Honeywell

ADEMCO VISTA SERIES
VISTA-20P / VISTA-20PSIA
VISTA-15P / VISTA-15PSIA
Security Systems

Programming Guide

K5305-1PRV6 7/08 Rev. A

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PROGRAMMING MODE COMMANDS

TO ENTER PROGRAMMING MODE (using an alpha keypad connected to the control)**:**

A. POWER UP, then press [✱] and [#] at the same time, within 50 seconds of powering up (this method must be used if ✱98 was used to exit program mode). **OR**

B. Initially, key: Installer Code (4 + 1 + 1 + 2) plus 8 + 0 + 0.

PROGRAMMING COMMANDS

Task	Command/Explanation
Go to a Data Field	**Press [∗] + [Field Number], followed by the required entry.**
Entering Data	When the desired field number appears, simply make the required entry. When the last entry for a field is entered, the keypad beeps three times and automatically displays the next data field in sequence. If the number of digits that you need to enter in a data field is less than the maximum digits available (for example, the phone number fields *41, *42), enter the desired data, then press [∗] to end the entry. The next data field number is displayed.
Review a Data Field	**Press [#] + [Field Number].** Data will be displayed for that field number. No changes will be accepted in this mode.
Deleting an Entry	**Press [∗] + [Field Number] + [∗].** (Applies only to fields ∗40 thru *46, *94, and pager fields)
Initialize Download ID	**Press ∗96.** Initializes download ID and subscriber account number.
Reset Factory Defaults	**Press ∗97.** Sets all data fields to original factory default values.
Zone Programming	**Press ∗56.** Zone characteristics, report codes, alpha descriptors, and serial numbers for 5800 RF transmitters.
Function Key Programming	**Press ∗57.** Unlabeled keypad keys (known as ABCD keys) for special functions
Zone Programming (Expert Mode)	**Press ∗58.** Same options as *56 mode, but with fewer prompts. Intended for those familiar with this type of programming, otherwise *56 mode is recommended.
Output Device Mapping	**Press ∗79.** Assign module addresses and map individual relays/powerline carrier devices
Output Programming	**Press ∗80.** 4229 or 4204 Relay modules, Powerline Carrier devices, or on-board triggers
Zone List Programming	**Press ∗81.** Zone Lists for relay/powerline carrier activation, chime zones, pager zones, etc.
Alpha Programming	**Press ∗82.** Zone alpha descriptors
Exit Program Mode with installer code lockout	**Press ∗98.** Exits programming mode and *prevents* re-entry by: Installer Code + 8 + 0 + 0. To reenter programming mode, the system must be powered down, then powered up. Then use method A above. See field *88 for other *98 Program mode lockout options.
Exit Program Mode	**Press ∗99.** Exits program mode and *allows* re-entry by: Installer Code + 8 + 0 + 0 or method A above.

SPECIAL PROGRAMMING MESSAGES

OC = OPEN CIRCUIT (no communication between Keypad and Control).

EE or **ENTRY ERROR** = ERROR (invalid field number entered; re-enter valid field number).

After powering up, **AC, dl** (disabled) or **Busy Standby** and **NOT READY** will be displayed after approximately 4 seconds. This will revert to a "**Ready**" message in approximately 1 minute, which allows PIRS, etc. to stabilize. You can bypass this delay by pressing [#] + [0].

If **E4** or **E8** appears, more zones than the expansion units can handle have been programmed. The display will clear after you correct the programming.

IMPORTANT: The Real-Time Clock must be set before the end of the installation. See procedure in the Setting the Real-Time Clock section of this manual.

DATA FIELD PROGRAMMING FORM

Entries apply to the ADEMCO VISTA-15P/VISTA-15PSIA and ADEMCO VISTA-20P/VISTA-20PSIA controls, except entries shown in dashed boxes, which apply only to the VISTA-20P/VISTA-20PSIA (partition entries) and are not applicable to the VISTA-15P/VISTA-15PSIA. In addition, where noted, certain fields have special settings when used with the VISTA-20PSIA/VISTA-15PSIA (indicated by **V20PSIA/V15PSIA** with heavy borders and reverse type throughout for easy identification).
Entry of a number other than one specified will give unpredictable results. Values shown in brackets are factory defaults.
SIA Guidelines: Notes in certain fields give instructions for programming the VISTA-20P/VISTA-15P for False Alarm Reduction.

***20 Installer Code** [4112] | | | |
4 digits, 0–9

***21 Quick Arm Enable** [0,0] Part. 1 Part.2
0 = no; 1 = yes

***22 RF Jam Option** [0]
0 = no RF Jam detection; 1 = send RF Jam report
UL: must be 1 if wireless devices are used

***23 Quick (Forced) Bypass** [0,0] Part. 1 Part. 2
0 = no quick bypass UL: must be "0"
1 = allow quick bypass (code + [6] + [#])

***24 RF House ID Code** [00,00,00] P1 P2 Common
00 = disable all wireless keypad use
01–31 = using 5827, 5827BD or 5804BD keypad

***26 Chime By Zone** [0]
0 = no; 1 = yes (list chime zones on zone list 3 using *81 Menu mode)

***27 Powerline Carrier Device (X–10)** [0]

House Code
0 = A; 1 = B; 2 = C; 3 = D; 4 = E; 5 = F; 6 = G; 7 = H; 8 = I;
9 = J; #10 = K; #11 = L; #12 = M; #13 = N; #14 = O; #15 = P
UL: not for fire or UL installations

***28 Access Code For Phone Module** [00] (Partition 1 only)
00 = disable;
1st digit: enter 1–9;
2nd digit: enter # + 11 for "✱", or # + 12 for "#".
UL: must be "00" for UL Commercial Burg. installations

***29 Long Range Radio Output** [0]

(Communications Device Enable)
0 = disable; 1 = enable the communications device
NOTE: Connecting an appropriate communications device automatically provides upload/download via IP capability. Enabling this field provides communication device supervision and IP alarm reporting.

***31 Single Alarm Sounding Per Zone** [0]
0 = unlimited sounding; 1 = one alarm sounding per zone

V20PSIA/V15PSIA: If "0" selected, "alarm sounding per zone" will be the same as the "number of reports in armed period" set in field *93 (1 if one report, 2 if 2 reports, unlimited for zones in zone list 7).

***32 Fire Alarm Sounder Timeout** [0]
0 = sound stops at timeout; 1 = no timeout
UL: must be "1" for fire install.

***33 Alarm Sounder (Bell) Timeout** [1]
0 = none; 1 = 4 min; 2 = 8 min; 3 =12 min; 4 = 16 min;
UL: For residential fire alarm installation, must be set for a minimum of 4 min (option 1); for UL Commercial Burglary installations, must be minimum 16 min (option 4)

***34 Exit Delay** [60,60] Part. 1 Part. 2
00 - 96 = 0 - 96 secs; 97 = 120 secs
SIA Guidelines: minimum exit delay is 45 seconds

V20PSIA/V15PSIA: 45 - 96 = 45 - 96 secs; 97 = 120 secs
NOTE: Entries less than 45 will result in a 45-second delay.

UL: see inst. instr. for requirements.
Common zones use part. 1 delay.

***35 Entry Delay #1** [30,30] Part. 1 Part. 2
Common zones use same delay as part 1.
00 - 96 = 0 - 96 seconds; 97 = 120 secs; 98 = 180 secs; 99 = 240 secs
SIA Guidelines: minimum entry delay is 30 seconds

V20PSIA/V15PSIA:
30-96 = 30 - 96 secs; 97 = 120 secs; 98 = 180 secs; 99 = 240 secs
NOTE: Entries less than 30 will result in a 30-second delay.

For UL Residential Burglary Alarm installations, must be set for a maximum of 30 seconds; entry delay plus dial delay should not exceed 1 min. For UL Commercial Burglar Alarm, total entry delay may not exceed 45 seconds.

***36 Entry Delay #2** [30,30] Part. 1 Part. 2
See *35 Entry Delay 1 for entries.

***37 Audible Exit Warning** [1,1] Part. 1 Part. 2
0 = no; 1 = yes
(SIA Guidelines: must be enabled)

V20PSIA/V15PSIA: Feature always enabled; field does not exist.

***38 Confirmation Of Arming Ding** [0,0] Part. 1 Part. 2
0 = no; 1 = yes (wired keypads and RF)
2 = yes, RF only (except 5827, 5827BD)
UL: must be "1" for UL Commercial Burglar Alarm inst.

***39 Power Up In Previous State** [1]
0 = no, always power up disarmed;
1 = yes, power up in previous state
UL: must be "1" SIA Guidelines: must be "1"

V20PSIA/V15PSIA: Feature must be enabled (enter 1).

DIALER PROGRAMMING (✱40 – ✱42)
Do not fill unused spaces. Enter 0–9; #+11 for '✱'; #+12 for '#'; #+13 for a 2-second pause. If fewer than the maximum digits entered, exit the field by pressing [✱]. The next data field number is displayed.

***40 PABX Access Code or** | | | | | |

Call Waiting Disable
Enter up to 6 digits. To clear entries, press ✱40✱. If call waiting is used, enter call waiting disable digits "✱ (#+11) 70" plus "# + 13" (pause).
NOTES: 1. The call waiting disable feature cannot be used on a PABX line.
2. Using Call Waiting Disable on a non-call waiting line will prevent successful communication to the central station.

V20PSIA/V15PSIA: If call waiting is used, enter call waiting disable digits as described above, and also set Call Waiting Disable option in field *91.

∗41 Primary Phone No.

∗42 Secondary Phone No.

Enter up to 20 digits. To clear entries, press ∗41∗ or ∗42∗ respectively.

