Wide	1*08	#93 Menu Mode	2*21	System-Wide
*36	System-Wide	1*09	#93 Menu Mode	2*22	Partition-Specific
*37	System-Wide	1*17	System-Wide	2*23	Partition-Specific
*38	Partition-Specific	1*18	Partition-Specific	2*24	Partition-Specific
*39	Partition-Specific	1*19	Partition-Specific	3*00	System-Wide
*40	Communications	1*20	System-Wide	3*01	System-Wide
*41	System-Wide	1*21	System-Wide	3*12	System-Wide
*42	Communications	1*22	System-Wide	3*13	System-Wide
*43	Communications	1*23	System-Wide	3*14	System-Wide
*44	Communications	1*24	System-Wide	3*15	System-Wide
*45	Communications	1*25	System-Wide	3*16	System-Wide
*46	Communications	1*26	System-Wide	3*17	System-Wide
*47	Communications	1*28	System-Wide	3*18	System-Wide
*48	Communications	1*29	System-Wide	3*19	System-Wide
*49	Communications	1*30	System-Wide	3*20	System-Wide
*50	Communications	1*31	System-Wide	3*21	System-Wide
*51	Communications	1*33	Communications	3*30	System-Wide
*52	Communications	1*34	Communications	3*31	System-Wide
*53	Communications	1*42	Communications	3*50	System-Wide
*56	Communications	1*43	Partition-Specific	3*55	System-Wide
*57	Communications	1*44	System-Wide	3*56	System-Wide
*58	Communications	1*45	Partition-Specific	3*57	Partition-Specific
*59	Communications	1*47	Partition-Specific	3*59	Partition-Specific
*64	Communications	1*48	System-Wide	3*60	Partition-Specific
*65	Communications	1*49	System-Wide	3*61	System-Wide
*66	Communications	1*52	Partition-Specific	3*82	System-Wide
*67	Communications	1*53	System-Wide	3*85	System-Wide

VISTA 128FB Programming Form

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

***00** INSTALLER CODE
Enter 4 digits, 0-9 [5140]

***08** TEMPORAL SIREN PULSE [0]
1 = Yes; 0 = No

***09** ENTRY DELAY #1 [02]
00-15 times 15 seconds
Maximum "03" for UL Commercial Burglary installations.

***10** EXIT DELAY #1 [03]
00-15 times 15 seconds
Maximum "04" for UL Listed installations.

***11** ENTRY DELAY #2 [06]
00-15 times 15 seconds (must be longer than Entry Delay #1).
Maximum "03" for UL Commercial Burglary installations.

***12** EXIT DELAY #2 [08]
00-15 times 15 seconds (must be longer than Exit Delay #1)
Maximum "04" for UL Commercial Burglary installations.

***13** BELL 1 TIMEOUT [04]
01-15 times 2 minutes. Minimum 16 min. for UL Commercial Burglary and 6 min. for Commercial Fire.

***15** KEYSWITCH ASSIGNMENT [0]
Enter partition in which keyswitch used,
1-8; 9=Silences bells if fire present; 0=disable

***16** BELL 1 CONFIRMATION OF ARMING DING [0]
1=enable; 0=disable. Must be "1" for UL Burglary Installations.

***17** AC LOSS KEYPAD SOUNDING [0]
1=yes; 0=no

***19** RANDOMIZE AC LOSS REPORT [2]
1=10-40 min; 2=6-12 hrs; 0=normal report (about 2 min. after AC loss). Must be "2" for Central and Remote Station Fire alarm systems.

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

***22** KEYPAD PANIC ENABLE [001]
1=enable; 0=disable 995 996 999

***23** MULTIPLE ALARMS [1]
1=yes; 0=no

***24** IGNORE EXPANSION ZONE TAMPER [0]
1=Ignore; 0=Enable tamper for RF and RPMs. Must be "0" for UL installations if using these devices.

***25** BURG.TRIGGER FOR RESPONSE TYPE 8 [1]
1=enable; 0=disable

***26** INTELLIGENT TEST REPORTING [0]
1=yes, (no report sent if any other report was recently sent); 0=no.. Must be 0 for Commercial Fire & UL Commercial Burglary.

***27** TEST REPORT INTERVAL [024]
Enter interval in hours, 001-999; 000=no report ; Max. 024 for Commercial Fire & UL.

***28** POWER UP IN PREVIOUS STATE [1]
1=yes; 0=no; "1" for UL.

***29** QUICK ARM [1]
1=yes; 0=no

***30** MAIN DIALER (TOUCHTONE OR ROTARY) [0]
1=TouchTone; 0=rotary

***31** PABX ACCESS CODE
00-09; B-F (11-15)

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

***33** PRIMARY PHONE NUMBER

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

***34** SECONDARY PHONE NUMBER

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

***35** DOWNLOAD PHONE No.

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

***36** DOWNLOAD ID No.

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

***37 DOWNLOAD COMMAND ENABLES**

Dialer System Not Remote Remote Remote UploadDownload
 Shutdwn Shutdwn Used Bypass Disarm Arm Program Program
 See field 1*53 for Callback disable option; [1=enable];
 0=disable; For Commercial Fire & UL installations, all
 entries must be "0."

***38 PREVENT ZONE XXX BYPASS** [000]
 001-128; 00 if all zones can be bypassed

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

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

***41 NORMALLY CLOSED or EOLR (Zones 3-8)** [0]
 1=N.C.loops; 0=EOLR supervision; Must be "0" for
 Commercial Fire & UL.

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

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

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

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

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

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

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

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

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

***51 DUAL REPORTING** [0]
 1=yes; 0=no If used with Spilt Reporting "1" option (1*34),
 alarms and alarm restores go to both primary & secondary
 numbers, while all other reports go to secondary only. If used
 with Split Reporting "2" option, alarms and alarm restores go
 to both, open/close and test messages go to secondary only,
 while all other reports go to primary. If used with Split
 Reporting "3" option, fire alarms and fire supervisory signals
 go to both primary and secondary, while all other reports go to
 secondary only.

***52 STANDARD/EXPANDED REPORT FOR PRIMARY**

[0 0 0 0 0 0]
 Alarm Rstr Bypass Trbl Opn/Cls Low Bat
 0=standard; 1=expanded;
 Note: Expanded overrides 4+2 format.

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

[0 0 0 0 0 0]
 Alarm Rstr Bypass Trbl Opn/Cls Low Bat
 0=standard; 1=expanded;
 Note: Expanded overrides 4+2 format.

***56 USE LRR ONLY** [0]
 0=No, 1=Yes, if built-in dialer will not be used.

***57 LRR IF DIALER FAILS** [0]
 0=No, 1=Yes, if radio is to be used as a backup to dialer

***58 LRR ENABLE CS #1**
 [0 0 0 0 0 0]
 Alarm Trbl Byp O/C Syst Tst
 0=disable, 1=enable for reports for primary subs id of LRR

***59 LRR ENABLE CS#2**
 [0 0 0 0 0 0]
 Alarm Trbl Byp O/C Syst Tst
 0=disable, 1=enable for reports for secondary subs id of LRR

***64 PAGER INSTALLED** [0]
 0=No, 1=Yes, alpha numeric pager interface is installed.

***65 PAGER PHONE # FOR ALARMS**

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

***66 PAGER ID # FOR ALARMS**

 Enter up to 10 digits for the pager id #

***67 PAGER PHONE # FOR TROUBLES**

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

***68 PAGER ID # FOR TROUBLES**

 Enter up to 10 digits for the pager id #

***69 PAGER PHONE # FOR BYPASSES**

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

***70 PAGER ID # FOR BYPASSES**

 Enter up to 10 digits for the pager id #

***71** PAGER PHONE # FOR OPENS/CLOSES
[] [] [] [] [] [] [] [] [] []
[] [] [] [] [] [] [] []
Enter 0-9 for each digit. Enter #11 for *, #12 for #,
#13 for 2 second pause

***72** PAGER ID # FOR OPENS/CLOSES
[] [] [] [] [] [] [] [] [] []
Enter up to 10 digits for the pager id #

***73** PAGER PHONE # FOR SYSTEM
[] [] [] [] [] [] [] [] [] []
[] [] [] [] [] [] [] []
Enter 0-9 for each digit. Enter #11 for *, #12 for #,
#13 for 2 second pause

***74** PAGER ID # FOR SYSTEM
[] [] [] [] [] [] [] [] [] []
Enter up to 10 digits for the pager id #

***75** PAGER PHONE # FOR TEST
[] [] [] [] [] [] [] [] [] []
[] [] [] [] [] [] [] []
Enter 0-9 for each digit. Enter #11 for *, #12 for #,
#13 for 2 second pause

***76** PAGER ID # FOR TEST
[] [] [] [] [] [] [] [] [] []
Enter up to 10 digits for the pager id #

ZONE TYPE RESTORE ENABLES

*79 FOR ZONE TYPES 1-8	*80 FOR TYPES 9/10
[] [] [] [] [] [] [] []	[] []
1 2 3 4 5 6 7 8	9 10

1=enable; [0]=disable]

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

***84** SWINGER SUPPRESSION [03] [] []
01-15 alarms; Must be "00" (disabled) for UL.

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

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

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

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

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

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

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

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

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

1*21 EXIT DELAY RESET [0] []
0=No; 1=Resets Exit Delay to 60 seconds after zone is closed. Must be "0" for Commercial Fire & UL installations.

FIELDS 1*22-1*25: Allow four sets of two zones each to be linked so that both must fault within a five minute period to cause an alarm.

1*22 CROSS-ZONING PAIR ONE [] [] [] [] [] []

1*23 CROSS-ZONING PAIR TWO [] [] [] [] [] []

1*24 CROSS-ZONING PAIR THREE [] [] [] [] [] []

1*25 CROSS-ZONING PAIR FOUR [] [] [] [] [] []

1*26 PANIC BUTTON OR SPEEDKEY
[00, 00, 00, 00] [] [] [] [] [] []
A B C D
Enter speedkey macro # (01-35) 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*32 are not applicable to Commercial Fire or UL installations.

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

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

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

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

1*33 TOUCH-TONE W/ROTARY BACKUP [0] []
1=enable; 0=disable

1*34 COMM. SPLIT REPORT SELECTION [0] []
0=no; 1=alarms and alarm restores primary, others secondary; 2=open/close, test secondary, others primary; 3 = fire alarms & troubles primary, all secondary. See *51 for comments if using with dual reporting.

- 1*42** CALL WAITING DEFEAT [0]
1=Yes; 0=No.
- 1*43** PERM. KEYPAD BACKLIGHT [0]
1=enable; 0=disable When disabled, display lights when any key is pressed, and turns off after period of keypad inactivity.
- 1*44** WIRELESS KEYPAD [0]
TAMPER DETECT ENABLE 1=enable; 0=disable. Must be "0" for Commercial Fire and UL installations.
- 1*45** EXIT DELAY SOUNDING [0]
1=enable; 0=disable. Produces quick beeping during exit delay if enabled.
- 1*47** CHIME ON BELL 1 [0]
1=enable; 0=disable
- 1*48** WIRELESS KEYPAD ASSIGNMENT [0]
0=disable; enter partition in which RF keypad used, 1-8. Must be "0" for Commercial Fire and UL installations.
- 1*49** SUPPRESS TX SUPERVISION SOUND [1]
1=disable; 0=enable. Must be "0" for Commercial Fire and UL installations.
- 1*52** SEND CANCEL IF ALARM + OFF [0]
1=no restriction; 0=within bell timeout period only
- 1*53** DOWNLOAD CALLBACK [0]
1=callback not required; 0=callback required; Must be "0" for Commercial Fire and UL installations.
- 1*56** 50/60 Hz CLOCK SPEED [0]
1=50 Hz; 0=60 Hz.
- 1*57** ENABLE 5800 RF BUTTON GLOBAL ARM [0]
1=enable; 0=disable
- 1*58** 5800 RF BUTTON FORCE ARM [0]
Enter "1" to enable. If a zone is faulted after pressing button, console will beep once. User should press button again within 4 sec. to force bypass those zones. Enter "0" to disable.
Must be "0" for Commercial Fire and UL installations.
- 1*60** ZONE 5 AUDIO ALARM VERIFICATION [0]
Enter 1 If 2-way audio (AAV) is being used; Enter 0 if it is not.
Must be "0" for Commercial Fire and UL installations.
- 1*70** EVENT LOG TYPES [1 0 0 0 1 0]
Alm Chk Byp O/C Syst Test
1=enable; 0=disable
- 1*71** 12/24 HOUR TIME STAMP FORMAT [0]
0=12 hour; 1=24 hour
- 1*72** EVENT LOG PRINTER ON-LINE [0]
0=disable; 1=enable
- 1*73** PRINTER BAUD RATE 1=300; 0=1200 [0]
Must be 1200 if using pager interface

- 1*74** RELAY TIMEOUT XX MINUTES [000]
Enter the relay timeout, **0-127** in multiples of 2 minutes, desired for #80 Menu Mode time driven event relay command numbers "04/09" and #93 Menu Mode Relay Programming output command "56".

