




VISTA-128FB



Commercial Fire & 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. |
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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**

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 #

- 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]
 TAMPERS 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]
 Alarm 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 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 [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. & Keypress 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.

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]
- **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 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.

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

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	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
		Down	008	Kitchen.....	022	Open.....	148	Station	156
Baby	120	Downstairs.....	184	Laundry.....	140	Outside	210	Storage.....	157
Back.....	121	Driveway.....	130	Left.....	027	Panic.....	013	Sun	154
Bar	122	Duct	131	Light.....	019	Partition	090	System	062
Basement	021	East	132	Living	030	Patio	149	Temperature....	158
Bathroom	051	Eight	077	Loading.....	142	Phone	061	Third	159
Battery	053	Eighth	221	Lower.....	094	Power	063	Three	072
Bed	092	Equipment	133	Machine	143	Pump	166	Tool	213
Bedroom	015	Exit.....	004	Master.....	144	Rear	088	Two.....	071
Blower.....	123	Factory.....	134	Medical	014	Right	028	Up.....	025
Boiler	124	Father's.....	211	Motion.....	145	Room.....	018	Upper.....	187
Bright	162	Fence.....	135	Nine	078	's	007	Upstairs	183
Building.....	125	Fifth.....	218	Ninth	222	Second	056	Utility.....	185
Burglary	039	Fire	040			Service	150	West	215
		First	136			Seven	076	Window.....	017
Call	009	Five.....	074			Seventh	220	Wing	216
Central	089	Floor	029			Shed	151	Zero	069
Chime	054	Four	073			Shop	152	Zone	002
Closed	126	Fourth	217						
Computer.....	127	Foyer	137						
Console	066								

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: <ul style="list-style-type: none"> • 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		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.

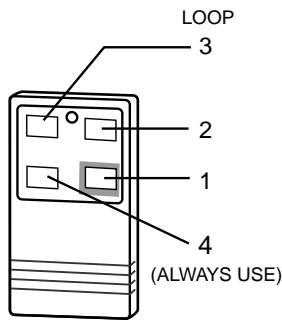
Acc Sch	Mon		Tues		Wed		Thurs		Fri		Sat		Sun		Hol	
	W1	W2	W1	W2	W1	W2	W1	W2	W1	W2	W1	W2	W1	W2	W1	W2
1																
2																
3																
4																
5																
6																
7																
8																

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.

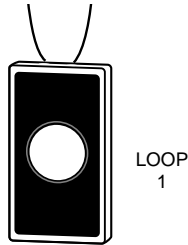
Partition/Windows		Mon	Tue	Wed	Thu	Fri	Sat	Sun
1	Disarm Window							
	Start Time HH:MM							
	Stop Time HH:MM							
	Arm Window							
	Start Time HH:MM							
	Stop Time HH:MM							
2	Disarm Window							
	Start Time HH:MM							
	Stop Time HH:MM							
	Arm Window							
	Start Time HH:MM					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

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							

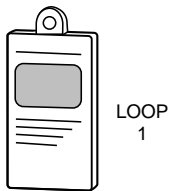
5800 Series RF Transmitter Loop Designations



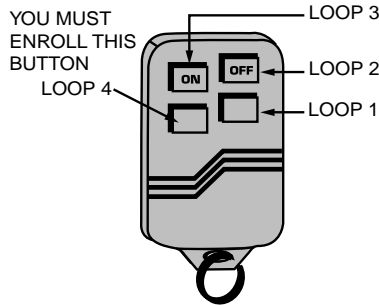
5801
ENROLL AS "UR" OR "RF"



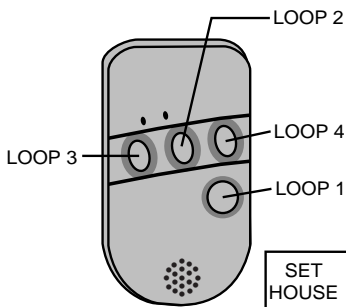
5802/5802CP
ENROLL AS "BR"