NOTE: For fields *43 thru *46: Enter 0–9; #+11 for B; #+12 for C; #+13 for D; #+14 for E; #+15 for F. Enter [∗] as the fourth digit if a 3-digit account number (for 3+1 dialer reporting format) is used. Enter 0 as the first digit of a 4-digit account number for Nos. 0000-0999. Exit field by pressing ∗ if only 3 digits are used. E.g., For Acct. **B234**, enter: #+11 + 2 + 3 + 4

∗43 Partition 1 Primary Acct. No.

			/						

[FFFFFFFFFF]

Enter 4 or 10 digits, as chosen in *48 Report Format. See box above. To clear entries, press *43*.

∗44 Part. 1 Secondary Acct. No. (see field *43 for entries)

			/						

[FFFFFFFFFF] To clear, press *44*.

∗45 Partition 2 Primary Acct. No. (see field *43 for entries)

			/						

[FFFFFFFFFF] To clear, press *45*.

∗46 Partition 2 Secondary Acct. No. (see field *43 for entries)

			/						

[FFFFFFFFFF] To clear, press *46*.

∗47 Phone System Select [1]

If Cent. Sta. **is not** on a WATS line:
0=Pulse Dial; 1=Tone Dial;
if Cent. Sta. **is** on a WATS line:
2 = Pulse Dial ; 3 = Tone Dial

∗48 Report Format [77]

primary secondary

0 = 3+1, 4+1 ADEMCO L/S STANDARD
1 = 3+1, 4+1 RADIONICS STANDARD;
2 = 4+2 ADEMCO L/S STAND.
3 = 4+2 RADIONICS STANDARD
5 = 10-digit ADEMCO CONTACT ID® REPORTING
6 = 4+2 ADEMCO EXPRESS
7 = 4-digit ADEMCO CONTACT ID® REPORTING
8 = 3+1, 4+1 ADEMCO L/S EXP.;
9 = 3+1, 4+1 RADIONICS EXP

∗49 Split/Dual Reporting [0]

0 = Standard/backup reporting only (all to primary)

Primary Phone No.	2nd Phone No.
1 = Alarms, Restore, Cancel	Others
2 = All except Open/Close, Test	Open/Close, Test
3 = Alarms, Restore, Cancel	All
4 = All except Open/Close, Test	All
5 = All	All

∗50 Burglary Dialer Delay [2,0]

Delay Time V20PSIA/V15PSIA Delay Disable

Delay Time:
0 = no delay UL: must be "0"
1 = 15 seconds; 2 = 30 seconds; 3 = 45 seconds
SIA Guidelines: delay must be minimum of 15 seconds

V20PSIA/V15PSIA:
Delay Time: 1 = 15 seconds; 2 = 30 seconds; 3 = 45 seconds
Delay Disable:
0 = use delay set in entry 1
1 = dial delay disabled for zones listed in zone list 6 (use zone list 6 to enter those zones that require dial delay to be disabled; these zones ignore the setting in entry 1)

UL: Dial delay plus entry delay must not exceed one minute; use zone list 6 to disable dial delay from appropriate zones, if necessary.

∗53 SESCOA/Radionics Select [0]

0 = Radionics (0-9, B-F); enter "0" for all non-SESCOA formats
1 = SESCOA (0-9 only reporting)

∗54 Dynamic Signaling Delay [0]

Select delay from 0 to 225 secs, in 15-sec increments.
0 = no delay (both signals sent); 1 = 15 secs; 2 = 30 secs, etc.
UL: If using line security, must be "0"

∗55 Dynamic Signaling Priority [0]

0 = Primary Dialer first; 1 = Long Range Radio first.
For UL Commercial Burglary installations that use a DACT and LRR, this field must be "0".

∗56, ∗57, ∗58 Menu Modes

These are Menu Mode commands, not data fields, for Zone Programming, Function Key Programming, and Expert Mode Zone Programming respectively. See page 3 and respective sections later in this document.

TO PROGRAM SYSTEM STATUS, & RESTORE REPORT CODES (∗59 thru ∗68, *70 thru ∗76, and ∗89):
For 3+1 or 4+1 Standard Format: Enter a code in the *first* box: 1–9, #+10 for 0, #+11 for B, #+12 for C, #+13 for D, #+14 for E, #+15 for F.
A 0 (*not* #+10) in the *first* box will disable a report. A 0 (*not* #+10) in the *second* box will result in automatic advance to the next field.
For Expanded or 4+2 Format: Enter codes in *both* boxes (1st and 2nd digits) for 1–9, 0, or B–F, as described above.
A 0 (*not* #+10) in the *second* box will eliminate the expanded message for that report. A 0 (*not* #+10) in *both* boxes will disable the report.
For Ademco Contact ID® Reporting: Enter any digit (other than 0) in the *first* box, to enable zone to report (entries in the *second* boxes are ignored).
A 0 (*not* #+10) in the *first* box disables the report.
UL: see installation instructions for requirements

SYSTEM STATUS REPORT CODES (∗59–∗ 68)

∗59 Exit Error Alarm Report Code [0]

See above for entries.

V20PSIA/V15PSIA: [1] Always enabled.

∗60 Trouble Report Code [00]

∗61 Bypass Report Code [00]

∗62 AC Loss Report Code [00]

∗63 Low Bat Report Code [00]

∗64 Test Report Code [00]

Use Scheduling mode to set periodic test reports, or use the following key commands:
installer code +[#] + [0] + 0 = test report sent every 24 hrs
installer code +[#] + [0] + 1 = test report once per week
installer code +[#] + [0] + 2 = test report sent every 28 day
Each mode sets schedule 32 (VISTA-20P) or schedule 08 (VISTA-15P) to the stated repeat option; first test report sent 12 hours after command.

∗65 Open Report Code [0,0,0]

Part. 1 Part. 2 Common

∗66 Arm Away/Stay Rpt Code

[0,0,0,0,0,0]

Away Stay Away Stay Away Stay
Part. 1 Part. 2 Common

∗67 RF Trans. Low Bat Report Code [00]

UL: must be enabled if wireless devices are used

∗68 Cancel Report Code [00]

V20PSIA/V15PSIA: [10] Report enabled.

∗69 Recent Closing Report Code [11]

V20PSIA/V15PSIA: Always enabled.
Field does not apply to other controls.

RESTORE REPORT CODES (✱70 – ✱76)

✱70 Alarm Restore Rpt Code [0]

NOTE: Alarm restore signals indicate that respective alarm zone(s) are no longer faulted. Alarm restore reports are sent to the central station at bell timeout (field *33), if the zone(s) in alarm are actually restored to a non-faulted state at that time. Otherwise, alarm restore report(s) for respective alarm zones are sent when the system is disarmed.

If **Reports Per Armed Period Per Zone** (*93) is also programmed, the system will report alarm and restore codes as described above until the "Reports Per Armed Period" count is reached. Disarming and rearming will reset the "Reports Per Armed Period" count.

✱71 Trouble Restore Rpt Code [00]

✱72 Bypass Restore Rpt Code [00]

✱73 AC Restore Rpt Code [00]

✱74 Low Bat Restore Rpt Code [00]

✱75 RF Trans. Lo Bat Rst Rpt Code [00]

UL: must be enabled if wireless devices are used

✱76 Test Restore Rpt Code [00]

OUTPUT AND SYSTEM SETUP (✱77 – ✱93)

✱77 Daylight Savings Time [3][11]

Start/End Month

0 = Disabled
1-12 = January-September (1 = Jan, 2 = Feb, etc)
#+10 = October; #+11 = November; #+12 = December

✱78 Daylight Savings Time [2][1]

Start/End Weekend

0 = disabled; 1 = first; 2 = second; 3 = third; 4 = fourth;
5 = last; 6 = next to last; 7 = third to last

✱79, ✱80, ✱81, ✱82 Menu Modes

These are Menu Mode commands, not data fields, for Output Device Mapping, Output Programming, Zone List Programming, and Alpha Programming respectively. See page 2 and their respective sections in the Installation and Setup Guide for procedures.

✱84 Auto Stay Arm [3]

0 = no; 1 = partition 1 only; 2 = partition 2 only;
3 = both partitions

✱85 Cross Zone Timer [0]

This option not for use in UL installations.

(assign cross zones on zone list 4, using *81 Menu mode)

0 = 15 seconds	6 = 2-1/2 min	#+12 = 8 min
1 = 30 seconds	7 = 3 min	#+13 = 10 min
2 = 45 seconds	8 = 4 min	#+14 = 12 min
3 = 60 seconds	9 = 5 min	#+15 = 15 min
4 = 90 seconds	#+10 = 6 min	
5 = 2 minutes	#+11 = 7 min	

NOTE: Cross zoning takes effect only after Exit Delay expires.

✱86 Cancel Verify Keypad Display [1]

0 = no "alarm canceled" display
1 = display "Alarm Canceled" when system is disarmed after an alarm has occurred. (To clear the "ALARM CANCELED" display, the user must enter the security code + OFF again.)

✱87 Misc. Fault Delay Time [0]

(used with Configurable Zone Types "digit 6")

0 = 15 seconds	6 = 2-1/2 min	#+12 = 8 min
1 = 30 seconds	7 = 3 min	#+13 = 10 min
2 = 45 seconds	8 = 4 min	#+14 = 12 min
3 = 60 seconds	9 = 5 min	#+15 = 15 min
4 = 90 seconds	#+10 = 6 min	
5 = 2 minutes	#+11 = 7 min	

UL: may only be used on non-burglar alarm/ non-fire alarm zones when used in fire and/or UL burglar alarm installation

✱88 Program Mode Lockout Options [0]

0 = standard *98 installer code lockout (reentry only by [✱] + [#] within 50 seconds after power up)
1 = lockout [✱] + [#] reentry after *98 exit (reenter via installer code or downloader only)
2 = not used
3 = lockout local programming after *98 exit (reenter by downloader only)

✱89 Event Log Full Report Code [00]

See box above field *59 for report code entries.

