VISTA-128FB

Commercial Fire & Burglary
Partitioned Security System

with Scheduling

Quick Start Guide

®**ADEMCO**

Table Of Contents

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

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

☐	☐	0	☐	☐	☐	☐	☐
Dialer Shutdwn	System Shutdwn	Not Used	Remote Bypass	Remote Disarm	Remote Arm	Upload Program	Download Program

See field 1*53 for Callback disable option; [1=enable]; 0=disable; For 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] ☐ ☐ ☐ ☐ ☐ ☐

Alrm   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] ☐ ☐ ☐ ☐ ☐ ☐

Alrm   Trbl   Byp   O/C   Syst   Tst

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

*64 PAGER INSTALLED   [0] ☐

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

*65 PAGER PHONE # FOR ALARMS

☐☐☐☐☐☐☐☐☐
☐☐☐☐☐☐

Enter 0-9 for each digit. 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 Duress
1=enable; 0=disable

*87 ENTRY WARNING   [1] ☐

1=continuous; 0=3 beeps

*88 BURG. ALARM COMM. DELAY   [0] ☐

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

*89 RESTORE REPORT TIMING   [0] ☐

0=Instant; 1=After bell timeout if zone is restored; 2=when
system is disarmed. Must be "0" for 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*32 RF RECEIVER TYPE   [0] ☐

0=None; 1=4281; 2=5881

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] ☐ ☐ ☐ ☐ ☐ ☐

    Alrm   Chck   Byps   O/C   Syst   Test
1=enable; 0=disable

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

0=12 hour; 1=24 hour

1*72 EVENT LOG PRINTER ON-LINE [0] ☐

0=disable; 1=enable

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

Must be 1200 if using pager interface

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

Enter the relay timeout, **0-127** in multiples of 2 minutes, desired for #80 Menu Mode time driven event relay command numbers "04/09" and #93 Menu Mode 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 Warrning 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 [0] ☐

OTHER PARTITIONS
0=No; 1=Yes.

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

OTHER PARTITIONS
0=No; 1=Yes.

2*24 DISPLAY TROUBLES OF OTHER [0] ☐

PARTITIONS
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 & FIre 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] ☐

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   Bell 2 AUX
1=enable; [0=disable]

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]
- **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.

<div align="center">

PARTITION #____ PROGRAM FIELDS

</div>

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 Warrning Period begins.

2*06 AUTO-ARM WARNING PERIOD [15] ☐

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

2*07 AUTO-DISARM DELAY [15] ☐

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

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

0=disable; 1=enable.

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

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

2*10 ALLOW DISARMING ONLY DURING [0] ☐

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

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

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

2*20 ENABLE J7 TRIGGERS by PARTITION [1] ☐

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

2*22 DISPLAY FIRE ALARMS OF [0] ☐

OTHER PARTITIONS
0=No; 1=Yes

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

OTHER PARTITIONS
10=No; 1=Yes

2*24 DISPLAY TROUBLES OF OTHER [0] ☐

PARTITIONS
0=No; 1=Yes

4th Page Fields

3*57 BELL 2 & AUX. RELAY CONFIRM ☐ ☐

ARM. DING 1=enable; [0=disable]   Bell 2 Relay
Must be "1" for UL.

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]   Bell 2   Relay
Minimum 16 min. for UL Burglary installations.

SUMMARY OF PROGRAMMING COMMANDS

- **To enter program mode,** enter installer code + [8] + [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

NOTE: The following fields should be preset before beginning: 2*00 Number of Partitions; 1*32 receiver type. In addition, receivers should be programmed via Device programming.

After programming all system related programming fields in the usual way, press #93 while still in programming mode to display the first choice of the menu driven programming functions. Press 0 (NO) or 1 (YES) in response to the displayed menu selection. Pressing 0 will display the next choice in sequence. Menu selections 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 & serial polling loop devices into the system.
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 & 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 & 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 (4281/5881), output relay modules (4204/4204CF), 4285/4286 VIP Module, ECP long range radio (7820), and vista gateway module: • Device Address • Device Type • Keypad Options (incl. partition assignment) • RF House ID • LRR Options (incl. programming radio)
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 in the system, if an undesired transmitter has been enrolled during sequential enrolling.