- 1*75** RELAY TIMEOUT YY SECONDS [000]
Enter the relay timeout, **0-127** seconds, desired for #80 Menu Mode time driven event relay command numbers "05/10" and #93 Menu Mode Relay Programming command "57".

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

- 1*77** LOG FIRST MAINTENANCE SIGNAL [0]
0=No Log; 1=Log first maintenance signal from each smoke detector

3rd Page Programming Fields (press *94)

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

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

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

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

- 2*06** AUTO-ARM WARNING PERIOD [15]
This is the time during which the user is warned to exit the premises prior to the auto-arming of the system (beeps every 15 seconds; "ALERT" displayed). Enter 01-15 minutes. 00=instant at end of arming delay .

- 2*07** AUTO-DISARM DELAY [15]
This is the time between the end of the disarming window and the start of auto-disarming. Enter 01-14 times 4 minutes; 00=instant at end of window; 15=no auto-disarm.

- 2*08** ENABLE FORCE ARM FOR AUTO-ARM [0]
0=disable; 1=enable

- 2*09** OPEN/CLOSE REPORTS BY EXCEPTION [0]
1=enable; 0=disable; If enabled, only openings and closings occurring outside the scheduled opening/closing windows will trigger dialer reports. Opening reports will also be suppressed during the closing window, in order to prevent false reports when the user arms the system and then reenters the premises to retrieve a forgotten item.

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

2*11 ALLOW DISARM OUTSIDE WINDOW [0]
 IF ALARM OCCURS
 Used only if field 2*10 (partition-specific field) is set to "1". If this field is enabled ("1") the system can be disarmed outside the disarm window if an alarm has occurred. If "0", disarming can only be done during the disarm window. If field 2*10 is set to "0" for a partition, this field has no effect for that partition.

2*18 ENABLE GOTO FOR THIS PARTITION [0]
 1=Allow log-on from other partitions; 0=disable

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

2*20 ENABLE J2 TRIGGERS by PARTITION [1]
 0=disable for displayed partition; 1=enable for displayed partition

2*21 ENABLE SUPERVISION PULSES FOR LRR
 TRIGGER OUTPUTS [00000]
 F B P S T
 Used for supervised connection to 7920SE.
 Enter 0 to disable or 1 to enable the listed outputs.
 F= Fire; B= Burglary; S= Silent panic/duress. Enter 1 for Commercial Burglary and UL.

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

2*23 DISPLAY BURG & PANIC ALARMS OF OTHER PARTITIONS [0]
 0=No; 1=Yes.

2*24 DISPLAY TROUBLES OF OTHER PARTITIONS [0]
 0=No; 1=Yes.

4th Page Programming Fields (press *94)

3*00 DISPLAY TRBL INSTEAD OF CHECK [0]

3*01 FIRE DISPLAY LOCK [0]
 0=scroll all alarms; 1=lock display of first fire alarm.

3*12 ZN TYPE 18 DELAY USE [1]
 0=Check Displayed; 1=Trbl Displayed

3*13 SUPV. N.O./N.C. SELECTION [0]
 0=Supv. on short/trouble on open; 1=supv. on short or open

3*14 WATERFLOW SILENCE OPTION [0]
 0=Silence on Code + OFF; 1=Silence when waterflow restores

3*15 ALARM BELL SOUND [1,0]
 0=pulsed; 1=steady Bell 1 Bell 2

3*16 DELAY for ZONE TYPES 17 & 18 [00]
 (Waterflow & Flre Supv) Enter 00-15 times 2 seconds

3*17 ALTERNATE FUNCTION (TAMPER) [0]
 FOR ZONE 6 0=disabled; 1=enabled

3*18 EXTENDED DELAY FOR TYPES 17&18 [0]
 0=No; 1=Yes

3*19 ENABLE J2 HEADER PRINTER PORT [0]
 0=pins 5&9 function as per field 3*20; 1=pins 5&9 act as printer RXD & DTR

3*20 TRIGGER OUTPUTS SELECTION [0]
 0= LORRA full connection & Remote Console Sounder; 1=LORRA limited conn. & Keyswitch LEDs; 2=LORRA fire only conn. & 5140LED

3*21 MAX # OF DIALER ATTEMPTS [8]
 1-8 (3, 4 or 5 for NFPA72 compliant systems when a secondary phone number is programmed (field *34)

3*30 DIALER SELECTION [1,0]
 1=enabled; 0=disabled Main Backup

3*31 BACKUP DIALER TOUCHTONE/ROTARY [0]
 1=TouchTone; 0=Rotary

3*50 ZONE TYPE RESTORE ENABLES
 FOR ZONE TYPES 16-18 16 17 18
 1 = enabled; [0 = disabled]

3*55 RESET ON SECOND OFF FOR BELL 1 [0]
 1 = enabled; 0 = disabled

3*56 RESET ON SECOND OFF FOR BELL 2 [0]
 1 = enabled; 0 = disabled

3*57 BELL 2 & AUX. RELAY CONFIRM
 ARM DING Bell 2 AUX.
 1=enable; [0=disable] . Must be 1 for UL Commercial Burglary.

3*59 ENABLE BELL 2 & AUX. RELAY CHIME ANNUNCIATION
 1=enable; [0=disable] Bell 2 AUX

3*60 BELL 2 & AUX. RELAY TIMEOUT
 00-15 times 2 minutes; 00=no timeout [00,00] Bell 2 AUX
 Must be minimum of 16 minutes for UL Burglary installations.

3*61 AUX. RELAY FUNCTION [1]
 0=Trouble/supervisory; 1=Alarm, silenced by code + OFF
 2=Smoke Detector Reset; 3=Battery Save; 4=Alarm, silenced by code + [#] + 67

3*82 ENABLE BURG. FEATURES ON PART. 1 [1]
 1=enable; 0=disable; "0" disables AWAY, STAY, MAX, TEST, INSTANT & CHIME functions

3*85 ENABLE FIRE & SYSTEM ZONE BYPASS [1]
 0=not enabled; 1=only installer can bypass; 2=only installer & master user can bypass. Applies to fire zone types 9, 16, 17 & 18 and system zones 70-77. Applies to Partition 1 only.

SUMMARY OF PROGRAMMING COMMANDS

- **To enter program mode**, enter installer code + [8] + [0] + [0] + [0]
- **To set standard defaults**, press *97
- **To set communication defaults**, press *94 + one of the following: *80=low speed; *81=Ademco Express; *82=Ademco High Speed; *83=Ademco's Contact ID
- **To change to next page of program fields**, press *94
- **To return to previous set of fields**, press *99
- **To erase account & phone number field entries**, press [*] + field number + [*]
- **To assign zone descriptors**, press #93 + follow menu prompts
- **To add custom words**, press #93 + follow menu prompts
- **To enter Installer's Message**, press #93 + follow menu prompts
- **To exit program mode**, press *99 OR *98: *99 allows re-access to programming mode by installer code. *98 prevents re-access to programming mode by installer code.

Partition-Specific Fields

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

To program these fields,

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

PARTITION # _____ PROGRAM FIELDS

1st Page Fields

- *09** ENTRY DELAY #1 [02]
 00-15 times 15 seconds. Maximum 03 for UL Listed installations.
- *10** EXIT DELAY #1 [03]
 00-15 times 15 seconds. Maximum 04 for UL Listed installations.
- *11** ENTRY DELAY #2 [06]
 00-15 times 15 seconds. Maximum 03 for UL Commercial Burglary installations.
- *12** EXIT DELAY #2 [08]
 00-15 times 15 seconds. Maximum 04 for UL Commercial Burglary installations.
- *13** BELL 1 TIMEOUT [04]
 01-15 times 2 minutes. Minimum 16 minutes for UL Commercial Burglary and 6 minutes for Commercial Fire installations.
- *16** CONFIRMATION OF ARMING DING [0]
 1=enable; 0=disable. Must be "1" for UL Commercial Burglary installations.
- *22** KEYPAD PANIC ENABLES [001]
 1=enable; 0=disable 995 996 999
- *23** MULTIPLE ALARMS [1]
 1=yes; 0=no. Enter 1 for Commercial Fire & UL Commercial Burglary installations.
- *29** QUICK ARM [1]
 1=yes; 0=no
- *32** PRIM. SUBS. ACCT #
 Enter 00-09; B-F (11-15) [15 15 15 15]
- *38** PREVENT ZONE XXX BYPASS [000]
 001-128; 000 if all zones can be bypassed
- *39** ENABLE OPEN/CLOSE REPORT [1]
 FOR INSTALLER CODE
 1=enable; 0=disable
- *84** SWINGER SUPPRESSION [03]
 01-15 alarms; Must be "00" (disabled) for Commercial Fire & UL installations..
- *85** ENABLE DIALER REPORTS [0]
 FOR PANICS & DURESS 995 996 999 Duress
 1=enable; 0=disable
- *87** ENTRY WARNING [0]
 1=continuous; 0=3 beeps
- *88** BURG. ALARM COMM. DELAY [0]
 1=16 seconds; 0=no delay. Must be "0" for UL Commercial Burglary installations.
- *90** SEC. SUBS. ACCT #
 Enter 00-09; B-F (11-15) [15 15 15 15]
- 1*18** AFFECTS LOBBY [0]
 Enter 1 if this partition affects the common lobby; enter 0 if it does not.
- 1*19** ARMS LOBBY [0]
 Enter 1 if arming this partition attempts to arm lobby; enter 0 if it does not

2nd Page Fields

- 1*26** PANIC BUTTON OR SPEEDKEY
 [00, 00, 00, 00]
 A B C D
 Enter speedkey macro # (01-35) to use keys A-C for macro. Otherwise enter 00 to use as panic. For D key, enter macro # or 00 to select macro when key is pressed.
- 1*43** PERM. KEYPAD BACKLIGHT [0]
 1=enable; 0=disable When disabled, display lights when any key is pressed, and turns off after period of keypad inactivity.
- 1*45** EXIT DELAY SOUNDING [0]
 1=enable; 0=disable Produces quick beeping during exit delay if enabled.
- 1*47** CHIME ON BELL 1 [0]
 1=enable; 0=disable
- 1*52** SEND CANCEL IF ALARM + OFF [0]
 1=no restriction; 0=within Bell Timeout period only
- 1*76** ACCESS CONTROL RELAY FOR PART. [00]
 Relay will be pulsed for 2 seconds whenever code + [0] is pressed. Enter 00-16; 00=none. Must be "00" for Commercial Fire & UL.

3rd Page Fields

2*05 AUTO-ARM DELAY [15]

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

2*06 AUTO-ARM WARNING PERIOD [15]

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

2*07 AUTO-DISARM DELAY [15]

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

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

0=disable; 1=enable.