✱90 Event Log Enables [3]

NOTE*:* System messages are logged when any non-zero entry is made.
0 = None
1 = Alarm/Alarm Restore
2 = Trouble/Trouble Restore
4 = Bypass/Bypass Restore
8 = Open/Close. *Example:* To select "Alarm/Alarm Restore", and "Open/Close", enter 9 (1 + 8); To select all, enter #15.

✱91 Option Selection [8, 0]

Options: 0 = None — Options
4 = AAV — **V20PSIA/V15PSIA** Call Wait Disable

UL: must use ADEMCO UVCM module

8 = Exit Delay Restart/Reset UL: must be disabled
#+12 = AAV and Exit Delay Restart/Reset
SIA Guidelines: Exit Delay should be enabled.

V20PSIA/V15PSIA:
Options: Same as listed above.
Call Waiting Disable:
0 = call waiting not used
1 = call waiting disable digits (*70) entered in field *40; (when selected, the system dials the entry in field *40 only on alternate dial attempts; this allows proper dialing in the event call waiting service is later canceled by the user).

✱92 Phone Line Monitor Enable [0,0]

UL: see Inst. Instructions for requirements — 1 2

Entry 1:: 0 = disabled, 1-15 = 1 min - 15 min
(#+10 = 10 min; #+11 = 11 min; #+12 = 12 min;
#+13 = 13 min; #+14 = 14 min; #+15 = 15 min)
Entry 2:
0 = Keypad display when line is faulted
1 = Keypad display plus keypad trouble sound
2 = Same as "1", plus programmed output device STARTS. If either partition is armed, external sounder activates also.
NOTE: Output Device must either be programmed to be STOPPED in field ✱80 or STOPPED by Code + # + 8 + output number.

✱93 Reports In Armed Period [1,0]

Per Zone (Swinger Suppression) — Restrict Report Pairs — **V20PSIA/V15PSIA** Unlimited Reports Enable
Restrict Report Pairs:
0 = Unlimited Reports
1 = 1 report pair
2 = 2 report pairs (SIA Guidelines: Must be set for option 1 or 2)

V20PSIA/V15PSIA:
Restrict Report Pairs: 1 = 1 report pair; 2 = 2 report pairs
Unlimited Reports Enable:
0 = restrict reports to the setting in entry 1
1 = unlimited reports for zones listed in zone list 7; (use zone list 7 to enter those zones that require unlimited reporting; these zones ignore the setting in entry 1)

DOWNLOAD INFORMATION (✱94, ✱95)

✱94 Download Phone No.

Enter up to 20 digits, 0–9; #+11 for '✱'; #+12 for '#'; #+13 for a 2-second pause. Do not fill unused spaces. If fewer than 20 digits, exit field by pressing ✱. To clear entries from field, press ✱94✱.

UL: downloading may be performed only if a technician is at the site. Up/downloading via the Internet has not been evaluated by UL.

✱95 Ring Count For Downloading [15]

NOTE: Do not enter "0" if using 4286 Phone Module.
0 = Disable Station Initiated Download;
1–14 = number of rings (1–9, # +10 =10, # +11 =11, # +12 =12, # +13 =13, # +14 =14);
15 = answering machine defeat (# +15 =15).

✱96, ✱97 Initialize/Reset Defaults

This is a command, not a data field. See page 2.

✱98, *99 Exit Commands

This is a command, not a data field. See page 2.

PAGER OPTIONS (✱160- ✱172)

✱160 Pager 1 Phone No.

Enter up to 20 digits. 0–9; #+11 = '✱'; #+12 = '#'; #+13 = 2-sec pause

✱161 Pager 1 Characters

Enter the optional prefix characters, up to 16 digits.
0–9; #+11 = '✱'; #+12 = '#'; #+13 = 2-second pause.

✱162 Pager 1 Report Options [0,0,0]

P1 P2 comm

For each partition, select from the following options:
0 = no reports sent
1 = Opens/closes all users†
4 = All alarms and troubles
5 = All alarms / troubles, and opens/closes for all users
12 = Alarms / troubles for zones entered in zone list 9
13 = Alarms / troubles for zones entered in zone list 9, and opens/closes for all users

† Reports to pager only when arming (close)/disarming (open) from a keypad using a security code; auto-arming/disarming, arming with assigned button, and keyswitch arming do not send pager messages.

✱163 Pager 2 Phone No.

Enter up to 20 digits. 0–9; #+11 = 'Q'; #+12 = '#'; #+13 = 2-sec pause

✱164 Pager 2 Characters

Enter the optional prefix characters, up to 16 digits.
0–9; #+11 = '✱'; #+12 = '#'; #+13 = 2-second pause.

✱165 Pager 2 Report Options [0,0,0]

P1 P2 comm

See field *162 for reporting options. Select for each partition (use zone list 10 if using options 12 or 13).

✱166 Pager 3 Phone No.

Enter up to 20 digits. 0–9; #+11 = '✱'; #+12 = '#'; #+13 = 2-sec pause

✱167 Pager 3 Characters

Enter the optional prefix characters, up to 16 digits.
0–9; #+11 = '✱'; #+12 = '#'; #+13 = 2-second pause.

✱168 Pager 3 Report Options [0,0,0]

P1 P2 comm

See field *162 for reporting options. Select for each partition (use zone list 11 if using options 12 or 13).

✱169 Pager 4 Phone No.

Enter up to 20 digits. 0–9; #+11 = '✱'; #+12 = '#'; #+13 = 2-sec pause

✱170 Pager 4 Characters

Enter the optional prefix characters, up to 16 digits.
0–9; #+11 = '✱'; #+12 = '#'; #+13 = 2-second pause.

✱171 Pager 4 Report Options [0,0,0]

P1 P2 comm

See field *162 for reporting options. Select for each partition (use zone list 12 if using options 12 or 13).

✱172 Pager Delay Option For Alarms [3]

0 = none; 1 = 1 minute; 2 = 2 minutes; 3 = 3 minutes
This delay is for ALL pagers in the system.

MISCELLANEOUS SYSTEM FIELDS (*174-*181)

✱174 Clean Me Reporting Options [0]

(for ESL smoke detectors)
0 = disable; 1 = Clean Me signal reports;
NOTE: If Clean Me is enabled, you must enter "3" in field ✱56 programming for zone 1 response time.

✱177 Device Duration 1, 2 [0] [0]

(used in *80 Menu mode-Device Actions 5/6) 1 2

0 = 15 seconds	6 = 2-1/2 min	#+11 = 7 min
1 = 30 seconds	7 = 3 min	#+12 = 8 min
2 = 45 seconds	8 = 4 min	#+13 = 10 min
3 = 60 seconds	9 = 5 min	#+14 = 12 min
4 = 90 seconds	#+10 = 6 min	#+15 = 15 min
5 = 2 minutes		

✱181 50/60 Hertz AC Operation [0]

0 = 60 Hz; 1 = 50 Hz

CONFIGURABLE ZONE TYPE OPTIONS (*182-*185)

(see Configurable Zone Type Worksheet on page 9)

✱182 Configurable Zone Type 90

1 2 3 4 5 6 7 8 9 10

Enter the appropriate value for each entry, 1-10, based on the charts provided on the next page. Each entry is the sum of the values of its selected options
(0-9, #+10=10, #+11=11, #+12=12, #+13=13, #+14=14, #+15=15).

UL: Do not configure zones as a fire alarm or UL burglar alarm zone.

✱183 Zone Type 90 Report Codes

IMPORTANT: Use existing Contact ID® codes, if appropriate, or define unique codes in CID code range 750-789. See important note in installation instructions.

90 ALARM ID: XXX
TROUBLE ID: XXX

Enter the desired 3-digit Contact ID® report codes for alarms and troubles occurring on zones assigned to this zone type. Enter the codes sequentially (all 6 digits). When entering digits, [#] moves cursor back, [✱] moves forward. Press [✱] when done to continue.

∗184 Configurable Zone Type 91

☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

1 2 3 4 5 6 7 8 9 10

Enter the appropriate value for each entry, 1-10, based on the charts provided on the next page. Each entry is the sum of the values of its selected options (0-9, #+10=10, #+11=11, #+12=12, #+13=13, #+14=14, #+15=15).

UL: Do not configure zones as a fire alarm or UL burglar alarm zone.

∗185 Zone Type 91 Report Codes

IMPORTANT: Use existing Contact ID® codes, if appropriate, or define unique codes in CID code range 750-789. See important note in installation instructions.

91 ALARM ID: XXX
TROUBLE ID: XXX

Enter the desired 3-digit Contact ID® report codes for alarms and troubles occurring on zones assigned to this zone type. Enter the codes sequentially (all 6 digits). When entering digits, [#] moves cursor back, [∗] moves forward. Press [∗] when done to continue.

∗189 AUI Device Enables [1, 1, 0, 0] ☐ ☐ ⋯ ⋯

(for Touch Screen Style Keypads) AUI 1 AUI 2 AUI 3 AUI 4

System supports touch screen style keypads (e.g., Symphony Advanced User Interface, and 6270 Touch Screen Keypad; V20P = up to 4; V15P = up to 2).

AUI Compatibility Note: To ensure proper AUI device operation, use AUI devices with the following rev levels: 6270 series use version 1.0.9 or higher; 8132/8142 (Symphony) series use version 1.1.175 or higher.

Touch Screen (AUI) device 1: Must set device address to 1
Touch Screen (AUI) device 2: Must set device address to 2
Touch Screen (AUI) device 3: Must set device address to 5
Touch Screen (AUI) device 4: Must set device address to 6

VISTA-20P: Enter each touch screen keypad's home partition
0 = disable; 1 = partition 1; 2 = partition 2;
3 = partition 3 (common)

VISTA-15P: 0 = disable; 1 = enable

NOTE: Use of touch screen style keypads does not affect the number of standard keypads supported.