#93 MENU MODE KEY COMMANDS

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

#93	Enters Menu mode
[✶]	Serves as ENTER key. Press to have keypad accept entry.
[#]	Backs up to previous screen.
0	Press to answer NO
1	Press to answer YES
001-009	All data entries are either 2-digit or 3-digit entries.
000	Escapes from menu mode, back into field programming mode, when entered at the first question for each category.

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 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 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 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.)
ZONE DEFINTION FOR ZONES 073-096							
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 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 DEFINTION 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.)
ZONE DEFINTION FOR ZONES 121-128							
121							
122							
123							
124							
125							
126							
127							
128							

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.)
ZONE DEFINITIONS FOR KEYPAD PANIC ZONES 995, 996, & 999												
		1	2	3	4	5	6	7	8			
995												
996												
999												

Zone No.	Zone Type	Report Code	Zone Information (part numbers) & Alpha Descriptor (3 words max.)
ZONE DEFINITIONS FOR SYSTEM ZONES 970-975; 988; 990 & 997			
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 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.)
ZONE DEFINITIONS FOR SUPERVISORY OF ECP DEVICE ZONES 800-831							
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.

OUTPUT DEV #	(A)	START either (EV) / (ZL) or (ZT) / (P) or both				STOP either (ZL) or (ZT)/(P) or both			1=4204	Dev Add for 4204	Relay # for 4204
		(EV)	(ZL)	(ZT)	(P)	(ZL)	(ZT)	(P)			
1	☐	☐	☐	☐ ☐	☐	☐	☐ ☐	☐	☐	☐	☐
2	☐	☐	☐	☐ ☐	☐	☐	☐ ☐	☐	☐	☐	☐
3	☐	☐	☐	☐ ☐	☐	☐	☐ ☐	☐	☐	☐	☐
4	☐	☐	☐	☐ ☐	☐	☐	☐ ☐	☐	☐	☐	☐
5	☐	☐	☐	☐ ☐	☐	☐	☐ ☐	☐	☐	☐	☐
6	☐	☐	☐	☐ ☐	☐	☐	☐ ☐	☐	☐	☐	☐
7	☐	☐	☐	☐ ☐	☐	☐	☐ ☐	☐	☐	☐	☐
8	☐	☐	☐	☐ ☐	☐	☐	☐ ☐	☐	☐	☐	☐
9	☐	☐	☐	☐ ☐	☐	☐	☐ ☐	☐	☐	☐	☐
10	☐	☐	☐	☐ ☐	☐	☐	☐ ☐	☐	☐	☐	☐
11	☐	☐	☐	☐ ☐	☐	☐	☐ ☐	☐	☐	☐	☐
12	☐	☐	☐	☐ ☐	☐	☐	☐ ☐	☐	☐	☐	☐
13	☐	☐	☐	☐ ☐	☐	☐	☐ ☐	☐	☐	☐	☐
14	☐	☐	☐	☐ ☐	☐	☐	☐ ☐	☐	☐	☐	☐
15	☐	☐	☐	☐ ☐	☐	☐	☐ ☐	☐	☐	☐	☐
16	☐	☐	☐	☐ ☐	☐	☐	☐ ☐	☐	☐	☐	☐
17	☐	☐	☐	☐ ☐	☐	☐	☐ ☐	☐	☐	☐	☐
18	☐	☐	☐	☐ ☐	☐	☐	☐ ☐	☐	☐	☐	☐
19	☐	☐	☐	☐ ☐	☐	☐	☐ ☐	☐	☐	☐	☐
20	☐	☐	☐	☐ ☐	☐	☐	☐ ☐	☐	☐	☐	☐
21	☐	☐	☐	☐ ☐	☐	☐	☐ ☐	☐	☐	☐	☐

OUTPUT RELAYS WORKSHEET (cont'd)

OUTPUT DEV #	(A)	START either (EV) / (ZL) or (ZT) / (P) or both					STOP either (ZL) or (ZT)/(P) or both				1=4204	Dev Add for 4204	Relay # for 4204
		(EV)	(ZL)	(ZT)		(P)	(ZL)	(ZT)		(P)			
22	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
23	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
24	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
25	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
26	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
27	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
28	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
29	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
30	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
31	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
32	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

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.