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

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

2*10 ALLOW DISARMING ONLY DURING [0]

ARMING/DISARMING WINDOWS

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

2*18 ENABLE GOTO FOR THIS PARTITION [0]

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

2*20 ENABLE J7 TRIGGERS by PARTITION [1]

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

2*22 DISPLAY FIRE ALARMS OF [0]

OTHER PARTITIONS

0=No; 1=Yes

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

OTHER PARTITIONS

10=No; 1=Yes

2*24 DISPLAY TROUBLES OF OTHER [0]

PARTITIONS

0=No; 1=Yes

4th Page Fields

3*57 BELL 2 & AUX. RELAY CONFIRM

ARM. DING 1=enable; [0=disable]
Must be "1" for UL.

Bell 2 Relay

3*59 ENABLE BELL 2 & AUX. RELAY

CHIME ANNUNCIATION 1=enable; [0=disable]

Bell 2 Relay

3*60 BELL 2 & AUX. RELAY TIMEOUT

00-15 times 2 minutes; 00=no timeout [00,00]
Minimum 16 min. for UL Burglary installations.

Bell 2 Relay

SUMMARY OF PROGRAMMING COMMANDS

- **To enter program mode**, enter installer code + [8] + [0] + [0] + [0]
- **To set standard defaults**, press *97
- **To set communication defaults**, press *94 + one of the following: *80=low speed; *81=Ademco Express; *82=Ademco High Speed; *83=Ademco's Contact ID
- **To change to next page of program fields**, press *94
- **To return to previous set of fields**, press *99
- **To erase account & phone number field entries**, press [*] + field number + [*]
- **To assign zone descriptors**, press #93 + follow menu prompts
- **To add custom words**, press #93 + follow menu prompts
- **To enter Installer's Message**, press #93 + follow menu prompts
- **To exit program mode**, press *99 OR *98: *99 allows re-access to programming mode by installer code. *98 prevents re-access to programming mode by installer code.

Programming With #93 Menu Mode

#93 Main Menu Options



The following field should be programmed before beginning: 2*00: Number of Partitions.

UL

For commercial fire and UL Installations, verify that wireless and audio alarm verification features are disabled.

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 options, which are as follows:

ZONE PROG? 0=No 1=Yes

For programming the following:

- Zone number
- Zone response type
- Partition number for zone
- Dialer Report Code for zone
- Bell/aux. relay assignment for zone
- Input device type for zone (whether RF, polling loop, etc.)
- Enrolling serial numbers of 5800 Series transmitters and serial polling loop devices into the system (all other zone characteristics must be pre-programmed).

SEQUENTIAL LEARN? 0=No 1=Yes

For programming the following:

- Input device type for zone (whether RF, polling loop, etc.)
- Enrolling serial numbers of 5800 Series transmitters and serial polling loop devices into the system (all other zone characteristics must be pre-programmed).

REPORT CODE PROG? 0=No 1=Yes

For programming the following:

- Alarm report codes for zones
- Restore and supervisory codes
- All other system report codes

ALPHA PROG? 0=No 1=Yes

For entering alpha descriptors for the following:

- Zone descriptors
- Installer's message
- Custom words
- Partition descriptors

Relay descriptors

DEVICE PROG? 0=No 1=Yes

For defining the following device characteristics for addressable devices, including keypads, RF receivers (5881), 4204/4204CF Output Relay Modules, 4285/4286 VIP Module and VGM:

- Device address
- Device type
- Keypad options (includes partition assignment)
- RF House ID

RELAY PROG? 0=No 1=Yes

For defining output relay functions.

RLY VOICE DESCR? 0=No 1=Yes

For entering voice descriptors for relays to be used with the 4285/4286 VIP Module.

CUSTOM INDEX ? 0=No 1=Yes

For creating custom word substitutes for VIP Module annunciation.

CLEAR RF SERIAL#? 1=Yes 0=No

For deleting all RF serial numbers presently enrolled in the system.

Press **0** (NO) or **1** (YES) in response to the displayed menu selection. Pressing 0 will display the next choice in sequence. Refer to the *Zone Programming* part of this section for instructions on how to program zone characteristics; the *Device Programming* part of this section for instructions on how to program addressable devices; and the *Alpha Programming* part of this section for programming alpha descriptors.

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

#93 Menu Mode Key Commands

#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.
000	Escapes from Menu Mode, back into Data Field Programming Mode, if entered at the first prompt of each main menu option.

Zone Programming

Enter Programming Mode [**Installer Code**] + **8 0 0 0**. The following field should be programmed before beginning:

- **2*00**: Number of Partitions.

Also, before programming wireless zones, the RF receiver must be enabled in *Device Programming* (see later in this section).

Then press #93 to display "ZONE PROG?".

ZONE PROG? 1=Yes 0=No

Press **1** to enter Zone Programming. The following screens will appear. Press [*] to display the next screen. Press # to display a previous screen.



If the system has been set up to use 5800 Series RF, and a program tool has not been programmed, the following "PROGRAM TOOL" prompt will be displayed. If the system has not been set up to use 5800 Series RF or a program tool has already been programmed, the system will advance to the "ENTER ZN NO." prompt.

PROGRAM TOOL?
0 = NO, 1 = YES 0

If a program tool is being used, enter **1**. If not using a tool, enter **0**. When a **0** is entered, the system will advance to the ENTER ZN NO. prompt.

000 INPUT S/N: L
Axxx-xxxx

If **1** is entered, the system will prompt for the unit's serial number. Enter the program tool's serial number using one of the following methods:

a) Enter the 7-digit serial number for the transmitter.

Or

b) Press any button on the transmitter. The keypad should beep three times and display the serial number of the tool.

000 PROG AS BR: 3
A123-4567 3

In this example, the serial number is A123-4567. Once enrolled, the upper left-hand button of the program tool can be pressed to ready the system for enrolling a device into the system.

The serial number for the program tool will only remain in the system until the programming mode is exited. (Entering *97 will not delete the tool.)

Press [*] to continue, or press the [#] key to back the system up to the "PROGRAM TOOL?" prompt.

ENTER ZN NO.
000 = QUIT 010
Zone 010 entered ↑

Enter the 3-digit zone number to be programmed (protection zones 001-032, relay zones 601-696†, ECP device supervisory zones 800-831, system supervision zones 988, 990, 992 [duress], 997, or keypad panic zones 995, 996, 999).

Press [*] to accept entry.

010 ZT P RC B INL
00 - - - - -

A display will appear, showing a summary of that zone's programming. ZT=Zone Type, P=Partition, RC=Report Code, B = Bell/Aux Relay assignment for zone, IN=the input type of device, and L=the device's loop number to which the sensor is connected. Some devices can support more than one zone by means of individual loops (for example 5801, 5804, 5816, 5817, etc.). If the zone is not programmed, the display will appear as shown here. If checking a zone's programming, and it is programmed satisfactorily, press [#] to back up one step and enter another zone number, if desired.

Otherwise, press [*] to continue.



Do not install batteries in wireless transmitters until ready to enroll. After enrolling, batteries need not be removed.

↓ Zone Number

010 ZONE RESPONSE Perimeter 03

Zone Type 03 entry shown

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 for detailed definitions of each zone type. Enter the zone type desired (or change it, if necessary). Available zone types are listed below.

00 = Assign for Unused Zones	17 = Fire Waterflow
01 = Entry/Exit #1, Burglary	18 = Fire Supervisory
02 = Entry/Exit #2, Burglary	19 = 24-Hour Trouble
03 = Perimeter, Burglary	20 = Arm-STAY†
04 = Interior Follower, Burglary	21 = Arm AWAY†
05 = Trouble Day/Alarm Night	22 = Disarm†
06 = 24-Hr. Silent Alarm	23 = No Alarm Response (e.g., relay activation)
07 = 24-Hr. Audible Alarm	27 = Access Point
08 = 24-Hr. Auxiliary	28 = MLB Supervision (if VGM installed)
09 = Fire Without Verification	
10 = Interior Delay, Burglary	
16 = Fire With Verification	

† These are special zone types used with 5800 Series Wireless Pushbutton Units which will result in arming the system in the STAY or AWAY mode, or disarming of the system, depending on the selection made.

Press [*] to continue.

010 ACCESS POINT (00-31) 01

If response type 27 was selected, this prompt will be displayed. Enter the access point to be controlled by the input type (**00-31**).

010 ENTRY OR EXIT 0

Select whether the access point is an entry or exit point.
0 = entry
1 = exit

010 PARTITION 2

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 for more information about report codes and report code formats.)

Press [*] to continue.

010 BELL/RLY? 0 = NO, 1 = YES 0

Each zone can be assigned to activate either one or both bell outputs and/or the system's auxiliary relay. Enter one of the following assignments:

0=none; 1=Bell 1; 2=Bell 2; 3=Bells 1 & 2; 4=Aux Relay; 5=Bell 1 & Aux Relay; 6=Bell 2 & Aux Relay; 7=Bells 1 & 2 & Aux Relay.

Press [*] to continue.

010 INPUT TYPE
RF Xmitter 3

Note that input types 4 & 5 are valid for certain 5800 Series transmitters only (e.g., 5801, 5802, 5802CP & 5803). Input type 10 is applicable only if PassPoint ACS is installed with the Vista Gateway Module.

Enter the input device type as follows:

- 00 = not used
- 01 = hardwired
- 03 = supervised RF transmitter (RF type)
- 04 = unsupervised RF transmitter (UR type)
- 05 = RF button-type transmitter (BR type)
- 06 = serial number polling loop device (SL type)
- 07 = DIP switch-type polling loop device
- 08 = right loop of DIP switch-type device.
- 09 = keypad input (code + #73, code + #74)
- 10 = PassPoint ACS input

Right loops refer to the use of the right loop on a 4190WH Zone Expander Module and/or 4278 PIR, which allow hardwired devices to be monitored by the polling loop.

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

Press [*] to continue.

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

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

010 CONS ECP ADDR
(01-31) 01

If input type 09 was selected, this prompt will be displayed. Enter the ECP address of the keypad that is being used for entry/exit for this access point (**01-31**).