KEYPAD OPTIONS ∗190-∗196

N**OTES**: 1. Options for keypad 1, address 16, are set by the factory and cannot be changed.

2. Each keypad must be assigned a unique address. Keypads programmed with the same address will give unpredictable results.

∗190 Keypad 2 Device Address 17 [0] [0] ☐ ☐

†Partition/Enable: Part./Enable† Sound

VISTA-20P: Enter partition where:
0 = keypad disabled; 1-3 = part. no. (3 = com)

VISTA-15P: 1 = enable; 0 = disable

Sound: 0 = no suppression
1 = suppress arm/disarm and E/E beeps
2 = Suppress chime beeps only
3 = suppress arm/disarm, E/E, and chime beeps

∗191 Keypad 3 Device Address 18 [0] [0] ☐ ☐

See field ∗190 for entries. Part./Enable Sound

∗192 Keypad 4 Device Address 19 [0] [0] ☐ ☐

See field ∗190 for entries. Part./Enable Sound

∗193 Keypad 5 Device Address 20 [0] [0] ☐ ☐

See field ∗190 for entries. Part./Enable Sound

∗194 Keypad 6 Device Address 21 [0] [0] ☐ ☐

See field ∗190 for entries. Part./Enable Sound

∗195 Keypad 7 Device Address 22 [0] [0] ☐ ☐

See field ∗190 for entries. Part./Enable Sound

∗196 Keypad 8 Device Address 23 [0] [0] ☐ ☐

See field ∗190 for entries. Part./Enable Sound

∗197 Exit Time Display Interval [0] ☐

0 = no display; 1-5 = seconds between display refresh

NOTE: If enabled and using only 2-digit fixed-word keypads (e.g., 6150RF), do not set exit delay time greater than 96 seconds. See Inst. Instr. for explanation.

TOUCH SCREEN DEVICE NOTE: If using more than one touch screen device (e.g., 6270, Symphony) with the system, leave field *197 Exit Time Display Interval set to the default value "0." The 6270 automatically displays remaining exit time in one-second increments.

∗198 Display Partition Number [0] ⋯

(VISTA-20P; for Alpha Display Keypads)
0 = no; 1 = yes (partition no. appears on Alpha Display)

∗199 ECP Fail Display [0] ☐

0 = 3-digit display ("1" + device address)
1 = 2-digit fixed-display as "91"

CONFIGURABLE ZONE TYPES WORKSHEETS

Configurable zone types 90 and 91 can be programmed via downloader software or from a keypad using data fields*182-*185. Configurable zone types 92 and 93 (VISTA-20P only) can only be programmed using the downloader software.

Programming Configurable Zone Type options involves making 10 entries in data field *182 for zone type 90 and field *184 for zone type 91, where each entry represents the sum of the values of the various options shown in the tables below. Use fields *183 and *185 to program Contact ID report codes for these zone types.

ENTRY 1 (See note 5 for RF zones)		**ENTRY 2** (See note 5 for RF zones)		
Response when system disarmed and zone is:				
Intact EOL *RF zone normal*	**Open** *RF zone N/A*	**Shorted** *RF zn off-normal*	**Auto Restore**	**Vent Zone**
0 = normal 1 = alarm 2 = trouble 3 = fault	0 = normal 4 = alarm 8 = trouble 12 = fault	0 = normal 1 = alarm 2 = trouble 3 = fault see note 6	0 = no 4 = yes	0 = no 8 = yes
Entry 1 = EOL + Open		Entry 2 = Short + auto restore + vent zone		

ENTRY 3 (See note 5 for RF zones)		**ENTRY 4** (See note 5 for RF zones)		
Response when armed STAY and zone is:			**Byp. when disarmed**	**Byp. when armed**
Intact EOL *RF zone normal*	**Open** *RF zone N/A*	**Shorted** *RF zn off-normal*		
0 = normal 1 = alarm 2 = trouble 3 = fault	0 = normal 4 = alarm 8 = trouble 12 = fault	0 = normal 1 = alarm 2 = trouble 3 = fault see note 6	0 = no 4 = yes	0 = no 8 = yes
Entry 3 = EOL + Open		Entry 4 = Short + byp. disarmed + byp. armed		

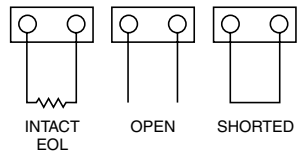
ENTRY 5 (See note 5 for RF zones)		**ENTRY 6** (See note 5 for RF zones)		
Response when armed AWAY and zone is:			**Dial Delay (see field *50)**	**Fault Delay (see field *87)**
Intact EOL *RF zone normal*	**Open** *RF zone N/A*	**Shorted** *RF zn off-normal*		
0 = normal 1 = alarm 2 = trouble 3 = fault	0 = normal 4 = alarm 8 = trouble 12 = fault	0 = normal 1 = alarm 2 = trouble 3 = fault see note 6	0 = no 4 = use delay	0 = no 8 = use delay see note 1
Entry 5 = EOL + Open		Entry 6 = Short + dial delay + fault delay		

ENTRY 7		**ENTRY 8**		
Display Faults	**Power Reset/ Verification**	**Use Entry Delay 1/2**	**Use Exit Delay**	**Respond as Interior Type**
0 = show alarms when armed & disarmed 1 = don't show alarms when armed (show alarms, trbles, faults when disarmed) 3 = never show any alarms, trbles, faults	0 = no 4 = power reset after fault (by code + OFF) 12 = verification (see zone type 16)	0 = no 1 = delay 1 2 = delay 2	0 = no 4 = use exit delay	0 = no 8 = yes see note 2
Entry 7 = fault display + power reset/verification		Entry 8 = entry delay 1/entry delay 2 + exit delay + interior zone type		

ENTRY 9			**ENTRY 10**	
Alarm Sounds	**Use Bell Timeout**	**Respond as Fire Zone**	**Trouble Sounds**	**Chime when Chime Mode On**
0 = none 1 = steady keypad 2 = steady bell and keypad 3 = pulsing bell and keypad	0 = no 4 = yes see fields *32, *33	0 = no 8 = yes see zone type 09; see note 4	0 = none 1 = periodic beep 2 = trouble beeps	0 = no 4 = yes
Entry 9 = alarm sounds + bell timeout + fire zone			Entry 10 = trouble sounds + chime	

Entries for Fields *182 and *184		
Entry	**Zone Type 90 (field *182)**	**Zone Type 91 (field *184)**
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

To calculate the value for each entry: Simply add the values of the selected options in each of the entry's columns (one option per column). For example, to program Entry 2 for "alarm response to short," "auto restore on," but not a "vent zone," enter 5 ("1" for alarm short + "4" for auto restore yes + "0" for vent zone no).



Zone Conditions Represented in Entries 1-6

NOTES:

1. Do not use the "fault delay" option with a configurable zone type if it is set for an entry or exit delay, otherwise unpredictable results may occur.
2. To create an interior type zone, select "respond as interior zone type" (entry 8, interior type = yes), and set zone response to "fault" in entries 3-4 to ensure fault displays; do not set as "normal," "alarm," or "trouble."
3. Do not set fire zones to respond as a "fault" (entries 1-6), otherwise faults will not display unless the [*] key is pressed.
4. 4219/4229 modules must use EOLRs or unpredictable results may occur.
5. RF Zones: The "open" option in entries 1, 3, and 5 is not applicable for RF zones. Use the "intact EOL" option for normal RF zone conditions and "shorted" for off-normal RF zone conditions.
6. a. Zone-Doubling/Double-Balanced: A short on either zone of a zone-doubled pair or on a double-balanced zone causes a tamper condition.
   b. For double-balanced zones, this entry must be "0."
   c. For zone-doubled zones, **both** zones of the doubled pair must be assigned the same response to a short.

∗56 ZONE PROGRAMMING MENU MODE

(press *56 while in Program mode)

The Zone Programming Worksheet is on page 17.

For each of the following prompts, make the desired entry, followed by the [∗] key to accept the entry.
Refer to the Installation and Setup Guide for detailed explanations for each prompt.

SET TO CONFIRM?
0 = no; 1 = yes (See XMIT TO CONFIRM prompt later in this section.) **We recommend that you confirm the programming of every transmitter.**

ENTER ZN NUM.
01-64, 91, 92, 95, 96, 99
To quit, enter 00 to quit (returns to data field mode).

SUMMARY SCREEN:
System displays a summary of the entered zone's current programming. Press [∗] to continue.

ZONE TYPE

00 = Not used	07 = 24-Hr Audible	20 = Arm–STAY*
01 = Entry/exit #1	08 = 24-Hr Aux	21 = Arm–AWAY*
02 = Entry/exit #2	09 = Fire	22 = Disarm*
03 = Perimeter	10 = Interior w/Delay	23 = No Alarm Resp
04 = Interior Follower	12 = Monitor Zone	24 = Silent Burglary
05 = Trouble Day/Alarm Night	14 = Carbon Monoxide	77 = Keyswitch
06 = 24-Hr Silent	16 = Fire w/Verify	81 = AAV Monitor Zone
*5800 button-type transmitters only		90-91 = Configurable

PARTITION (VISTA-20P)
1, 2, or 3-common

REPORT CODE
1-9, 10 for 0, 11 for B, 12 for C, 13 for D, 14 for E, 15 for F
For Contact ID®, enter any non-zero entry as the first digit to enable reporting for this zone.
To disable the report code for this zone, enter 00.