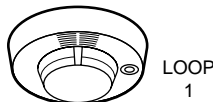
5802MN
ENROLL AS "UR" OR "RF"



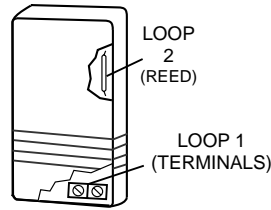
5804
ENROLL AS "BR"



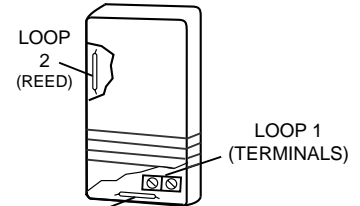
5804BD
ENROLL AS "BR"



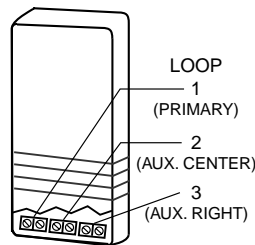
5806/5807/5808
(5806 SHOWN)
ENROLL AS "RF"



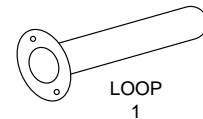
5816
ENROLL AS "RF"



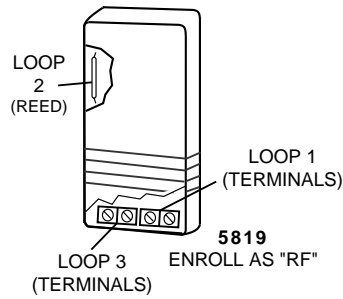
5816MN
ENROLL AS "RF"



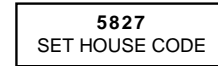
5817
ENROLL AS "RF"



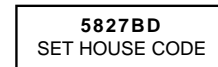
5818
ENROLL AS "RF"



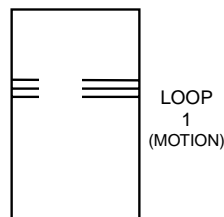
5819
ENROLL AS "RF"



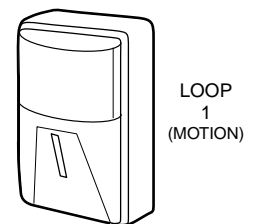
5827
SET HOUSE CODE



5827BD
SET HOUSE CODE



5849
ENROLL AS "RF"



5890
ENROLL AS "RF"

WARNING: OWNER'S INSTRUCTION NOTICE NOT TO BE REMOVED
REFER TO INSTRUCTIONS N8988 FOR ADDITIONAL INFORMATION

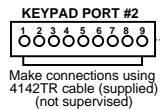
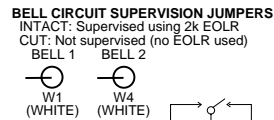
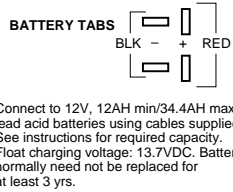
TEST BURGLARY SYSTEM WEEKLY

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.

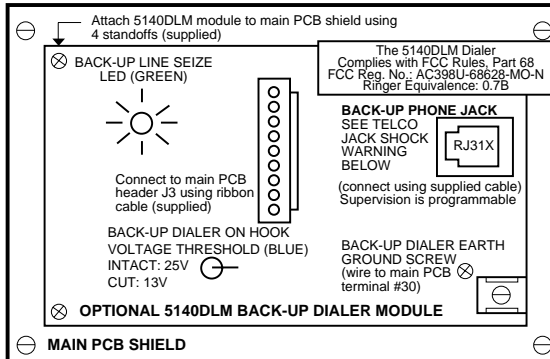
CIRCUIT (ZONE)	CONTROL UNIT DELAY-SEC	SMOKE DETECTOR MODEL	DETECTOR DELAY-SEC

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

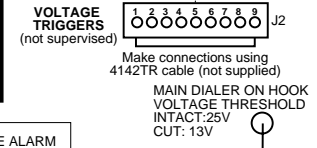


TYPES OF FIRE SIGNALLING SERVICE:

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.