010 ACS ZONE NO
(00-31) 01

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

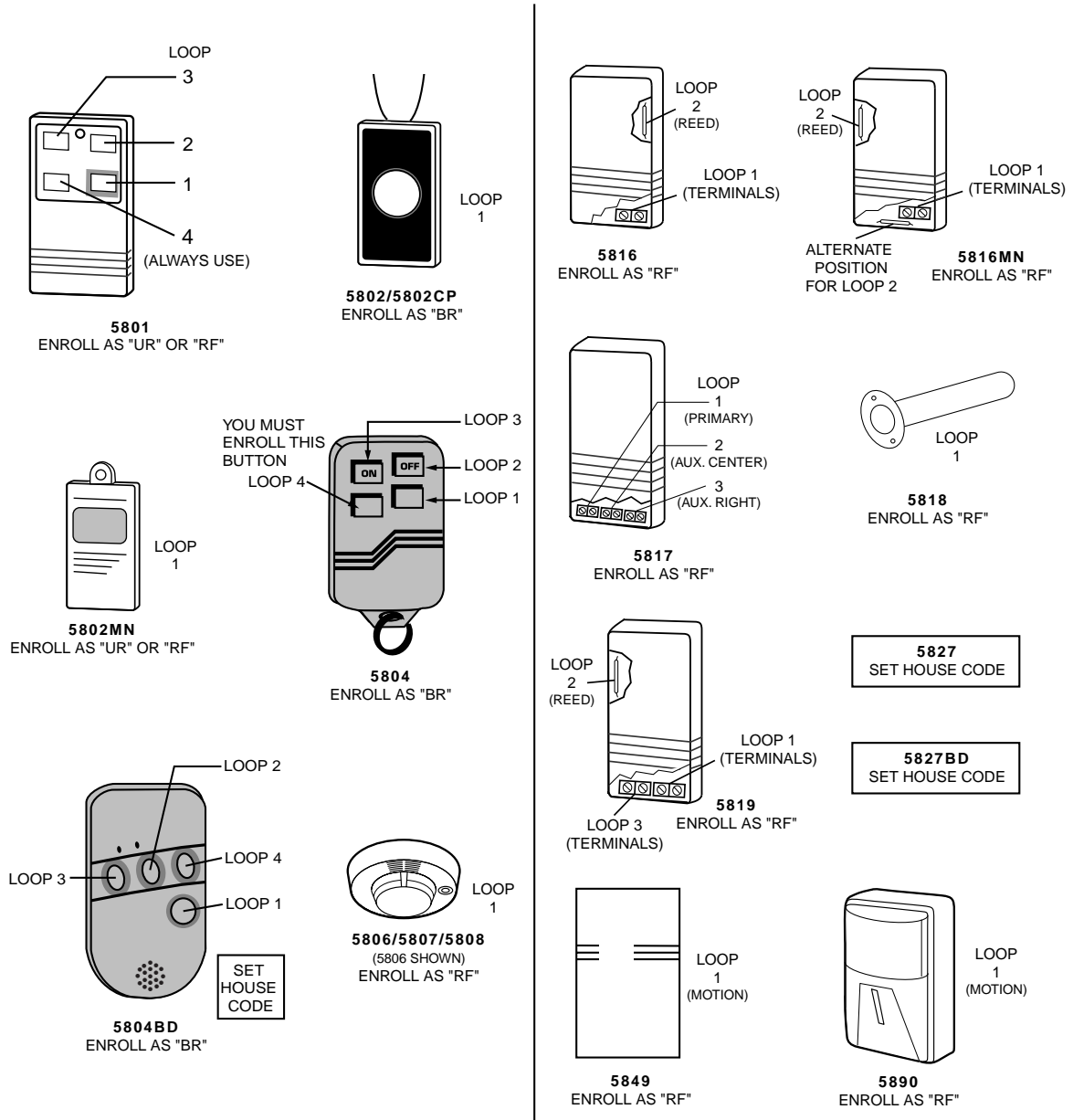
010 SMART CONTACT
1 = YES 0 = NO

If input type selected was a serial number type, this prompt will be displayed. Enter **1** for devices that monitor maintenance signals (e.g., 4192SDM, 4192SDTM, 4192CPM, 5808). Otherwise, enter **0**. Press [*] to continue.

010 LOOP#?
1

The cursor should now be flashing on the loop number. The default is 1. To accept this, press [*]. If a different loop number is being used on this device, enter the loop number (1-4) and press [*] to continue. (The loop designations for various RF transmitters are shown on the next page). **The loop number must be entered here, whether using Zone Programming or Sequential Mode to "enroll" serial numbers.** If you want to delete the serial number, enter **0** and press [*]. The system will then prompt, "DELETE S/N?" Press **1** (YES) to complete the delete sequence. This process deletes the serial number only, *not* the loop number. The assumption is that the proper loop number was programmed, but the wrong serial number was enrolled.

5800 Series RF Transmitter Loop Designations



010 LEARN S/N?	
1 = YES, 0 = NO	1

If the device's serial number has not been previously "enrolled," you may enter the enrollment mode now by either entering **1** (YES) *or* by pressing the upper left-hand button of the program tool. **If using the program tool, move to the physical location of the device to be enrolled before pressing the button.** A single short beep will verify that the button has been pressed. The system will respond to the first serial number transmitted after the 1 key on the keypad or the button of the program tool is pressed. Enter **0** (NO) to enroll later. (If 0 is entered, the system will advance to the summary screen prompt.)

010 INPUT S/N
Axxx-xxxx

This prompt is displayed if 1 (YES) is entered in response to the "LEARN S/N?" prompt. The serial number may be enrolled by one of two methods:

- a) Enter the 7-digit serial number printed on the device using an alpha keypad.
- or
- b) Activate the device by faulting *or* restoring the input you wish to use for that zone (e.g., press a button, open or close a door, etc.).

010 INPUT S/N
A022-4064

The system will enroll the serial number of the first device heard.



If the serial and loop number combination is already present in the system, the keypad will sound a single long beep and display the word "DUPLICATE" along with the serial number, and the number of the zone containing the serial/loop number combination.

The system will then enter an optional 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. **We recommend that you confirm the programming of every device before proceeding to the next zone.**

010 CONFIRM RF:1
A022-4064 1

When the system sees activity on the appropriate input, it will beep three times and display the confirmation message.



At any time during this step, you may press the [*] key on the keypad or the upper left-hand button of the program tool if you are satisfied with the serial and loop number combination that has been enrolled, regardless of whether or not the enrolled input has been "confirmed."

If the incorrect device has been enrolled, press the [#] key on the keypad or upper right-hand button on the program tool to delete the serial number and return to the "LEARN S/N" prompt. A single long beep will be heard from the keypad to verify pressing of the upper right-hand button. Then, press 1 (Yes) or press the upper left-hand button of the program tool (a single short beep will verify the system is ready for enrolling) and re-activate the proper device loop input.

010 ZT P RC B INL
s 03 2 3C 0 RF1

The summary screen for the zone will appear. Note that an "s" indicates that a serial number has, in fact, been enrolled. Press [*] to accept the zone information.

If you want to delete the serial number, press [#]. This will bring you back to the "INPUT TYPE" prompt. Press [*] to change input type, loop number, and serial number.



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

Sequential Mode Programming

Usually, serial numbers are enrolled during *Zone Programming*. If not, use #93 Menu Mode to enroll serial numbers (for example, if all other programming was done via downloading).



Use this mode only after all other zone information has been programmed, including transmitter loop numbers.

1. Enter Data Field Programming Mode: [Installer Code] + **8 0 0 0**.
2. From Data Field Programming Mode, press **#93** to display the "ZONE PROG?" prompt.
3. Press **0** (NO) repeatedly until the "SEQUENTIAL LEARN?" prompt appears.

SEQUENTIAL LEARN? 0=no 1=yes

To enroll or delete a device's serial number, enter **1** (yes). Enter **0** to skip to the next main menu option.



If the system has been set up to use 5800 Series RF, and a program tool has not been programmed, the following "PROGRAM TOOL" prompt will be displayed. If the system has not been set up to use 5800 Series RF or a program tool has already been programmed, the system will advance to the "TECHNOLOGY TYPE" prompt.

PROGRAM TOOL? 0 = NO, 1 = YES 0

If a program tool is being used, enter **1**. If not using a tool, enter **0**. When a 0 is entered, the system will advance to the "TECHNOLOGY TYPE" prompt.

000 INPUT S/N: L Axxx-xxxx

If **1** is entered, the system will prompt for the unit's serial number. Enter the program tool's serial number using one of the following methods:

- a) Enter the 7-digit serial number for the transmitter.
or
- b) Press any button on the transmitter. The keypad should beep three times and display the serial number of the tool.

000 PROG AS BR: 3 A123-4567 3

In this example, the serial number is A123-4567. Once enrolled, the upper left-hand button of the program tool can be pressed to ready the system for enrolling a device into the system.

The serial number for the program tool will only remain in the system until the Programming Mode is exited. (Entering *97 will not delete the tool.)

Press [*] to continue or press the [#] key to back the system up to the "PROGRAM TOOL ?" prompt.

TECHNOLOGY TYPE WIRELESS 0

Default ↑

Enter the type of device(s) to be enrolled as follows:

0 = Wireless (Default)

1 = Polling Loop

2 = Both

Press [*] to continue.

ENTER ZN NO.
(000 = QUIT) 010
Zone Number Entered ↑

Enter the first zone number to be enrolled (e.g., zone 010).
Press [*] to continue.

The system will, starting with this zone number, search for the first device which has **all** of the following attributes pre-programmed in *Zone Programming*:

- a) **An input type of RF, UR, BR, or SL (if serial polling loop devices enabled) programmed**
- b) **A loop number programmed**
- c) **No serial number programmed**



If the first zone number entered does **not** have **all** of the above attributes, the system will search its database for the first zone that does and will display it on the next screen.

010 INPUT S/N
Axxx xxxx

This prompt is displayed when the system has found the next zone which needs to be enrolled. The system will respond to the first serial number transmitted. A serial number may be enrolled by one of two methods:

- a) Enter the 7-digit serial number printed on the device.
or
- b) Activate the device by faulting or restoring the input you wish to use for that zone (e.g., press a button, open or close a door, etc.).



If you do **not** wish to enroll the zone displayed, press [#] on the keypad or the upper right-hand button on the program tool (a long beep will be heard to verify). The following prompt will appear:

010 LEARN S/N?
0 = NO, 1 = YES 0

To enroll now, enter **1** (YES). If **0** (NO) is entered, the following prompt will appear:

ENTER ZN NUM.
(000 = QUIT) 010
Zone Number Entered ↑

Enter the next zone number to be enrolled (e.g., zone 010). The system will search for that zone and will display the "ENTER ZONE NO." prompt.

If you wish to exit the enrollment mode completely, enter **000** and press [*].

010 INPUT S/N
A 022-4064
↑
Serial #

The system will enroll the first serial number heard, display the serial numbers, and cause the keypad to beep twice.



If the serial and loop number combination is already present in the system, the keypad will sound a single long beep and display the word "DUPLICATE" along with the serial number, and the number of the zone containing the serial/loop number combination.

The system will then enter an optional 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. **We recommend that you confirm the programming of every device before proceeding to the next zone.**

010 CONFIRMED SL:1
A022-4064

When the system sees activity on the appropriate input, it will beep three times and display the confirmation message. Press [*] or the upper left-hand button of the program tool when you are ready to enroll the next serial number device.



At any time during this step, you may press [*] on the keypad or the upper left-hand button of the program tool if you are satisfied with the serial and loop number combination that has been enrolled, regardless of whether or not the enrolled input has been "confirmed." This will ready the system to enroll the next serial number device.

If the incorrect device has been enrolled, press [#] on the keypad or the upper right-hand button of the program tool to delete the serial number and return to the "LEARN S/N?" prompt. A single long beep will be heard from the keypad to verify pressing of the upper right-hand button. Then, press 1 (Yes) or press the upper left-hand button of the program tool (a single short beep will verify the system is ready for enrolling) and re-activate the proper device or device loop input.

The system will search for the next zone that does not have a serial number associated with it. If one is found, the system will return to the "INPUT S/N" prompt for the remaining zones.

After all zones have been displayed, whether enrolled or not, the "ENTER ZN NO." prompt will appear. Enter **000** to exit the Sequential Mode and return to Data Field Programming Mode.



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

Report Code Programming

All report codes are entered using *#93 Menu Mode Programming*, either through *Report Code Programming*, or through the *Zone Programming* while entering other zone information. In the VISTA-128FB, reports are divided into six categories. These categories represent the main menu options found in the *Report Code Programming*. Reports and the categories in which they are found are as follows:

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

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

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

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

REPORT CODE PROG 1 = YES 0 = NO 0

Press **1** (Y) to enter to *Report Code Programming*.

Zone Alarm Reports

ALARM, ID DIGIT? 1 = YES 0 = NO 0

Press **1** (Y) to enter Alarm Report Codes for zones. Press **0** (N) to skip to the next main menu option.

ENTER ZONE NO. 000 = QUIT 001

Enter the zone number for which you are entering the report code.

Press [*] to continue.

001 REPORT CODE 1st 00 2nd 00 000

Enter the first digit of the Alarm report code (double-digit entry) and press [*]. Enter the 2nd digit of the Alarm Report code.

Press [*] to continue.

ENTER ZONE NO. 000 = QUIT 001

Enter the zone number for which you are entering the report code. When all zone Alarm Codes have been programmed, enter 000 to Quit.

Press [*] to continue.

QUIT REPORT MENU 1 = YES 0 = NO 0

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

Press [*] to continue.