HARDWIRE TYPE
Appears only for zones 02-08. Zone 1 is automatically set for EOL operation. Enter the desired hardwire type:
0 = EOL; 1 = NC; 2 = NO; 3 = zone doubling (ZD)†; 4 = double-balanced (DB)† († VISTA-20P)

RESPONSE TIME
For hardwired zones 01-08. Enter the response time for this zone:
0 = 10mSec; 1 = 350mSec; 2 = 700mSec;
3 = 1.2 secs (see field ∗174).

NOTE: If zone doubling is being used, the response time selected for zones 02-08 automatically applies to each zone's associated doubled zone.

INPUT TYPE
Skipped for zones 2-8, and for zones 10-16 if zone-doubling enabled. Enter the input type: 2 = AW (Aux wired zone);
3 = RF (supervised RF);
4 = UR (unsupervised RF); 5 = BR (unsupervised button type)

NOTE: To change the input type of a previously programmed wireless device to a wired zone, you must first delete the transmitter's serial number.

INPUT S/N
Enroll the transmitter's serial number and loop number as follows:

1. a. Transmit two open/close sequences (for button-type transmitters, press and release the button twice, waiting about 4 seconds before pressing the button the second time).
   OR
   b. Manually enter the 7-digit serial number printed on the label of the transmitter. Press the [∗] key to move to the "L" position, then enter the loop number.
   Use the [A] (Advance) and [B] (Back) keys to move the cursor forward and back within the screen. Pressing the [C] (Copy) key will insert the previously enrolled serial number, if desired (used when programming a transmitter with several input loops).

   To delete an existing serial number, enter 0 in the loop number field. The serial number will change to 0's. If 0 was entered in error, simply re-enter the loop number or press [#], and the serial number will return to the display.

(prompts continued in next column)

2. Press [∗] to continue. The system now checks for a duplicate serial/loop number.
   If no duplicate is found, the display shows the serial number and loop number.
3. Press [∗] to continue to confirmation screen.

XMIT TO confirm
Appears if you answered "Yes" at the "Set to Confirm" prompt.
Activate the loop input or button that corresponds to this zone.
Press [∗] to continue.
If the serial/loop number transmitted does not match the serial number entered, a display showing the entered and the received serial/loop numbers appears.
If so, activate the loop input or button on the transmitter once again. If a match is not obtained, press the [#] key twice and then enter (or transmit) the correct serial number.
Press [∗] to continue
If the serial number transmitted matches the serial number entered, the keypad will beep 3 times and a summary display will appear, showing that zone's programming. An "s" indicates that a transmitter's serial number has been enrolled.

Press [∗] to accept the zone information and continue.

PROGRAM ALPHA?
Press 1 if you want to program descriptors for the zone now, and refer to the *82 Descriptor Programming section for procedure. To program descriptors later, enter 0 (no).
Press [∗] to return to the ENTER ZN NUM prompt.

∗58 EXPERT ZONE PROGRAMMING MODE

(press ∗58 while in Data Programming mode)

SET TO CONFIRM?
Select whether you want confirmation of wireless device enrollment. (See "XMIT TO CONFIRM" prompt later in this section.) **We recommend that you confirm the programming of every transmitter.**

SUMMARY SCREEN

```
Zn  ZT P  RC  HW:  RT
01  09 1  10   EL   1
```

(Typical for Zone 1, initial summary screen)

```
Zn   ZT  P  RC  IN:  L
10   00  1   10  RF: –
```

(Typical for entered zone number; zone 10 in this example)

System displays summary of zone 1's current programming.
Enter the zone number being programmed, then press [∗]. A summary screen for that zone is displayed, along with any current programming values, and the cursor moves to the Zone Type location. The cursor then automatically moves to the next locations after each entry is made.

Special Function Keys:
- [A] (Advance) and [B] (Back) keys on the keypad move the cursor within the screen.
- [C] (Copy) key will insert the previous zone's attributes, if desired.
- [D] key starts the **Wireless Key Programming Templates** menu (see Wireless Key Programming Templates section that follows this section).

Sequentially enter Zone Type (ZT), Partition (P)†, and Report Code (RC; 0-9 only; use *56 mode to enter hex codes), then Hardwire Type (HW) and Response Time (RT) for basic wired zones 1-8 **or** Input Device Type (IN) for zones 9 and higher (Loop Number [L] is programmed at the INPUT S/N prompt).
See *56 Zone Programming Menu Mode section described earlier for entry values.
† applies to VISTA-20P

Continued

∗58 Expert Zone Menu Mode (continued)

Press [∗] to save the programming and continue. If needed, press the [#] key to back up without saving.

- For wireless devices (input types RF, UR, BR), continue to the INPUT S/N (serial number/loop number) and XMIT TO CONFIRM prompts described earlier in the ***56 Zone Programming Menu Mode** section. When done, the display returns to the initial summary screen prompt to let you program the next zone.
- For wired devices, the display returns to the initial summary screen prompt to let you program the next zone.

To Quit, enter 00 at the zone number location and press [∗].

WIRELESS KEY PROGRAMMING TEMPLATES

(press the [D] key from *58 Menu mode Summary Screen)
This procedure programs the wireless keys, **but a key is not active for arming/disarming until it is assigned to a user number** (see ***System Operation*** section, Assigning Attributes Command in the Installation Instructions).

TEMPLATE ?
Enter desired template number 1–6 (see chart below), then press [∗] to continue.
To exit the Template screen, press [#]. The system returns to the *58 Menu mode Summary Screen.

TEMPLATE SUMMARY

L	01	02	03	04
T	23	22	21	23

The selected template is displayed.
The top line represents loop numbers, the bottom line represents each loop's zone type.
Press [∗] to accept template and continue.

PARTITION (VISTA-20P)
Enter the partition (1 or 2) in which the key is to be active. Press [∗] to continue.

ENTER START ZONE
The system displays the lowest zone number of the highest available consecutive 4-zone group.
To start at a different zone number, enter the zone desired, and press [∗]. If the system has four consecutive zones beginning with that zone, the zone number is displayed. If not, the system will again display a suggested zone that can be used.
If the required number of consecutive zones is not available at all, the system will display "00".

Press [∗] to accept.

Continue to the INPUT S/N (serial number/loop number) and XMIT TO CONFIRM prompts described earlier in the ***56 Menu Mode** section.

IMPORTANT: When confirmed, the key is not active for arming/disarming until it is assigned to a user number (using the assigning attributes command, attribute "4"). See System Operation section in Installation Instructions.

When done, the keypad beeps three times and the display returns to the ENTER START ZONE prompt to let you enter the starting zone for the next wireless key.

Wireless Key Predefined Default Templates

For 5804	Loop	Function	Zone Type	For 5804BD	Loop	Function	Zone Type
TEMPLATE 1	1	No Response	23	TEMPLATE 4	1	No Response	23
	2	Disarm	22		2	No Response	23
	3	Arm Away	21		3	Arm Away	21
	4	No Response	23		4	Disarm	22
TEMPLATE 2	1	No Response	23	TEMPLATE 5	1	No Response	23
	2	Disarm	22		2	Arm Stay	20
	3	Arm Away	21		3	Arm Away	21
	4	Arm Stay	20		4	Disarm	22
TEMPLATE 3	1	24-hour audible	7	TEMPLATE 6	1	24-hour audible	7
	2	Disarm	22		2	Arm Stay	20
	3	Arm Away	21		3	Arm Away	21
	4	Arm Stay	20		4	Disarm	22

∗57 FUNCTION KEY PROGRAMMING MENU MODE

(press *57 while in Data Programming mode) The Function Key Worksheet is on page 18.

PRESS KEY TO PGM
Press the desired function key to be programmed, A-D, then press [∗] to continue.
When done, press 0 to exit this mode and return to data field mode.
NOTE: A key programmed as a function key is no longer available to be used as an end-user macro key or panic key.

PARTITION (VISTA-20P)
Enter the partition (1-3) in which this function key will be active.

KEY "A" FUNC
Enter the desired function for this key:
00 = For the Function key selected, the function will be as follows (default):
If A selected = Zone 95 (emerg. key, same as [1] [∗] pair)
If B selected = Zone 99 (emerg. key, same as [∗] [#] pair)
If C selected = Zone 96 (emerg. key, same as [3] [#] pair)
If D selected = Single-button paging

(continued in next column)

KEY "A" FUNC (continued)
01 = Single-button paging (sends a 999-9999 message to pager)
02 = Display time
03 = Arm AWAY (reports as User 00 if closing reports are enabled)
04 = Arm STAY (reports as User 00 if closing reports are enabled)
05 = Arm NIGHT-STAY (reports as User 00 if closing reports enabled)
06 = Step Arming (arms STAY, then NIGHT-STAY if enabled, then AWAY)
07 = Output Device Command (for device programmed as system operation type 66 in *80 Menu Mode)
08 = Communication Test (sends Contact ID code 601)
09 -12= Macro Keys 1-4 respectively (defined by [#] [6] [6] command)
NOTE: Macros 11-12 apply to VISTA-20P only

Press [∗] to continue; returns to key number prompt with the next function key letter displayed.

∗79 RELAY/POWERLINE CARRRIER DEVICE (X-10) PROGRAMMING MENU MODE

(press ∗79 while in Programming mode)
The *79 Device Mapping Worksheet is on page 18.

ENTER OUTPUT NO.
VISTA-20P: 01-16 = relays/X-10, 17, 18 = on-board triggers
VISTA-15P: 01-08 = relays/X-10, 17, 18 = on-board triggers
[∗] to continue

OUT NORM LOW (appears only for triggers 17/18)
0 = no (standard default); sets the output level normally high
1 = yes; sets the output normally low (can be used for resetting 4-wire smoke detectors)
[∗] to return to Output Number prompt

OUTPUT TYPE
0 = delete; 1 = relay (skip to "B" prompt); 2 = Powerline Carrier device (skip to "A" prompt)
[∗] to continue.