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

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		

Relay Voice Descriptors And Custom Word Substitutes Vocabulary

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

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	Escapes from 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 Op	Mon Cl	Tues Op	Tues Cl	Wed Op	Wed Cl	Thur Op	Thur Cl	Fri Op	Fri Cl	Sat Op	Sat Cl	Sun Op	Sun Cl	Hol Op	Hol 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) M	T	W	T	F	S	S	H	Action Desired	Action Specifier	Activation Time
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 W1	Mon W2	Tues W1	Tues W2	Wed W1	Wed W2	Thurs W1	Thurs W2	Fri W1	Fri W2	Sat W1	Sat W2	Sun W1	Sun W2	Hol W1	Hol W2
1																
2																
3																
4																
5																
6																
7																
8																

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

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

5	**Disarm Window**							
	Start Time HH:MM							
	Stop Time HH:MM							
	Arm Window							
	Start Time HH:MM							
	Stop Time HH:MM							
6	**Disarm Window**							
	Start Time HH:MM							
	Stop Time HH:MM							
	Arm Window							
	Start Time HH:MM							
	Stop Time HH:MM							
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							

LOOP 3
2
1
4
(ALWAYS USE)
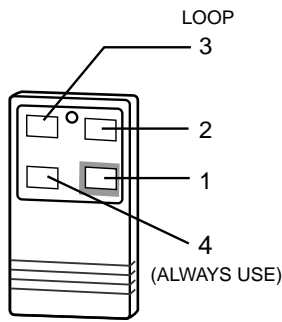
5801
ENROLL AS "UR" OR "RF"

LOOP 1
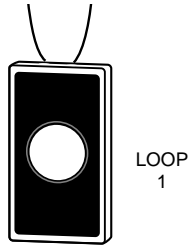
5802/5802CP
ENROLL AS "BR"

LOOP 2 (REED)
LOOP 1 (TERMINALS)

5816
ENROLL AS "RF"

LOOP 2 (REED)
LOOP 1 (TERMINALS)
ALTERNATE POSITION FOR LOOP 2

5816MN
ENROLL AS "RF"

LOOP 1

5802MN
ENROLL AS "UR" OR "RF"

YOU MUST ENROLL THIS BUTTON
LOOP 4
LOOP 3
ON
OFF
LOOP 2
LOOP 1

5804
ENROLL AS "BR"

LOOP 1 (PRIMARY)
2 (AUX. CENTER)
3 (AUX. RIGHT)

5817
ENROLL AS "RF"

LOOP 1

5818
ENROLL AS "RF"

LOOP 2
LOOP 3
LOOP 4
LOOP 1
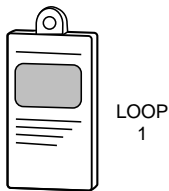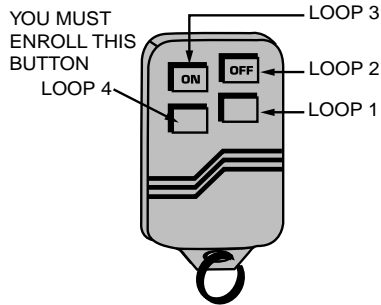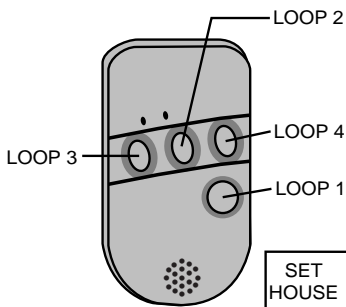
SET HOUSE CODE