Restore/Supervisory Codes

RESTR, SUPV. CODE 1 = YES 0 = NO 0

Press **1** (Y) to enter Restore and Supervisory Codes for zones.

ENTER ZN FOR GRP 000 = QUIT 001

Enter one zone for each group of 16 zones (001-016, 017-032, etc.).

ALARM RESTORE GRP 001-016 000

Enter the first digit of the Alarm Restore Report Code for this group of zones (double-digit entry). The second digit will be the ID (second) digit of the Alarm Report Code for each zone (if programmed).

Press [*] to continue.

TROUBLE GRP 001-016 000

Enter the first digit of the Trouble Report Code for this group of zones (double-digit entry). The second digit will be the ID (second) digit of the Alarm Report Code for each zone (if programmed).

Press [*] to continue.

TROUBLE RESTORE
GRP 001-016 000

Enter the first digit of the trouble restore code (single-digit entry) and press [*]. The second digit will be the ID (second digit of the alarm report code for each zone (if programmed). Press [*] to continue.

BYPASS
GRP 001-016 000

Enter the first digit of the Bypass Report Code (double-digit entry) and press [*]. The second digit will be the ID (second digit of the Alarm Report Code for each zone (if programmed). Press [*] to continue.

BYPASS RESTORE
GRP 001-016 000

Enter the first digit of the Bypass Restore Report Code (double-digit entry) and press [*]. The second digit will be the ID (second) digit of the Alarm Report Code for each zone (if programmed). Press [*] to continue.

ENTER ZN FOR GRP
000 = QUIT 017

Enter one zone for each group of 16 zones. When finished entering Restore and Supervisory Codes for all zone groups, enter **000**. Press [*] to continue.

QUIT REPORT MENU
1 = YES 0 = NO 0

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

System Group 1 Codes

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

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

CLOSE
1st 00 2nd 00

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

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

- Opening (Disarm)
- System Low Battery
- Low Battery Restore
- AC Loss
- AC Restore
- Periodic Test
- Power
- Cancel
- Program Tamper

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

QUIT REPORT MENU
1 = YES 0 = NO 0

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

System Group 2 Codes

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

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

STAY 1st 00 2nd 00

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

Press [*] to continue.

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

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

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

QUIT REPORT MENU 1 = YES 0 = NO 0

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

Press [*] to continue.

System Group 3 Codes

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

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

EARLY OPEN 1st 00 2nd 00

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

Press [*] to continue.

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

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

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

QUIT REPORT MENU 1 = YES 0 = NO 0

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

Press [*] to continue.

System Group 4 Codes

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

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

WALK TEST START 1st 00 2nd 00

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

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

- Walk-Test End
- Off-Normal

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

QUIT REPORT MENU 1 = YES 0 = NO 0

If you have completely finished entering report codes, press **1** (Y) to quit *Report Code Programming*.

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

General Information

- You can program a user-friendly English language description/location for all protection zones, relays, keypad panics, polling loop short, and RF receiver supervision troubles.
- Each description can be composed of a combination of words (up to 3) that are selected from a vocabulary of 244 words stored in memory, and any word can have an "s" or "'s" added to it.

NOTE: Due to the use of 3-digit zone numbers, the first word of the descriptor is limited to 6 characters if you want it to fit on the top line of the display.

- In addition, up to 20 installer-defined words can be added to those already in memory. Thus, when an alarm or trouble occurs in a zone, an appropriate description for the location of that zone will be displayed at the keypad.
- A custom installer's message can be programmed for each partition which will be displayed when the system is "Ready" (e.g., THE PETERSON'S).

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

There are 5 sub-menu selections that will be displayed one at a time.

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

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

ZONE DESCRIP?	for entering zone descriptors.
---------------	--------------------------------

DEFAULT SCREEN?	for creating custom message; displayed when system ready.
-----------------	---

CUSTOM WORD?	for creating custom words for use in descriptors.
--------------	---

PART DESCRIP? for creating 4-character partition names.

EXIT EDIT MODE? Press **1** to exit back to #93 Menu Mode.

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

Zone Descriptors

1. **Select ZONE DESCRIPTOR mode.**

The keypad keys perform the following functions:

- [3] Scrolls both alphabet and actual words in ascending alphabetical order.
- [1] Scrolls both alphabet and actual words in descending alphabetical order.
- [2] Adds or removes an "s" or " 's " to a vocabulary word.
- [6] Switches between alphabet and actual word list; used to accept entries.
- [8] Saves the zone description in the system's memory.
- [#] [#] plus zone number displays the description for that zone.

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

For example key **[*]001** to begin entering the description for Zone 1, (key **[*]002** for Zone 2, **[*]003** for Zone 3 etc.). The following will be displayed: * ZN 001 A.

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

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

Use one of two methods as follows:

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

- a) Press **[#]** followed by the 3-digit number of the first word from the fixed dictionary shown later in this section (e.g., **[0][1][3]** for BACK). Press **6** in order to accept the word and proceed, or press **8** to store the complete descriptor and exit;
or
- b) Select the first letter of the desired description (note that "A" is already displayed). Use the **3** key to advance through the alphabet and the **1** key to go backward. Press **3** key repeatedly until "B" appears (press **1** to go backwards if you happen to pass it), then press **6** to display the first available word beginning with B. Press **3** repeatedly to advance through the available words until the word BACK is displayed.



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

4. **Accept the word.**

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

5. **Select the next word.**

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

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

6. Store the descriptor.

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

To review the zone descriptors, key [#] plus zone number (e.g., #001).

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

7. Exit Zone Description Mode: enter 000.

Custom Words

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

1. Select CUSTOM WORD Mode. The keys perform the following functions:

[3] Advances through alphabet in ascending order.

[1] Advances through alphabet in descending order.

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

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

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

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

[*] Returns to Description Entry Mode.

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

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

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

- a) Press [#], followed by the 2-digit entry for the first letter you would like to display (e.g., **6 5** for "A").

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

or

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

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

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

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

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

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

Each word or word string cannot exceed 10 characters.

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

This will return you to the "CUSTOM WORD?" display. The custom word (or string of words) will be automatically added to the built-in vocabulary at the end of the group of words beginning with the same letter.

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

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

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

Partition Descriptors

1. Select "Part DESCRIPT." Mode. The system will ask for the partition number desired. Enter the number as a single-key entry **1-8**.
2. Follow the same procedure as for custom words, except that partition descriptors are limited to 4 characters (e.g., WHSE for warehouse).

Custom Message Display (Installer's Message)

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

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

Part or all of the above message can be modified to create a custom installer message for each partition. For example, "****DISARMED****" on the first line or "READY TO ARM" on the second line could be replaced by the installation company name or phone number for service. Note that there are only 16 character spaces on each of the two lines. To create a custom display message, proceed as follows:

1. Select Default Screen Mode.

The keypad will ask for the partition number for this message.

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

The following will appear:

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

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

2. Create the message.

For example, to replace "READY TO ARM" with the message

"SERVICE 424-0177," proceed as follows:

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

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

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

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

3. Save the message.

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

4. The system will ask for a new partition number.

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

Alpha Descriptor Vocabulary

(For Entering Alpha Descriptors. To select a word, press [#] followed by the word's 3-digit number.)

NOTE: This vocabulary is not to be used for relay voice descriptors. See the RELAY VOICE DESCRIPTORS section when programming relay voice descriptors.

- | | | | | |
|------------------|-------------------|---------------|-------------------|--------------------|
| 000 (Word Space) | • 054 DEN | 107 HOUSE | • 157 PHONE | • 211 TOOL |
| • 001 AIR | 055 DESK | | 158 PHOTO | 212 TRANSMITTER |
| • 002 ALARM | • 056 DETECTOR | 108 INFRARED | 159 POINT | 213 TRAP |
| 003 ALCOVE | 057 DIALER 1 | • 109 INSIDE | 160 POLICE | 214 TRIGGERS |
| 004 ALLEY | 058 DIALER 2 | 110 INTERIOR | 161 POOL | |
| 005 AMBUSH | • 059 DINING | 111 INTRUSION | • 162 POWER | 215 ULTRA |
| 006 ANTENNA | 060 DISCRIMINATOR | | 163 QUAD | • 216 UP |
| • 007 AREA | 061 DISPLAY | 112 JEWELRY | 164 RADIO | • 217 UPPER |
| • 008 APARTMENT | 062 DOCK | • 113 KITCHEN | • 165 REAR | • 218 UPSTAIRS |
| 009 ART | • 063 DOOR | | 166 RECREATION | • 219 UTILITY |
| • 010 ATTIC | 064 DORMER | • 114 LAUNDRY | 167 REFRIG | 220 VALVE |
| 011 AUDIO | • 065 DOWN | • 115 LEFT | 168 REFRIGERATION | 221 VAULT |
| 012 AUX | • 066 DOWNSTAIRS | 116 LEVEL | 169 RELAY 1 | 222 VIBRATION |
| 013 AUXILIARY | 067 DRAWER | • 117 LIBRARY | 170 RF | 223 VOLTAGE |
| | • 068 DRIVEWAY | • 118 LIGHT | • 171 RIGHT | 224 WALL |
| • 014 BABY | 069 DRUG | 119 LINE | • 172 ROOM | 225 WAREHOUSE |
| • 015 BACK | • 070 DUCT | 120 LIQUOR | 173 ROOF | 226 WASH |
| • 016 BAR | | • 121 LIVING | | • 227 WEST |
| 017 BARN | • 071 EARTH | • 122 LOADING | 174 SAFE | • 228 WINDOW |
| • 018 BASEMENT | 072 EAST | 123 LOCK | 175 SCREEN | 229 WINE |
| • 019 BATHROOM | 073 ELECTRIC | 124 LOOP | 176 SENSOR | • 230 WING |
| • 020 BED | 074 EMERGENCY | 125 LORRA | • 177 SERVICE | 231 WORK |
| • 021 BEDROOM | 075 ENTRY | 126 LOW | • 178 SHED | |
| 022 BELL | • 076 EQUIPMENT | • 127 LOWER | 179 SHOCK | 232 XMITTER |
| 023 BELL 1 | 077 EXECUTIVE | | • 180 SHOP | |
| 024 BELL 2 | • 078 EXIT | • 128 MACHINE | 181 SHORT | 233 YARD |
| • 025 BLOWER | 079 EXTERIOR | 129 MAGNETIC | 182 SHOW | |
| • 026 BOILER | | 130 MAIDS | • 183 SIDE | 234 ZN-1 |
| 027 BOTTOM | • 080 FACTORY | 131 MAIN | 184 SKYLIGHT | • 235 ZONE |
| 028 BOX | 081 FAILURE | • 132 MASTER | 185 SLIDING | |
| 029 BREAK | 082 FAMILY | 133 MAT | • 186 SMOKE | • 236 0 |
| • 030 BUILDING | • 083 FATHERS | • 134 MEDICAL | 187 SONIC | • 237 1 |
| 031 BURNER | • 084 FENCE | 135 MEDICINE | • 188 SONS | • 238 1ST |
| | 085 FILE | 136 MICROWAVE | • 189 SOUTH | • 239 2 |
| 032 CABINET | • 086 FIRE | 137 MONEY | 190 SPRINKLER | • 240 2ND |
| • 033 CALL | • 087 FLOOR | 138 MONITOR | 191 STAMP | • 241 3 |
| 034 CAMERA | 088 FLOW | • 139 MOTHERS | • 192 STATION | • 242 3RD |
| 035 CAR | 089 FOIL | • 140 MOTION | 193 STEREO | • 243 4 |
| 036 CASE | • 090 FOYER | 141 MOTOR | 194 STORE | • 244 4TH |
| 037 CASH | 091 FREEZER | 142 MUD | • 195 STORAGE | • 245 5 |
| 038 CCTV | • 092 FRONT | | 196 STORY | • 246 5TH |
| 039 CEILING | 093 FUR | • 143 NORTH | 197 STRESS | • 247 6 |
| 040 CELLAR | 094 FURNACE | 144 NURSERY | 198 STRIKE | • 248 6TH |
| • 041 CENTRAL | | • 145 OFFICE | 199 SUMP | • 249 7 |
| 042 CIRCUIT | 095 GALLERY | 146 OIL | 200 SUPERVISED | • 250 7TH |
| 043 CLIP | • 096 GARAGE | • 147 OPEN | 201 SUPERVISION | • 251 8 |
| • 044 CLOSED | • 097 GAS | 148 OPENING | 202 SWIMMING | • 252 8TH |
| 045 COIN | 098 GATE | • 149 OUTSIDE | 203 SWITCH | • 253 9 |
| 046 COLD | • 099 GLASS | 150 OVERFLOW | | • 254 9TH |
| 047 COATROOM | 100 GROUND | 151 OVERHEAD | 204 TAMPER | 255 Custom Word 1 |
| 048 COLLECTION | 101 GUEST | | 205 TAPE | to |
| 049 COMBUSTION | 102 GUN | 152 PAINTING | 206 TELCO | 274 Custom Word 20 |
| • 050 COMPUTER | • 103 HALL | • 153 PANIC | 207 TELEPHONE | |
| 051 CONTACT | • 104 HEAT | 154 PASSIVE | 208 TELLER | |
| | 105 HIGH | • 155 PATIO | • 209 TEMPERATURE | |
| • 052 DAUGHTERS | 106 HOLDUP | 156 PERIMETER | 210 THERMOSTAT | |
| 053 DELAYED | | | | |