"A" (if X-10 was selected)

UNIT No.
Enter the unit code (01-16, set at the device).
[∗] to return to the Output Number prompt continue

"B" (if relay was selected)

MODULE ADDR
Enter the predefined address for this module (07-15; see Table of Device Addresses on page 2).
Make sure the module's DIP switches are set to the selected address.
[∗] to continue

REL POSITION (actual relay number on module)
For 4204 modules, relay numbers are 1-4. For 4229 modules, relay numbers are 1-2.
[∗] to return to the Output Number prompt for programming the next device

∗80 OUTPUT FUNCTION MENU MODE

(press *80 while in Programming mode)
The Output Definition Worksheet is on page 19.

OUTPUT FUNCT. #
Enter the output function number to be defined
(VISTA-20P: 01-48;
(VISTA-15P: 01-24).
[∗] to continue; 00 = exit

SUMMARY SCREEN

01	A	E	P	Trig
?00	0	0	–	ZL=00

This screen displays a summary of the current output programming
A = Output Action; E = Triggering event; P = Partition; Trig = Trigger type
Question mark indicates the device shown has not been mapped. Use *79 Menu mode to map the device.
[∗] to continue

ACTIVATED BY
0 = delete (deletes the output function and any previous programming); a confirmation prompt appears.
To delete this output definition, press 1. If you do not want to delete this output, press 0.
1 = zone list (go to "A" prompt); 2 = zone type (go to "B" prompt); 3 = zone number (go to "C" prompt)
Press [∗] to continue

"**A**" (if zone list was selected)

ZN LIST
Enter the desired zone list number (01-08). At the ENTER EVENT prompt, enter the zone list event that will activate this output (0 = restore; 1 = alarm; 2 = fault; 3= trouble)
Press [∗] to continue and skip to the "Output Action" prompt.

"**B**" (if zone type was selected)

∗80 Menu Mode (continued)

ENTER ZN TYPE
Enter the desired zone type. See list below *80 Worksheet for zone types.
At the PARTITION prompt, enter the partition in which this zone type will occur (0 = any partition; 1 = partition 1; 2 = partition 2; 3 = partition 3).
Press [∗] to continue and skip to the "Output Action" prompt.

"**C**" (if zone number was selected)

ENTER ZN NO.
Enter the desired zone number, then press [∗] to continue. At the ENTER EVENT prompt, enter the zone event that will activate this output (0 = restore; 1 = alarm/fault/trouble).
Press [∗] to continue to the OUTPUT ACTION prompt

OUTPUT ACTION
0 = off; 1 = Close for 2 seconds; 2 = Close and Stay Closed;
3 = Continuous Pulse 1 sec on and 1 sec off
4 = Change Device State; 5 = Duration 1 (see data field *177);
6 = Duration 2 (see data field *177)
Press [∗] to continue.

ENTER OUTPUT NO.
Enter the device output number (programmed in *79 Menu Mode) you want associated with this output.
01-16 = VISTA-20P output no.; 01-08 = VISTA-15P output no.; 17-18 = on-board triggers
Press [∗] to continue.

SUMMARY SCREEN
A summary screen appears showing the programmed settings.
Press [∗] to return to OUTPUT FUNCTION NUMBER prompt.

∗81 ZONE LIST MENU MODE

(press *81 while in Programming mode)
The Zone List Worksheet is on page 18.

ZONE LIST NO.
Enter the zone list number (01-12) to program (or 00 to exit this mode). Press [∗] to continue.

ENTER ZN NUM.
Enter each zone number (01-64†) to add to the zone list, followed by pressing [∗] (example, 01∗, 02∗, 03∗).
Press 00 to continue.

† VISTA-20P = 01-64; VISTA-15P = 01-06, 09-34, 49-56.
IMPORTANT: Do not include fire zones in zone lists that are used to STOP device actions.

DEL ZN LIST?
0 = don't delete list; current zone list remains saved
1 = delete this zone list; All zones in the zone list will be deleted.
[∗] to continue

DELETE ZONE?
0 = don't delete zones; save the entire zone list and return to the Zone List No. prompt
1 = go to next prompt to delete zones
[∗] to continue

ZN TO DELETE?
Enter each zone (01-64†) to be deleted from the list, following each with [∗].
00 when done to return to the Zone List No. prompt.
† VISTA-20P = 01-64; VISTA-15P = 01-06, 09-34, 49-56.

∗82 ALPHA DESCRIPTOR MENU MODE

PRE-DEFINED DESCRIPTORS

PROGRAM ALPHA
0 = no (quit Alpha mode)
1 = yes
Press [∗] or [#] to continue.

CUSTOM WORDS
0 = no (continue to descriptor programming)
1 = yes (go to custom word programming)
Press 0 to program standard alpha descriptors. The system will then display the descriptor for zone 1.
To program custom words, press 1 (custom words are described later).
Press [∗] to continue.

∗ ZN 01
Descriptor screen for zone 1 appears. To program a descriptor (up to 3 words) for a zone, do the following:

1. Press [∗] plus the desired zone number (existing descriptor, if any, is displayed), then press [∗] plus the zone number again (flashing cursor appears).
2. a. Press [#] plus the 3-digit number from the Alpha Vocabulary List on the next page for the first word.
   b. Press [6] to accept the word and move the cursor for the next word.
3. Repeat steps 2a and 2b for the second and third words (if used).
4. When all words have been entered, press [8] to save the descriptor for that zone. The flashing cursor disappears.
5. Repeat steps 1-4 to assign a descriptor for the next zone.
6. When all descriptors have been entered, press [∗] + 0 + 0 (or simply press [#]) after the last descriptor has been saved to return to the PROGRAM ALPHA? prompt.
   Enter 0 (no) at the prompt to exit this mode and return to Data Field mode.

ADDING CUSTOM WORDS (up to 10 words)
For custom words, the keys have the following functions:

[4]	moves cursor one space to the left.
[6]	moves cursor one space to the right.
[8]	saves the new word in the system's memory.

1. Select Custom Word mode (enter 1) when the prompt "CUSTOM WORD ?" is displayed.
2. Enter the number (01–10, or 11, 12, 13 for partition descriptors– see below) of the custom word or word string to be created, corresponding to index numbers 245 - 254. A cursor appears at the beginning of the second line.
   NOTE: Custom words 8, 9, and 10 are "reminder words" that can be programmed to display using Scheduling Mode.
3. Refer to the Character (ASCII) Chart on the next page.
   Press [#], followed by the two-digit entry for the first letter you would like to display (e.g., # 6 5 for "A"). The cursor moves to the right, in position for the next character.
   To delete a character, simply enter the SPACE character (#32) at the unwanted character's location.
4. Repeat Step 3 to create the desired word(s). Each word can be a maximum of 10 characters (except custom message/partition descriptor word numbers 11, 12, and 13, which can be a maximum of 16 characters).
5. When the word is complete, press the [8] key to save the custom word(s) in the vocabulary list and return to the "CUSTOM WORD ?" display.
6. Repeat Steps 1–5 for other custom words to be entered. To change a custom word, just overwrite it. When all words have been programmed, enter 0 at the "CUSTOM WORD ?" prompt to return to the Program Alpha prompt. Enter 0 again to exit Descriptor mode.

To Assign Partition/Custom Message Descriptors, use Adding Custom Words procedure, but:
VISTA-15P: Use word number 11 in step 2. The custom message replaces the standard "DISARMED Ready to Arm" message.
VISTA-20P: Use the following word numbers in step 2:
11 = partition 1; 12 = partition 2; 13 = common lobby

SETTING SCHEDULES

(Installer Code + [#] + [6] [4])

ENTER SCHED NO.
VISTA-20P: 01-16 = end-user schedules; 17-32 = installer-only schedules
VISTA-15P: 01-04 = end-user schedules; 05-08- = installer-only schedules
[∗] to continue.
To Quit, enter 00.

ENTER EVENT
00 = clear event
01 = Relay On/Off
02 = User Access
03 = Latch Key Report to Pager (sent to all pagers in the user's partition; message sent is 777-7777. User must be enabled for paging and system must be armed before reporting can occur.)
04 = Forced Stay Arming (Forced bypass is automatically enabled regardless of setting in field *23)
05 = Forced Away Arming (Forced bypass is automatically enabled regardless of setting in field *23)
06 = Auto Disarm
07 = Display "Reminder"
10 = Display custom words (if selected, system displays custom words 8, 9, and 10 at defined time. Can be used as installer's reminder message to the end user); programmable by installer only
11 = Periodic Test Report (see key commands in **Test Report Code**, data field *64**,** to quickly set periodic test reporting intervals); programmable by installer only
[∗] to continue.

DEVICE NUMBER (for event 1 relay on/off)
V20P: 01-18; [∗] to continue.
V15P: 01-08, 17, 18 [∗] to continue.

GROUP NUMBER (for event 2 user access)
1-8; [∗] to continue.

PARTITION (VISTA-20P; for events 3-7,10,12)
0 = all partitions; 1 = partition 1; 2 = partition 2; 3 = common
[∗] to continue.

START
01-12 = hour; 00-59 = minute; 0 = AM; 1 = PM; to select days, position the cursor under the desired days using the [∗] key to move forward, then press "1" to select the day.
[∗] to continue.

STOP (for events 1 relay on/off; 2 user access; 3 latch key report)
See START for entries. [∗] to continue.

REPEAT
0 = do not repeat; 1 = repeat schedule weekly; 2 = repeat schedule biweekly (every other week); 3 = repeat schedule every third week; 4 = repeat schedule every fourth week
[∗] to continue

RANDOMIZE (for events 01 and 11)
0 = no; 1 = yes
If selected, the scheduled start and stop times will vary within 60 minutes of the "hour" time. For example, if a schedule is set to start at 6:15pm, it will do so the first time 6:15pm arrives, but on subsequent days it will start anytime between 6:00 and 6:59 p.m.