5804BD
ENROLL AS "BR"

LOOP 1
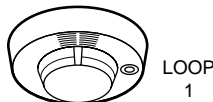
5806/5807/5808
(5806 SHOWN)
ENROLL AS "RF"

LOOP 2 (REED)
LOOP 1 (TERMINALS)
LOOP 3 (TERMINALS)
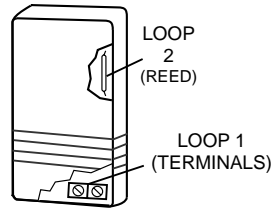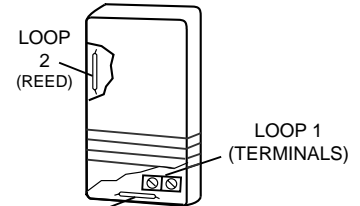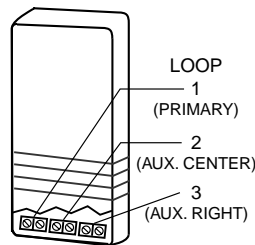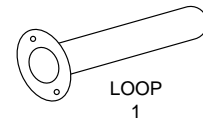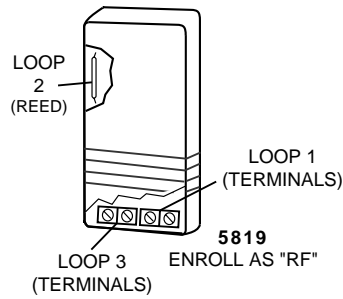
5819
ENROLL AS "RF"
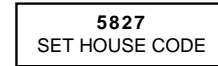
5827
SET HOUSE CODE
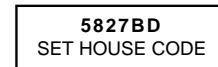
5827BD
SET HOUSE CODE
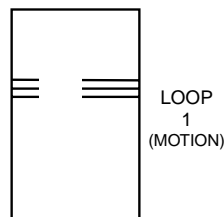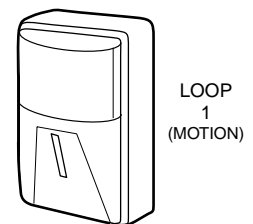
LOOP 1 (MOTION)

5849
ENROLL AS "RF"

LOOP 1 (MOTION)

5890
ENROLL AS "RF"

TEST BURGLARY SYSTEM WEEKLY

This equipment should be installed in accordance with the National Fire Protection Association's Standard 72 (National Fire Protection Assoc., Batterymarch Park, Quincy, MA. 02269). Printed information describing proper installation, operation, testing, maintenance and repair service is to be provided with this equipment.

WARNING:
THIS UNIT MAY BE PROGRAMMED TO INCLUDE AN ALARM VERIFICATION FEATURE THAT WILL RESULT IN A DELAY OF THE SYSTEM ALARM SIGNAL FROM THE INDICATED FIRE CIRCUITS. THE TOTAL DELAY (CONTROL UNIT PLUS SMOKE DETECTORS) SHALL NOT EXCEED 60 SECONDS. NO OTHER INITIATING DEVICES SHALL BE CONNECTED TO THESE CIRCUITS UNLESS APPROVED BY THE LOCAL AUTHORITY HAVING JURISDICTION.

CIRCUIT (ZONE)	CONTROL UNIT DELAY-SEC	SMOKE DETECTOR MODEL	DELAY-SEC

THE DELAY TIME MARKED ON THE INSTALLED DETECTOR(S) IS TO BE USED

TYPES OF FIRE SIGNALLING SERVICE:
Manual fire alarm, automatic fire alarm, sprinkler supervisory and waterflow alarm. UL Listed local control (non-coded).
UL Listed central station and remote station protected premises unit when used with 5140DLM back-up dialer module.
Installation limits under jurisdiction of local authority.