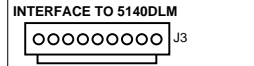


- J2 VOLTAGE TRIGGERS**
See instructions for trigger use and programming (default functions shown)
- OUT 4 (SILENT PANIC/DURESS)
 - OUT 7 (TROUBLE)
 - OUT 3 (BURGLARY/AUDIBLE PANIC)
 - OUT 6 (SUPERVISORY)
 - OUT 2 (FIRE)
 - OUT 5 (REMOTE KEYPAD SOUNDER)
 - OUT 1 (OPEN/CLOSE)
 - GROUND
 - IN 1 (N.O. LOOP)
- 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

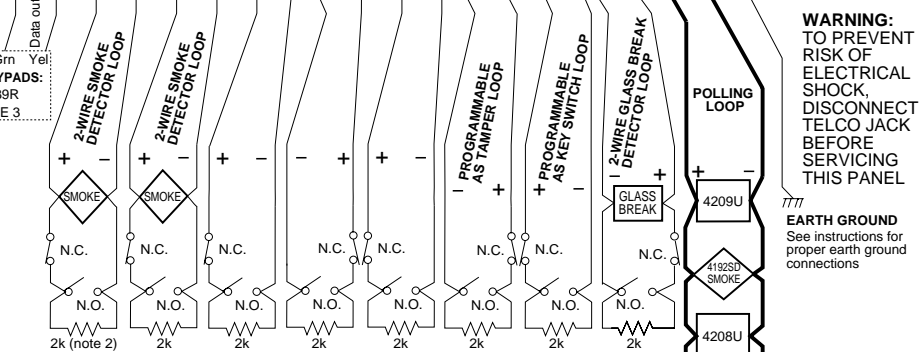
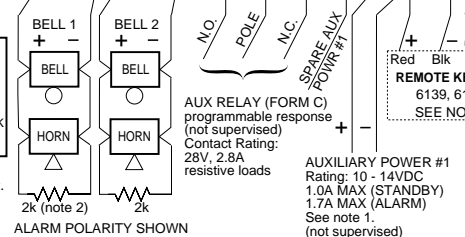
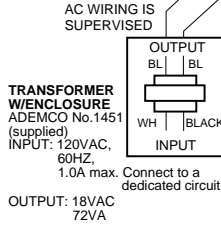
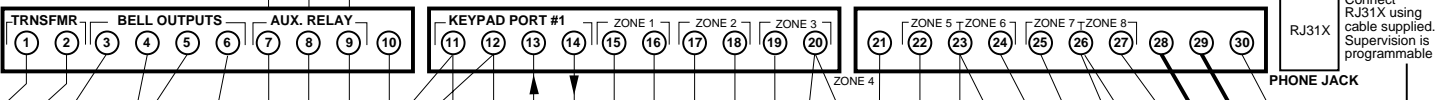


- J4 KEYPAD PORT #2**
See instr. regarding port #2 use
- GROUND (to keypad black wire)
 - DATA IN 2 (to keypad green wire)
 - AUX PWR #2 (to keypad red wire)
- Rating: 10 - 14 VDC, 400mA max. See note 1
- DATA OUT 2 (to keypad yellow wire)
- PINS 2, 3, 6, 8 & 9 NOT USED

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.



OPTIONAL REMOVABLE TERMINAL BLOCK KIT:
ADEMCO NO. 4142BLK



- 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.

TO OTHER DEVICES

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

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

**VISTA-128FB
SUMMARY OF CONNECTIONS**

**ADEMCO
GROUP**

165 Eileen Way Syosset, NY, 11791
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