NOTE: Do not use the random option if the start and stop times are within the same "hour" setting, otherwise unpredictable results may occur (e.g., the randomized stop time may occur before the start time).
[∗] to continue and return to ENTER SCHED NO. prompt to program the next schedule.

ALPHA VOCABULARY LIST (For Entering Zone Descriptors)

000 *(Word Space)*

– A –

• **001 AIR**
• ***002 ALARM****
004 ALLEY
005 AMBUSH
• **006 AREA**
• **007 APARTMENT**
• ***009 ATTIC****
010 AUDIO

– B –

• ***012 BABY****
• ***013 BACK****
• **014 BAR**
• ***016 BASEMENT****
• ***017 BATHROOM****
• **018 BED**
• ***019 BEDROOM****
020 BELL
• **021 BLOWER**
• **022 BOILER**
023 BOTTOM
025 BREAK
• **026 BUILDING**

– C –

028 CABINET
• **029 CALL**
030 CAMERA
031 CAR
033 CASH
034 CCTV
035 CEILING
036 CELLAR
• **037 CENTRAL**
038 CIRCUIT
• ***040 CLOSED****
• **046 COMPUTER**
047 CONTACT

– D –

• **048 DAUGHTERS**
049 DELAYED
• ***050 DEN****
051 DESK
• ***052 DETECTOR****
• ***053 DINING****
054 DISCRIMINATOR
055 DISPLAY
• ***057 DOOR****
• **059 DOWN**
• **060 DOWNSTAIRS**
061 DRAWER
• **062 DRIVEWAY**
• **064 DUCT**

– E –

• **065 EAST**
066 ELECTRIC
*067 EMERGENCY**
068 ENTRY
• **069 EQUIPMENT**
• ***071 EXIT****
072 EXTERIOR

– F –

• **073 FACTORY**
075 FAMILY
• **076 FATHERS**
• **077 FENCE**
• ***079 FIRE****
• ***080 FLOOR****
081 FLOW
082 FOIL
• **083 FOYER**
084 FREEZER
• ***085 FRONT****

– G –

• ***089 GARAGE****
• **090 GAS**
091 GATE
• **092 GLASS**
093 GUEST
094 GUN

– H –

• ***095 HALL****
• **096 HEAT**
098 HOLDUP
*099 HOUSE**
100 INFRARED
• ***101 INSIDE****
102 INTERIOR
103 INTRUSION

– J –

104 JEWELRY

– K –

• ***105 KITCHEN****

– L –

• ***106 LAUNDRY****
• **107 LEFT**
108 LEVEL
• ***109 LIBRARY****
• **110 LIGHT**
111 LINE
• ***113 LIVING****
• **114 LOADING**
115 LOCK
116 LOOP
117 LOW
• **118 LOWER**

– M –

• **119 MACHINE**
121 MAIDS
*122 MAIN**
• ***123 MASTER****
• ***125 MEDICAL****
126 MEDICINE
128 MONEY
129 MONITOR
• **130 MOTHERS**
• ***131 MOTION****
132 MOTOR

– N –

• **134 NORTH**
135 NURSERY

– O –

• ***136 OFFICE****
• ***138 OPEN****
139 OPENING
• **140 OUTSIDE**
142 OVERHEAD

– P –

143 PAINTING
• ***144 PANIC****
145 PASSIVE
• ***146 PATIO****
147 PERIMETER
• **148 PHONE**
150 POINT
*151 POLICE**
*152 POOL**
• **153 POWER**

– R –

155 RADIO
• **156 REAR**
157 RECREATION
159 REFRIGERATION
160 RF
• **161 RIGHT**
• ***162 ROOM****
163 ROOF

– S –

164 SAFE
165 SCREEN
166 SENSOR
• **167 SERVICE**
• ***168 SHED****
169 SHOCK
• ***170 SHOP****
171 SHORT
• ***173 SIDE****
174 SKYLIGHT
*175 SLIDING**
• ***176 SMOKE****
• **178 SONS**
• **179 SOUTH**
180 SPRINKLER
• **182 STATION**
184 STORE
• ***185 STORAGE****
186 STORY
*190 SUPERVISED**
191 SUPERVISION
192 SWIMMING
193 SWITCH

– T –

194 TAMPER
196 TELCO
197 TELEPHONE
• **199 TEMPERATURE**
200 THERMOSTAT
• **201 TOOL**
202 TRANSMITTER

– U –

• **205 UP**
• **206 UPPER**
• ***207 UPSTAIRS****
• ***208 UTILITY****

– V –

209 VALVE
210 VAULT
212 VOLTAGE

– W –

213 WALL
214 WAREHOUSE
• **216 WEST**
• ***217 WINDOW****
• **219 WING**
220 WIRELESS

– X –

222 XMITTER

– Y –

223 YARD

– Z –

224 ZONE (No.)
• ***225 ZONE****
• **226 0**
• **227 1**
• ***228 1ST****
• **229 2**
• ***230 2ND****
• **231 3**
• ***232 3RD****
• **233 4**
• **234 4TH**
• **235 5**
• **236 5TH**
• **237 6**
• **238 6TH**
• **239 7**
• **240 7TH**
• **241 8**
• **242 8TH**
• **243 9**
• **244 9TH**

245 Custom Word #1
246 Custom Word #2
247 Custom Word #3
248 Custom Word #4
249 Custom Word #5
250 Custom Word #6
251 Custom Word #7
252 Custom Word #8
253 Custom Word #9
254 Custom Word #10

Note: Bulleted (•) words in **boldface type** are those that are also available for use by the 4286 Phone Module. If using a Phone module, and words other than these are selected for Alpha descriptors, the module will not provide annunciation of those words.
Italicized words followed by an asterisk indicate those words supported by the 6160V/6150V Voice Keypads

CHARACTER (ASCII) CHART (For Adding Custom Words)

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

SETTING THE REAL-TIME CLOCK

IMPORTANT: The Real-Time Clock must be set before the end of the installation.

NOTE: All partitions must be disarmed before the date/time can be set.

1. Master Code + [#] + [6] [3]
2. Press [∗] when the time/date is displayed.
   A cursor appears under the first digit of the hour.
   To move cursor ahead, press [∗]. To go back, press [#].
   - Enter the 2-digit hour setting.
   - Enter the 2-digit minute setting.
   - Press [1] for PM or [2] for AM.
   - Enter the last two digits of the current year.
   - Enter the 2-digit month setting.
   - Enter the 2-digit day setting.
3. To exit, press [∗] when cursor is at the last digit, or wait 30 seconds.

UPLOADING/DOWNLOADING VIA THE INTERNET

UL: Up/downloading via the Internet has not been evaluated by UL.

The control, when used with an appropriate communications device (ex. 7845i-ent, 7845i-GSM), supports upload/download programming capability via the Internet or a Private local area network (Intranet) instead of using telephone lines. This allows site maintenance independent of central station monitoring, and modification to sites globally via the Internet or through a private LAN.

Refer to the instructions provided with the communications device for information regarding its installation, programming, and registration. The System Requirements table below lists two sets of system requirements, depending upon whether you intend to communicate over the Internet using AlarmNet Services, or whether you are communicating over a Private LAN (Intranet).

System Requirements

Internet Communication	**Intranet (Private LAN) Communication**
At the Installation Site: • Appropriate Internet/Intranet Communication Module • 7720P Programmer • Internet Access and Cable/DSL Modem • Cable/DSL Router (optional, if connecting more than one device) • Control Panel	At the Installation Site: • Appropriate Internet/Intranet Communication Module • 7720P Programmer • Ethernet Network Connection • Control Panel

To set up the control panel, do the following:

1. Connect the communications device to the control panel's ECP (keypad) terminals.
2. Internet Users: Connect the communications device to the Internet via a cable/DSL modem and router.
   Intranet Users: Connect the communications device to the Intranet (LAN) via the appropriate Ethernet connection.
3. Enable the communications device in the control panel (programming field ∗29) to enable alarm reporting and module supervision.
4. Set the communications device for address 3.
5. Program the communications device as required using the 7720P programmer.
6. Register the communications device with AlarmNet. The device must be registered before downloading or alarm reporting can take place.

UL NOTICES

1. Entry Delay No. 1 and No. 2 (fields ∗35, ∗36) cannot be greater than 30 seconds for UL Residential Burglar Alarm installations, and entry delay plus dial delay should not exceed 1 minute. For UL Commercial Burglar Alarm installations, total entry delay may not exceed 45 seconds.
2. For UL Commercial Burglar Alarm (Grade AA) and UL Residential Burglar Alarm installations with line security, total exit delay time must not exceed 60 seconds. For UL Burglar Alarm installations without line security (Grade A), total exit delay time must not exceed 120 seconds.
3. The maximum number of reports per armed period (field ∗93) must be set to "0" (unlimited) for UL installations.
4. Periodic testing (see scheduling mode) must be at least every 24 hours.
5. Alarm Sounder plus Auxiliary Power currents must not exceed 600mA total for UL installations (Aux power 500mA max.).
6. All partitions must be owned and managed by the same person(s).
7. All partitions must be part of one building at one street address.
8. If used, the audible alarm device(s) must be placed where it/they can be heard by all partitions.
9. For UL commercial burglar alarm installations the control unit must be protected from unauthorized access. The tamper switch installed to protect the control unit enclosure door is suitable for this purpose.
10. Remote downloading without an alarm company technician on-site (unattended downloading) is not permissible for UL installations.
11. Auto-disarming is not a UL Listed feature.
12. As SIA limits for delay of alarm reporting and sounding can exceed UL limits for commercial and residential applications, the following UL requirements per UL681 are provided:
    The maximum time that a control unit shall be programmed to delay the transmission of a signal to a remote monitoring location, or to delay the energizing of a local alarm sounding device to permit the alarm system user to enter and disarm the system, or to arm the system and exit shall not exceed:
    a) 60 seconds for a system with standard line security or encrypted line security,
    b) 120 seconds for a system without standard line security or encrypted line security, or
    c) 120 seconds for a system that does not transmit an alarm signal to a remote monitoring location.
13. This control is not intended for bank safe and vault applications.