CHARACTER (ASCII) CHART (For Adding Custom Words)

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

***Notes:** This factory-provided vocabulary of words is subject to change. Bulleted words in **bold face type** are those that are also available for use by the 4285/4286 VIP Module. If using a VIP Module, and words other than these are selected for alpha descriptors, the Voice Module will not provide annunciation of those words.

Device Programming

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

From Data Field Programming Mode, press **#93** to display "ZONE PROG?". Press **0** repeatedly to display "DEVICE PROG?".

DEVICE PROG?
1=YES 0=NO

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

DEVICE ADDRESS
01-31, 00=QUIT

The device address identifies the device to the control. Enter the 2-digit device address number to match the device's physical address setting (**01-30**).

Press [*] to accept entry.

Note: Device Address 04 must be used for the 4285/4286 Voice Module, if one is installed. If not, it can be used for another device type.



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

DEVICE TYPE

Select the type of addressable device as follows:

0 = device not used

1 = alpha keypad (6139/6139R)

3 = RF receiver (5881)

4 = output relay module (4204/4204CF)

5 = Voice (VIP) Module (4285/4286)

6 = Long Range Radio

9 = Vista Gateway Module (VGM)

Press [*] to accept entry.

Alpha Keypad

CONSOLE PART.

If device type 1 (alpha keypad) is selected, this prompt will appear. Enter the addressable device's default partition number (01 to maximum number of partitions programmed for system in field 2*00). This is the primary partition for which the device is intended to be used. Enter **9** to make this keypad a "master" keypad for the system.

Press [*] to accept entry.

SOUND OPTION

If device type 1 (alpha keypad) is entered, this prompt will appear. Keypads can be individually programmed to suppress arm/disarm beeps, entry/exit beeps and chime mode beeps. This helps prevent unwanted sounds from disturbing users in other areas of the premises.

Enter a number **00-03** for the keypad sounding suppression options desired for the keypad as follows:

00 = no suppression.

01 = suppress arm/disarm & entry/exit beeps.

02 = suppress chime mode beeps only.

03 = suppress arm/disarm, entry/exit **and** chime mode beeps.

Press [*] to accept entry.

KEYPAD GLBL?

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

Press [*] to accept entry.

RF Expander

RF EXPANDER
HOUSE ID XX

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

Press [*] to accept entry.

Output Relay Module

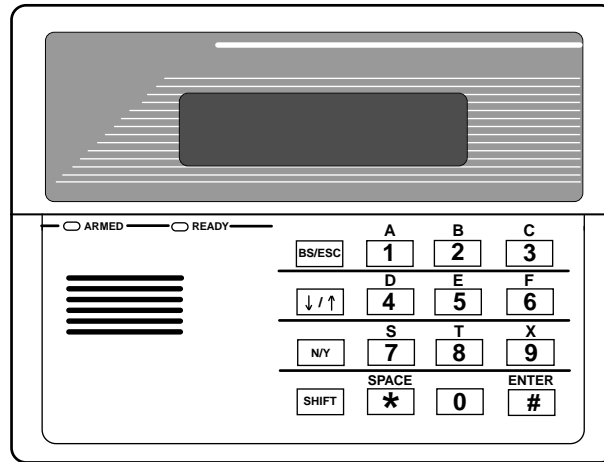
SUPERVISED CF?

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

Press [*] to accept entry.

Long Range Radio

If device type 6 is chosen, the 6139 Keypad will function similar to the 7720PLRR Programming Tool. See *Figure 25-2* for the functions of the keys on the 6139.



SHIFT function indicated by turning on READY LED.

Figure 25-2 6139 Key Functions for Programming 7820 Radio

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

Normal and SHIFT key Functions:

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

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

The 6139 Keypad will display the following prompts, which are sent by the Long Range Radio transmitter to the control.

DEVICE ADDRESS

Enter the device address of the radio. The default address is 3.

ID # (1234)

Enter the 4-digit customer account number, **0001-9999**. This ID number will appear in the messages generated by the radio. Messages generated by the panel and transmitted by the radio will contain the ID number programmed into the panel. The radio and the panel should have the same ID number, if possible.



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

ODD [Y/N] (N)

Enter **Y** for odd system flag; **N** for even system flag.

Alarmnet (Y/N) (Y)

Enter **Y** if an AlarmNet installation. Enter **N** for private system users (skip to Question 7).

CS ID (11)

Enter the primary central station's system ID number, **1-7F** (will not be displayed for private system users).

BAT PRESENT [Y/N] (N)

Enter **Y** if optional battery will be used. **Must be Y for UL installations (a battery must be installed).**

USE RADIO # [Y/N] (N)

If **Y** is selected, the Radio ID number will replace the panel Subscriber ID in panel-generated messages with the Radio ID number.

If **N** is selected, the radio will send panel-generated messages with the panel Subscriber ID number.

2 ND CS ID (12)

This must be programmed with a value, even if it is the same as the primary central station. The alarm panel has the option to send a selected message to the second central station.

REVIEW (Y/N) (N)

Enter **Y** to review the programming options and to ensure that the correct responses have been made. Parameters can be changed during review.

Enter **N** to end programming session.

VIP Module and VISTA Gateway Module

MODULE PART.

If device type 5 (VIP Module) or type 9 (VGM) is selected, this prompt will appear. Enter the partition number **1-8** in which the module is located.

Press [*] to accept entry.

Press **00** + [*] to exit Menu Mode.

Press *99 to exit Program Mode.

Relay Programming

The system supports up to 32 relay outputs. Relays can be used to perform many different functions and actions. Each relay must be programmed to begin one of four types of ACTIONS at a designated START event, and end that ACTION at a designated STOP event. The options used to start and stop these devices are described below, followed by the actual screen prompts and available entries.

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

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

- ACTIVATE for 2 SECONDS and then reset.
- ACTIVATE and REMAIN ACTIVATED until stopped by some other event.
- PULSE ON and OFF until stopped by some other event.
- NO RESPONSE when the device is not used.
- TOGGLE on and off alternately with each activation of event.

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

1) EVENT (EV) is the condition (alarm, fault, trouble) that must occur to a zone or group of zones (zone list) in order to activate the device. These conditions apply *only* when a zone list is used. The different choices for "EVENT" are listed below and in "Programming Relays" later in this section.

- ALARM Relay action begins upon any alarm in an assigned zone in the zone list.
- FAULT Relay action begins upon any opening of an assigned zone in the zone list.
- TROUBLE Relay action begins upon any trouble condition in an assigned zone in the zone list.
- NO RESPONSE Relay action is not dependent upon one of the above events.

ZONE LIST (ZL) is a group of zones to which the "EVENT" applies in order to activate a particular device. Note that there are a total of 8 zone lists that can be programmed; when the selected EVENT (alarm, fault or trouble) occurs in **any** zone in the selected "Start" ZONE LIST (1-8), activation of the selected device will START.

ZONE TYPE/SYSTEM OPERATION (ZT). If all zones to be used to start the device have the same response type, and there are no other zones of this type which are **not** to activate this device, then "ZONE TYPE" may be used instead of using a "ZONE LIST" and "EVENT" to activate the device.

If a System Operation, such as "DISARMING" or "ANY FIRE ALARM," is to activate the device, the appropriate choice would also be entered under the "ZONE TYPE" option.

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

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

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

- 3) **PARTITION No. (P).** The device's "Start" ZONE TYPE/SYSTEM OPERATION may be limited to an occurrence on one partition (1-8), or any partition (0).

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

- 1) **RESTORE ZONE LIST (ZL).** If a "ZONE LIST" is used as the "Stop" event, the device will de-activate when **all** the zones in that list restore from a previous fault, trouble, or alarm condition. This will occur regardless of what is programmed to "START" the device; therefore, a "RESTORE ZONE LIST" would normally only be used when a "ZONE LIST" is used to start the device.
- 2) **ZONE TYPE/SYSTEM OPERATION (ZT).** Instead of using a "RESTORE ZONE LIST," a specific zone (response) type or system operation action can be selected to de-activate the device.

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

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

Relay 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 "RELAY PROG?" prompt appears. Press 1 (YES).

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

ENTER RELAY NO. (00=QUIT) 01

Enter the relay (output device) identification number **01-16**. This is a reference number only, used for identification purposes. The actual module address and relay number on the module are programmed in the last two prompts.

Press [*] to continue.

02 A EV ZL ZT P STT 0 0 0 00

Press [*] to continue.

02 A ZL ZT P
STP 0 0 00

The keypad will display a summary STOP screen.
Press [*] to continue.

02 RELAY ACTION
NO RESPONSE

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

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

02 START EVENT
NOT USED

A relay may be activated either by an Event used in conjunction with a Zone List, **and/or** by a Zone Type/System Operation. If using an Event/Zone List combination, enter the event code as follows:

0=not used; **1**=alarm; **2**=fault; **3**=trouble

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

Press [*] to continue.

02 START: ZN LIST
NO LIST

A Zone List is a set of zones that can be used to initiate the start or stop relay action. If a zone list is being used to start this relay action, enter the Zone List number **1-8**. If a zone list is not being used, enter **0**.

Press [*] to continue.

02 START: ZN TYPE

A Zone Type/System Operation can be used **instead of or in addition** to an Event/Zone List combination to start the relay action. If a Zone Type/System Operation is being used, enter the 2-digit code as listed below.

Press [*] to continue.