Attach 5140DLM module to main PCB shield using 4 standoffs (supplied)

BACK-UP LINE SEIZE LED (GREEN)

The 5140DLM Dialer Complies with FCC Rules, Part 68 FCC Reg. No.: AC398U-68628-MO-N Ringer Equivalence: 0.7B

BACK-UP PHONE JACK
SEE TELCO JACK SHOCK WARNING BELOW
RJ31X
(connect using supplied cable) Supervision is programmable

Connect to main PCB header J3 using ribbon cable (supplied)

BACK-UP DIALER ON HOOK VOLTAGE THRESHOLD (BLUE)
INTACT: 25V
CUT: 13V

BACK-UP DIALER EARTH GROUND SCREW (wire to main PCB terminal #30)

OPTIONAL 5140DLM BACK-UP DIALER MODULE

MAIN PCB SHIELD

J2 VOLTAGE TRIGGERS
See instructions for trigger use and programming (default functions shown)
1. OUT 4 (SILENT PANIC/DURESS)
2. OUT 7 (TROUBLE)
3. OUT 3 (BURGLARY/AUDIBLE PANIC)
4. OUT 6 (SUPERVISORY)
5. OUT 2 (FIRE)
6. OUT 5 (REMOTE KEYPAD SOUNDER)
7. OUT 1 (OPEN/CLOSE)
8. GROUND
9. IN 1 (N.O. LOOP)
RATINGS: OUT 1, 5, 7:
LOW: 2K TO GROUND
HIGH: 10 - 14VDC, 20mA MAX
OTHER OUTS: LOW: 1K TO GROUND
HIGH: 10 - 14VDC THRU 5K

VOLTAGE TRIGGERS (not supervised)
1 2 3 4 5 6 7 8 9 J2
Make connections using 4142TR cable (not supplied)

MAIN DIALER ON HOOK VOLTAGE THRESHOLD
INTACT:25V
CUT: 13V
W6 (BLUE)

INTERFACE TO 5140DLM
J3

BATTERY TABS
BLK − + RED

Connect to 12V, 12AH min/34.4AH max lead acid batteries using cables supplied. See instructions for required capacity. Float charging voltage: 13.7VDC. Battery normally need not be replaced for at least 3 yrs.

BELL CIRCUIT SUPERVISION JUMPERS
INTACT: Supervised using 2k EOLR
CUT: Not supervised (no EOLR used)
BELL 1   BELL 2
W1 (WHITE)   W4 (WHITE)

KEYPAD PORT #2
1 2 3 4 5 6 7 8 9 J4
Make connections using 4142TR cable (supplied) (not supervised)

J4 KEYPAD PORT #2
See instr. regarding port #2 use
1. GROUND (to keypad black wire)
4. DATA IN 2 (to keypad green wire)
5. AUX PWR #2 (to keypad red wire)
Rating: 10 - 14 VDC, 400mA max. See note 1.
7. DATA OUT 2 (to keypad yellow wire)
PINS 2, 3, 6, 8 & 9 NOT USED

CONNECTION OF THE FIRE ALARM SIGNAL TO A FIRE ALARM HEAD-QUARTERS OR A CENTRAL STATION SHALL BE PERMITTED ONLY WITH THE APPROVAL OF THE LOCAL AUTHORITY HAVING JURISDICTION. THE BURGLARY ALARM SIGNAL SHALL NOT BE CONNECTED TO A POLICE EMERGENCY NUMBER.

MAIN
RJ31X
Connect RJ31X using cable supplied. Supervision is programmable

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OPTIONAL REMOVABLE TERMINAL BLOCK KIT: ADEMCO NO. 4142BLK

TRNSFMR — 1 2
BELL OUTPUTS — 3 4 5 6
AUX. RELAY — 7 8 9 10
KEYPAD PORT #1 — 11 12 13 14
ZONE 1 — 15 16
ZONE 2 — 17 18
ZONE 3 — 19 20
ZONE 5 — 21 22
ZONE 6 — 23 24
ZONE 7 — 25 26
ZONE 8 — 27 28
29 30
ZONE 4