Choices for Start/Stop Zone Types:

- 00 = No Response (Not Used)
- 01 = Entry/Exit #1
- 02 = Entry/exit #2
- 03 = Perimeter
- 04 = Interior Follower
- 05 = Trouble Day/Alarm Night
- 06 = 24-Hr. Silent
- 07 = 24-Hr. Audible
- 08 = 24-Hr. Auxiliary
- 09 = Fire Alarm or Trouble
- 10 = Interior W/Delay
- 16 = Fire With Verification
- 17 = Fire Waterflow
- 23 = No Alarm Response
(for output relay activation, such as for access control purposes)
- 27 = Access Point
(allows more than one relay to be controlled by activation if access point request)

Choices for Start/Stop System Operation:

- 18 = Fire Supervisory
 - 19 = 24-Hr. Trouble
 - 20 = Arming-STAY
 - 21 = Arming-AWAY
 - 22 = Disarming ([Code] + Off)
 - 30 = On Second Off
 - 31 = End of Exit Time
 - 32 = Start of Entry Time
 - 33 = Any Burglary Alarm
 - 34 = Code + [#] + 71 Key Entry
 - 35 = Code + [#] + 72 Key Entry
 - 36 = At Bell Timeout **
 - 37 = 2 Times Bell Timeout**
 - 38 = Chime
 - 39 = Fire Alarm
 - 40 = Bypassing
 - 41 = AC Power Fail
 - 42 = System Battery Low
 - 43 = Communication failure
 - 44 = RF Low Battery
 - 45 = Polling Loop Failure
 - 51 = RF Receiver Failure
 - 52 = Kissoff
 - 54 = Fire Zone Reset
 - 55 = Disarm + 1 Minute
 - 56 = XX Minutes (enter XX in field 1*74 stop condition only)
 - 57 = YY Seconds (enter YY in field 1*75 stop condition only)
 - 58 = Duress
 - 60 = Audio Alarm Verification (**must be selected for both START and STOP operation**)
 - 61 = Code + [#] + 67 Key Entry
 - 62 = Bell 2 Timeout
 - 63 = Aux. Relay Timeout
- ** Or at Disarming, whichever occurs earlier



If using options 57 and/or 58 (usually as the STOP Zone Type), data fields 1*74 and 1*75 for the respective relay timeouts for minutes and seconds must be programmed.

02 START: ACS PT
(00-31) 00

If the start zone type selected was 27 (access point), this prompt will be displayed. Enter the access point **(00-31)** which will start the relay action.

02 START PART

If the starting event will be limited to occurring on a specific partition, enter the partition number **(1-8)** in which the start event will occur. Enter **0** for any partition.

Press [*] to continue.

02 STOP: ZN LIST
NO LIST

If a zone list is being used to stop this relay action, enter the zone list number **1-8**. The **restore** of a zone on the zone list will stop the relay. If a zone list is not being used, enter **0**.

Press [*] to continue.

02 STOP: ZN TYP

If a Zone Type/System Operation is being used to stop the relay action, enter the 2-digit code as listed in the "Choices for Start/Stop Zone Type/System Operation" table.

Press [*] to continue.

02 STOP: ACS PT
(00-31) 00

If the stop zone type selected was 27, (access point), this prompt will be displayed. Enter the access point **(00-31)**, which will stop the relay action.

02 STOP PART

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.

RELAY GROUP

Relays may be grouped for common activation by time-driven events (commands **06-10**). Enter **0** (no group) or **1-8** for a specific group number.

Press [*] to continue.

01 FIRE BELL?
1 = YES 0 = NO

If this relay is on a supervised 4204CF Module, it may be used as an additional fire bell. Enter **1 (Y)** if it is; enter **0** if it is not. This tells the system which relays are to be activated during a fire drill or Fire Walk-Test.

Press [*] to continue.

RESTRICTION
1=YES 0=NO

The system may have some devices, which are not intended to be under end user control, such as relays activating fire doors or machinery. Enter **1** if the end user will be restricted from accessing this relay group. If this is a fire bell, it will be restricted automatically.

Press [*] to continue.

RELAY TYPE

Enter **0** for V-Plex (polling loop) devices. Enter **1** for relay modules (4204/4204CF). Enter **2** for Powerline Carrier devices.

V-PLEX ZONE #

For polling loop trigger outputs (4101SN), enter the protection zone number (001-128) linked to each output, if used. If not using a protection zone on these modules, enter the relay zone number (601-632). Be sure to enroll the module's serial number (see Zone Programming prompt earlier in this section). Press [*] to continue.

ECP ADDRESS

For relay modules (4204/4204CF), enter the actual relay module's address **(01-15)** as set by its DIP switches. Up to 8 modules can be installed in a system.

MODULE RELAY #

For 4204 Relay Outputs, enter the specific relay number on that module **(1-4)**. **For 4204CF outputs, enter only module relay number 1 (Output A) or relay number 3 (Output B).** These are the only two programmable relays on the 4204CF Module.

Press [*] to continue. The keypad will display the Start and Stop summary screens again.

Press [*] to continue.

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

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

If supervision of the 4204CF Relay Output is desired, enter a response type for that output's corresponding supervisory zone. This is equal to 600 + [Relay ID No.]. For example, if you are programming Relay ID No. 1, the relay's supervisory zone would be 601. Program this zone for response type 19 (24-Hr. Trouble) in *Zone Programming*.

Zone List Programming

After all relays have been programmed, upon entering **00** at the "ENTER RELAY NO." prompt, you will be 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:

Enter Zone LIST
00=QUIT 00

Enter the zone list number **01-08**. Enter **00** to quit.

001 Enter Zn Num.
000=QUIT 000

Using 3-digit entries, enter each zone to be included in this zone list. Press [*] after each zone number is entered. When all zones have been entered, enter **000**. Press [*] to continue.

001 Del Zn LIST?
0=No 1=Yes

Enter **0** to save the zone list entered. Enter **1** to delete that zone list.

001 Delete Zone?
0=No 1=Yes

Enter **1** to delete one or more zones in that zone list. Enter **0** if no changes are necessary. If 1 is entered, the following screen will appear, otherwise the "Enter Zone LIST" prompt will reappear.

001 Zn to Delete?
000=QUIT 000

Enter each zone number to be deleted from the zone list, pressing [*] after each number.

View Zn LIST
00=QUIT 00

This will appear if **00** is pressed at the "Enter Zone LIST" prompt. Enter the zone list number that you wish to view. Press [*] to continue.

XXX Assigned Zone
000=QUIT 000

Press [*] to scroll through all zones in that list. Enter **000** +[*] to quit.

Press ***99** to exit Program Mode.

Relay Voice Descriptors

If using the 4285/4286 VIP Module, voice descriptors can be programmed for each of the 32 relays used in the system. These descriptors will be announced by the voice module when accessing the relays via the # 70 Relay Access Mode via telephone.

Each voice descriptor can consist of up to 3 words selected from the relay voice descriptor 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 section.

To enter relay voice descriptors, do the following:

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

RLY VOICE DESCR?
0=no 1=yes

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 descriptor 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 descriptor 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 descriptor vocabulary list, enter the 3-digit index number for the third word of the relay descriptor phrase. If third word is not desired, press **000**. Press [*] to accept entry. The "ENTER RELAY NO." prompt will appear. Enter the next relay number to be programmed. When all output devices have been programmed, enter **00** to quit.

Enter ***99** to exit Program Mode.

Relay Voice Descriptors and Custom Word Substitutes Vocabulary

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

Custom Word Substitutes for VIP Module Annunciation

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

To enter custom word substitutes, do the following:

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

CUSTOM INDEX ? 0=no 1=yes

Enter **1** at this prompt.

CUSTOM WORD NO. 00=QUIT

Enter the custom word number (**01-20**) for which a voice substitute is desired. Enter **00** to quit this Programming Mode. Press [*] to accept entry.

01 ENTER INDEX #

Enter the 3-digit substitute word index number from the relay voice descriptor and custom word substitutes vocabulary list found in the *Relay Voice Descriptors* part of this section. Press [*] to accept entry.

Press [*] to accept entry.

The "CUSTOM WORD NO." prompt will be displayed. Enter the next custom word number to be substituted or enter **00** to quit.

RF Serial Number Clear Mode

This mode may be used in the event that an undesired transmitter has been enrolled during sequential enrolling, causing each subsequent serial number to be assigned to an incorrect zone. Performing this operation will delete all RF serial numbers, leaving all other zone information intact. You may then return to *Sequential Mode* to re-enroll wireless transmitters.



The RF Serial Number Clear Mode will **not** delete polling loop serial numbers.

To clear all RF wireless serial numbers, do the following:

1. Enter Data Field Programming Mode: [Installer Code] + **8 0 0 0**.
2. From Data Field Programming Mode, press **#93** to display the "ZONE PROG?" prompt.
3. Press **0** (NO) repeatedly until the "CLEAR RF SERIAL #?" prompt appears.

CLEAR RF SERIAL#? 1 = YES, 0 = NO 0

Enter **1** to clear all RF wireless serial numbers. The "ARE YOU SURE?" prompt is displayed as follows:

ARE YOU SURE? 1 = YES, 0 = NO 0

Enter **1** to clear all RF serial numbers. Re-enter the Sequential Mode to enroll wireless transmitters.

System Layout Worksheets

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

To help you lay out a partitioned system, use the following worksheet. This will further simplify the programming process.

PARTITIONS				
Partition #	Descriptor (4 char max)	Prim. Sub. #	Sec. Sub. #	Alpha Default Message (32 character maximum)
Partition 1				
Partition 2				
Partition 3				
Partition 4				
Partition 5				
Partition 6				
Partition 7				
Partition 8				
Keyswitch Arming Partition Assignment (1-8 or 9):				
Wireless Keypad Partition Assignment (1-8):				
Voice Module Partition Assignment (1-8):				
Use Partition Descriptor (yes/no)?				
Common Lobby Partition Assignment (1-8):				

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

SYSTEM DEFINITIONS BY PARTITION 9enter values or yes/no)

Option	Part. 1	Part. 2	Part. 3	Part. 4	Part. 5	Part. 6	Part. 7	Part. 8
Entry Delay #1 (15-225 seconds):								
Exit Delay #1 (15-225 seconds):								
Entry Delay #2 (15-225 seconds):								
Exit Delay #2 (15-225 seconds):								
Quick Arming								
Multiple Alarms per Arming								
Console Panic for zone 995 (* + 1)								
Console Panic for zone 996 (# + 3)								
Console Panic for zone 999 (* + #)								
Allow Sign-on (GOTO function)								
Non-Bypassable Zone*								
Sounder Timeout Duration for Bell 1 (2 min. increments)								
Sounder Timeout Duration for Bell 2 & Aux Rly (2 min. increments)								
Console Annunciation During Entry**								
Console Annunciation During Exit								
Confirmation of Arming Ding for Bell 1								
Confirmation of Arming Ding for Bell 2 & Aux Rly								
Chime on Bell 1								
Chime on Bell 2 & Aux Relay								
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 001-128.

**no= 3 beeps yes=continuous

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

*Note: Must be 1200 if using pager interface

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

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

Type:

- 0 = Device Not Used
- 1 = Alpha Console
- 3 = RF Receiver
- 4 = Output Relay Module
- 5 = Voice Module
- 6 = Long Range Radio
- 9 = Vista Gateway Module

Console Sounder Options:

- 00 = No Suppression
- 01 = Suppress Arm/Disarm and Entry/Exit Beeps
- 02 = Suppress Chime Mode Beeps Only
- 03 = Suppress Arm/Disarm, Entry/Exit and Chime Mode Beeps

Defaults:

Addresses 00-01 = Alpha Keypad; No Suppression

ACCESS CODES & USER DEFINITIONS FOR PARTITIONS 1-3

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

ACCESS CODES & USER DEFINITIONS FOR PARTITIONS 4-6

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

ACCESS CODES & USER DEFINITIONS FOR PARTITIONS 7-8

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

Authority Levels:

- 1=master (arm, disarm, bypass, and/or modify lower level users)
- 2=manager (arm, disarm, bypass, and/or modify lower level users)
- 3=operator A (arm, disarm, bypass)
- 4=operator B (arm, disarm)
- 5=operator C (arm, disarm only if system was armed with this code)
- 6=duress code (arm, disarm, triggers silent panic alarm)

ZONE DEFINITIONS FOR ZONES 001-024

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

ZONE DEFINITIONS FOR ZONES 025-048

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

ZONE DEFINITIONS FOR ZONES 049-072

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

ZONE DEFINITION FOR ZONES 073-096

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

ZONE DEFINITION FOR ZONES 097-120

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

ZONE DEFINITION FOR ZONES 121-128

Zone No.	Zone Type	Partition (1-8)	Input Type (1-8)	Serial # Device Loop	Bell/Relay Activation	Report Code	Zone Information (part numbers) & Alpha Descriptor (3 words max.)
121							
122							
123							
124							
125							
126							
127							
128							

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

Zone No.	Zone Type	Enter yes/no for each partition-field *22								Bell/Rel Act.	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 970-975; 988; 990 & 997

Zone No.	Zone Type	Report Code	Zone Information (part numbers) & Alpha Descriptor (3 words max.)
970			
971			
972			
973			
974			
975			
988			
990			
997			

ZONE DEFINITIONS FOR RELAY SUPERVISORY ZONES 601-616

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

ZONE DEFINITIONS FOR SUPERVISORY OF ECP DEVICE ZONES 800-831

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

Zone Types: 00=zone not used 06=24 hour silent 16=Fire w/Verification 21=arm away
 01=entry/exit 1 07=24 hour audible 17=Fire Waterflow 22=disarm
 02=entry/exit 2 08=24 hour auxiliary 18=Fire Supervisory 23=no alarm response
 03=perimeter 09=supervised fire 19=24 hour trouble 27=access control
 04=interior (follower) 10=interior (delay) 20=arm stay 28=MLB supervision
 05=day/night burglary

Input Types: 00=not used 06=serial number polling loop
 01=hardwired 07=dip switch type polling loop
 03=supervised RF transmitter 08=right loop dip switch polling loop
 04=unsupervised RF transmitter 09=keypad input
 05=RF button transmitter 10=PassPoint ACS input

Bells/Auxiliary Relay Activation:
 0=none 4=auxiliary relay
 1=bell 1 5=bell 1 & auxiliary relay
 2=bell 2 6=bell 2 & auxiliary relay
 3=bells 1 & 2 7=bells 1 & 2 & auxiliary relay

Output Relays Worksheets

Applicable only if Relays (4204/4204CF) are to be used.

Output Devices – Programmed in the #93 Menu Mode in the Relay Programming Section. Fill in the required data on the worksheet below and follow the procedure in the installation instructions as you enter the data during the displays and prompts that appear in sequence.

Note: The Device Programming section must be programmed for the device address. Set the dip switches on the 4204/4204CF for that address.

		S T A R T				S T O P					
		either (EV) / (ZL) or (ZT) / (P) or both				either (ZL) or (ZT)/(P) or both					
OUTPUT DEV #	(A)	(EV)	(ZL)	(ZT)	(P)	(ZL)	(ZT)	(P)	1=4204	Dev Add for 4204	Relay # for 4204
1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
18	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
19	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
20	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
21	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

OUTPUT RELAYS WORKSHEET (cont'd)

OUTPUT DEV #	S T A R T					S T O P			1=4204	Dev Add for 4204	Relay # for 4204
	(A)	(EV)	(ZL)	(ZT)	(P)	(ZL)	(ZT)	(P)			
22	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
23	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
24	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
25	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
26	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
27	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
28	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
29	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
30	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
31	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
32	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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

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

Z L = ZONE LIST 1-8, 0 = Not Used.

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

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

ZT = ZONE TYPE/SYSTEM OPERATION

Choices for Zone Types are:

- | | | |
|------------------------|------------------------|----------------------|
| 00=Zone Not Used | 06=24 Hour Silent | 17=Fire Waterflow |
| 01=Entry/Exit 1 | 07=24 Hour Audible | 18=Fire Supervisory |
| 02=Entry/Exit 2 | 08=24 Hour Auxiliary | 19=24 Hour Trouble |
| 03=Perimeter | 09=Supervised Fire | 23=No Alarm Response |
| 04=Interior (Follower) | 10=Interior (Delay) | 27=Access Control |
| 05=Day/Night Burglary | 16=Fire w/Verification | 28=MLB Supervision |

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:

- | | | |
|------------------------------|-----------------------------|--|
| 20 = Arming-Stay | 37 = 2 Times Bell Time-out* | 52 = Kissoff |
| 21=Arm Away | 38 = Chime | 54 = Fire Zone Reset |
| 22 = Disarming | 39 = Fire Alarm | 55 = Disarm + 1 Minute |
| 30 = On Second Off | 40 = Bypassing | 56 = XX Minutes (enter XX in field 1*74) |
| 31 = End of Exit Time | 41 = AC Power Fail | 57 = YY seconds (enter YY in field 1*75) |
| 32 = Start of Entry Time | 42 = System Battery Low | 58 = Duress |
| 33 = Any Burglary Alarm | 43 = Communication Failure | 60 = Audio Alarm Verification** |
| 34 = Code + # + 71 Key Entry | 44 = RF Low Battery | 61 = Code + # + 67 Key Entry |
| 35 = Code + # + 72 Key Entry | 45 = Polling Loop Failure | 62 = Bell 2 Time-out* |
| 36 = At Bell Time-out* | 51 = RF Receiver Failure | 63 = Aux. Relay Time-out* |

*Or at disarming, whichever occurs first

**Must be selected for both START and STOP operation

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

ZONE LISTS FOR OUTPUT DEVICES – Programmed in the #93 Menu Mode in the Relay Programming Section. Fill in the required data on the worksheet below and follow the procedure in the installation instructions as you enter the data during the displays and prompts that appear in sequence.

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

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

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

Zone List 2: Started or stopped by zone numbers (enter 00 to end entries).

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

Zone List 3: Started or stopped by zone numbers (enter 00 to end entries).

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

Zone List 4: Started or stopped by zone numbers (enter 00 to end entries).

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

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

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

Zone List 6: Started or stopped by zone numbers (enter 00 to end entries).

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

Zone List 7: Started or stopped by zone numbers (enter 00 to end entries).

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

Zone List 8: Started or stopped by zone numbers (enter 00 to end entries).

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

Scheduling Menu Prompts

To program schedules, enter Scheduling program mode by pressing [Installer Code] + # + 80 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. Menu selections are as follows:

Time Window ? 1 Yes 0 = No 0

For defining up to 20 time windows each with a start and a stop time programmed by entering the hours and minutes.

O/C Schedules ? 1 Yes 0 = No 0

For defining the daily open and close schedules for the 8 partitions. Each partition can be programmed with an opening and closing window for each day of the week and holidays.

Holidays ? 1 Yes 0 = No 0

For defining up to 16 holidays for which partitions they apply.

Timed Events ? 1 Yes 0 = No 0

For defining up to 20 time driven events with the following parameters:

- Time window
- Action desired
- Action specifier
- Activation time
- Days of the week

Access Sched. ? 1 Yes 0 = No 0

For defining the limitation of access schedules for the user codes. Each schedule can be programmed with two window for each day of the week and holidays

#80 & #81 MENU MODE KEY COMMANDS

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

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

Scheduling Worksheets

Time Windows Definitions Worksheet.

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

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

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



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

Daily Open/Close Schedule Worksheet:

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

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

Holiday Schedule Worksheet:

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

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

Time-Driven Event Worksheet:

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

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

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

Enter Relay No.	(reference identification number)
Relay Group	(if applicable)
Restriction	
Relay Type	(4204 or none)
ECP Address	
Relay No.	if 4204 relays

Relay commands:

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

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

Arm/Disarm commands:

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

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

Bypass commands:

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

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

Open/Close Windows:

Action Specifier for commands 40-41 is Partition(s), for 42 is Access Group, and for 50 no specifier is programmed. Activation time 3 (During) is the only valid choice for these commands.

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

Activation time:

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

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

Limitation of Access Worksheet

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

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

Temporary Schedule #81 Menu Mode

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

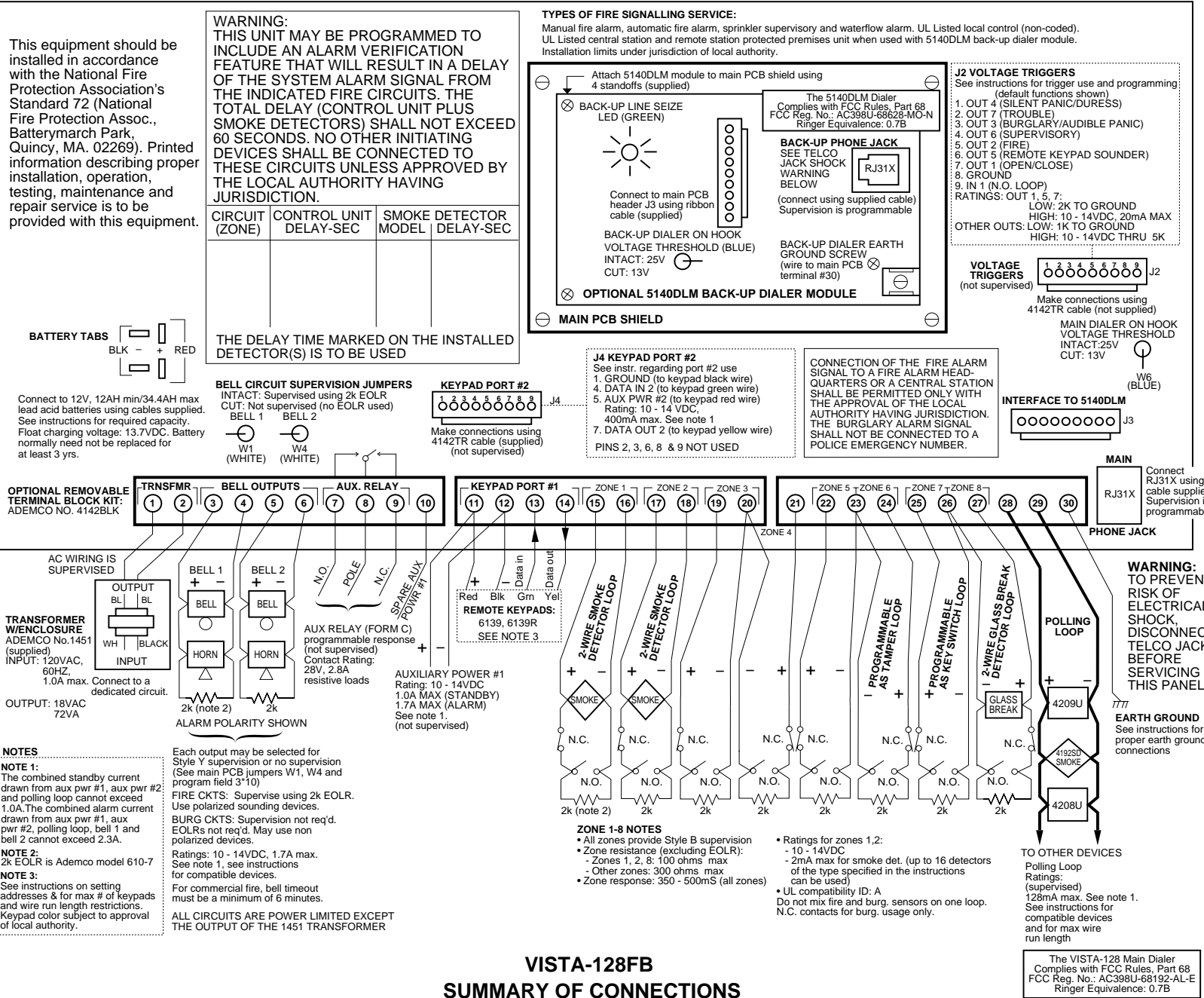
Partition/Windows		Mon	Tue	Wed	Thu	Fri	Sat	Sun
1	Disarm Window							
	Start Time HH:MM							
	Stop Time HH:MM							
	Arm Window							
	Start Time HH:MM							
	Stop Time HH:MM							
2	Disarm Window							
	Start Time HH:MM							
	Stop Time HH:MM							
	Arm Window							
	Start Time HH:MM					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

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

WARNING: OWNER'S INSTRUCTION NOTICE NOT TO BE REMOVED

REFER TO INSTRUCTIONS N8988 FOR ADDITIONAL INFORMATION

TEST BURGLARY SYSTEM WEEKLY



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GROUP

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