PHONE JACK

AC WIRING IS SUPERVISED

OUTPUT
BL   BL

TRANSFORMER W/ENCLOSURE
ADEMCO No.1451 (supplied)
INPUT: 120VAC, 60HZ, 1.0A max. Connect to a dedicated circuit.
OUTPUT: 18VAC 72VA

WH   BLACK
INPUT

BELL 1
+ −
BELL
HORN

BELL 2
+ −
BELL
HORN

2k (note 2)   2k
ALARM POLARITY SHOWN

N.O.
POLE
N.C.
AUX RELAY (FORM C) programmable response (not supervised)
Contact Rating: 28V, 2.8A resistive loads

SPARE AUX POWER #1
+ −
AUXILIARY POWER #1
Rating: 10 - 14VDC
1.0A MAX (STANDBY)
1.7A MAX (ALARM)
See note 1.
(not supervised)

Red Blk Grn Yel
Data in / Data out
REMOTE KEYPADS:
6139, 6139R
SEE NOTE 3

2-WIRE SMOKE DETECTOR LOOP
SMOKE
N.C.
N.C.
2k (note 2)

2-WIRE SMOKE DETECTOR LOOP
SMOKE
N.C.
N.C.
2k

+ − − + + −
N.C.   N.C.
N.O.   N.O.
2k   2k

PROGRAMMABLE AS TAMPER LOOP
+
N.C.
N.O.
2k

PROGRAMMABLE AS KEY SWITCH LOOP
+
N.C.
N.O.
2k

2-WIRE GLASS BREAK DETECTOR LOOP
GLASS BREAK
N.C.
2k

POLLING LOOP
+ −
4209U
4192SD SMOKE
4208U

TO OTHER DEVICES
Polling Loop Ratings: (supervised)
128mA max. See note 1.
See instructions for compatible devices and for max wire run length

WARNING:
TO PREVENT RISK OF ELECTRICAL SHOCK, DISCONNECT TELCO JACK BEFORE SERVICING THIS PANEL

EARTH GROUND
See instructions for proper earth ground connections

NOTES

NOTE 1:
The combined standby current drawn from aux pwr #1, aux pwr #2 and polling loop cannot exceed 1.0A. The combined alarm current drawn from aux pwr #1, aux pwr #2, polling loop, bell 1 and bell 2 cannot exceed 2.3A.

NOTE 2:
2k EOLR is Ademco model 610-7

NOTE 3:
See instructions on setting addresses & for max # of keypads and wire run length restrictions. Keypad color subject to approval of local authority.

Each output may be selected for Style Y supervision or no supervision (See main PCB jumpers W1, W4 and program field 3*10)
FIRE CKTS: Supervise using 2k EOLR. Use polarized sounding devices.
BURG CKTS: Supervision not req'd. EOLRs not req'd. May use non polarized devices.
Ratings: 10 - 14VDC, 1.7A max. See note 1, see instructions for compatible devices.
For commercial fire, bell timeout must be a minimum of 6 minutes.

ALL CIRCUITS ARE POWER LIMITED EXCEPT THE OUTPUT OF THE 1451 TRANSFORMER

ZONE 1-8 NOTES
• All zones provide Style B supervision
• Zone resistance (excluding EOLR):
  - Zones 1, 2, 8: 100 ohms max
  - Other zones: 300 ohms max
• Zone response: 350 - 500mS (all zones)

• Ratings for zones 1,2:
  - 10 - 14VDC
  - 2mA max for smoke det. (up to 16 detectors of the type specified in the instructions can be used)
• UL compatibility ID: A
Do not mix fire and burg. sensors on one loop.
N.C. contacts for burg. usage only.

VISTA-128FB
SUMMARY OF CONNECTIONS

The VISTA-128 Main Dialer Complies with FCC Rules, Part 68 FCC Reg. No.: AC398U-68192-AL-E Ringer Equivalence: 0.7B

V128FB-PR 5/98