SIA QUICK REFERENCE GUIDE

1. ∗31 Single Alarm Sounding per Zone: If "0" selected, "alarm sounding per zone" will be the same as the "number of reports in armed period" set in field ∗93 (1 if one report, 2 if 2 reports, unlimited for zones in zone list 7).
2. ∗34 Exit Delay: Minimum exit delay is 45 seconds.
3. ∗35/*36 Entry Delay 1 and 2: Minimum entry delay is 30 seconds.
4. ∗37 Audible Exit Warning: Feature always enabled; field does not exist.
5. ∗39 Power Up in Previous State: Must be "1," power up in previous state.
6. ∗40 PABX Access Code or Call Waiting Disable: If call waiting is used, call waiting disable option in field *91 must be set.
7. ∗50 Burglary Dial Delay: Delay must be minimum of 30 seconds.
8. ∗59 Exit Error Alarm Report Code: Always enabled.
9 ∗68 Cancel Report Code: Default is "code enabled."
10. ∗69 Recent Closing Report Code: Always enabled.
11. ∗91 Option Selection: Exit Delay option should be enabled. If call waiting is used, Call Waiting Disable must be set to "1" (enabled).
12. ∗93 No. reports in Armed Period: Must be set for 1 or 2 report pairs.
13. Cross zone timer programming is set in field ∗85; cross zone pairs are assigned in zone list 4 using ∗81 Zone List mode.
14. Duress code is assigned by using the "add a user code" procedure found in the User Guide. Enable Duress code reporting by programming zone 92 using ∗56 Zone Programming mode.
15. Fire alarm verification is a built-in system feature when a zone is programmed for zone type 16.

WORKSHEET for ∗56 ZONE PROGRAMMING

(VISTA-15P supports up to 32 zones: 1-6, 9-34, 49-56) [default shown in brackets]

Zone	Zn Type	Part.	Report	Hardwire Type	Rsp. Time	Location
1	[09]	[1]		[EOL]	[1]	
2	[01]	[1]		[EOL]	[1]	
3	[03]	[1]		[EOL]	[1]	
4	[03]	[1]		[EOL]	[1]	
5	[03]	[1]		[EOL]	[1]	
6	[03]	[1]		[EOL]	[1]	
7	[03]	[1]		[EOL]	[1]	
8	[03]	[1]		[EOL]	[1]	

Zone	Zn Type	Part.	Report	Input Type	Loop	Serial No.	Location
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							
32							
33							
34							
35							
36							
37							
38							
39							
40							
41							
42							
43							
44							
45							
46							
47							
48							
49		[1]		[BR]			
50		[1]		[BR]			
51		[1]		[BR]			
52		[1]		[BR]			
53		[1]		[BR]			
54		[1]		[BR]			
55		[1]		[BR]			
56		[1]		[BR]			
57		[1]		[BR]			
58		[1]		[BR]			
59		[1]		[BR]			
60		[1]		[BR]			
61		[1]		[BR]			
62		[1]		[BR]			
63		[1]		[BR]			
64		[1]		[BR]			
95	[00]	N/A**		N/A	N/A	N/A	keypad [1] / [∗]
96	[00]	N/A**		N/A	N/A	N/A	keypad [3] / [#]
99	[06]	N/A**		N/A	N/A	N/A	keypad [∗] / [#]

** Emergency key zones 95, 96, and 99 report the partition of the keypad used to activate the emergency zones.

NOTES:

Zone Type: see chart ∗56 Zone Programming Menu mode section.

Report Code: enabled if any digit entered as 1st digit;

Hardwire Type (zns 2-8):
0 = EOL 3 = ZD
1 = NC 4 = DB
2 = NO

Input Type:
2 = AW (zones 9-48)
3 = RF (zones 9-48)
4 = UR (zones 9-48)
5 = BR (zones 49-64)
NOTE: Zones 9-16 not available if zone doubling enabled.

Response Time:
0 = 10msec
1 = 350msec
2 = 700msec
3 = 1.2 sec

Reserved Zones

91 = addressable device report enable/disable default zone type = [05].

92 = Duress report enable/disable

WORKSHEET for ∗57 FUNCTION KEY PROGRAMMING

Option	Function	A P1	A P2	A com	B P1	B P2	B com	C P1	C P2	C com	D P1	D P2	D com	Comments
01	Paging													
02	Time Display													
03	Arm AWAY													
04	Arm STAY													
05	Arm NIGHT-STAY													
06	Step Arming													
07	Device Activation													Device:
08	Comm. Test													
09	Macro Key 1													Assign each macro key to only a single partition. †
10	Macro Key 2													Assign each macro key to only a single partition. †
11	Macro Key 3													Assign each macro key to only a single partition. †
12	Macro Key 4													Assign each macro key to only a single partition. †
00	Emergency Keys:	zone 95			zone 99			zone 96			paging			
	Personal Emergency										n/a			
	Silent Alarm										n/a			
	Audible Alarm										n/a			
	Fire										n/a			

Emergency Keys: A = paired keys [1] / [∗] (zone 95); B = paired keys [∗] / [#] (zone 99); C = paired keys [3] / [#] (zone 96)
† There are only four macros system-wide.

WORKSHEET for OUTPUT RELAY/POWERLINE CARRIER DEVICE PROGRAMMING

(for ∗79, ∗80 and ∗81) Applicable only if Relays and/or Powerline Carrier (X-10) Devices are to be used.

∗79 RELAY/POWERLINE CARRIER (X-10) DEVICE MAPPING (Must program before using *80)

	OUTPUT TYPE			
	Relay		X10	
Output No.	Module Addr.	Pos (1-4)	Unit No.	Description
01				
02				
03				
04				
05				
06				
07				
08				

	OUTPUT TYPE (09-16 apply to VISTA-20P only)			
	Relay		X10	
Output No.	Module Addr.	Pos (1-4)	Unit No.	Description
09				
10				
11				
12				
13				
14				
15				
16				
17	On-Board Trigger 1			norm output =
18	On-Board Trigger 2			norm output =

WORKSHEET for ∗81 ZONE LIST PROGRAMMING

Fill in the required data on the worksheet below and follow the procedure in the installation manual as you enter the data during the displays and prompts that appear in sequence.

NOTE: Record desired zone numbers below, noting that a list may include *any* or *all* of system's zone numbers.

List No.	Used For…	Contains These Zones…
01	General Purpose (GP)	
02	General Purpose	
03	Chime-by-Zone or GP	(see field *26 for Chime-by-Zone option)
04	Cross Zones or GP	(see field *85 for Cross Zone Timer option)
05	Night-Stay Zones or GP	
06	Dial Delay Disable or GP	**V20PSIA/V15PSIA:** see field *50 for Dial Delay Disable option
07	Unlimited Reports or GP	**V20PSIA/V15PSIA:** see field *93 for Unlimited Reports option
08	General Purpose	
09	Zones activating pager 1	
10	Zones activating pager 2	
11	Zones activating pager 3	(VISTA-20P)
12	Zones activating pager 4	(VISTA-20P)

WORKSHEET for *80 OUTPUT FUNCTION PROGRAMMING

Fill in the required data on the worksheet below and follow the programming procedure in the installation manual as you enter the data during the displays and prompts that appear in sequence.

Notes: **1.** For Relays, 4229 and 4204 devices are programmed in *79, *80, and *81 modes.

2. For Powerline Carrier devices (plcd), field ***27** must be programmed with a House Code.

3. Tampers of expansion units cannot be used to operate devices.

Output Function Number (V20P=1-48) (V15P=1-24)	Activation Type and Detail				Partition Number (P) (if using ZT trig) 0 = any 1 = partition 1 2 = partition 2 3 = common	Event (for zone list/activated by)		Action 0 = off 1 = close 2 secs 2 = stay closed 3 = pulse 4 = toggle 5 = duration 1†† 6 = duration 2††	Output Number V20P=1-18 V15P=1-8, 17, 18	Device Type R = relay T = trigger X = X10
	Activated by 0=delete 1=zn list 2=zn type 3=zn no.	Zone List (ZL) 1-8 = list	Zone Type (ZT) (see table below)	Zone No. (ZN) 00=none V20P: 01-64 V15P: 01-06, 09-34, 49-56		By Zone List 0 = restore 1 = alarm 2 = fault 3 = trouble	By Zone No. 0 = restore 1 = alrm/flt/trbl			
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										
31										
32										
33										
34										
35										
36										
37										
38										
39										
40										
41										
42										
43										
44										
45										
46										
47										
48										

ZONE TYPE/SYSTEM OPERATION – Choices for Zone Types are:

00 = Not Used	05 = Trouble Day/Alarm Night	10 = Interior w/Delay	24 = Silent Burglary
01 = Entry/Exit#1	06 = 24 Hr Silent	12 = Monitor Zone	77 = Keyswitch
02 = Entry/Exit#2	07 = 24 Hr Audible	14 = Carbon Monoxide	81 = AAV Monitor Zone
03 = Perimeter	08 = 24 Hr Aux	16 = Fire w/Verification	90-91 = Configurable
04 = Interior Follower	09 = Fire	23 = No Alarm Response	

Choices for System Operation are:

20 = Arming–Stay	38 = Chime	52 = Kissoff
21 = Arming–Away	39 = Any Fire Alarm	54 = Fire Zone Reset
22 = Disarming (Code + OFF)	40 = Bypassing	58 = Duress
31 = End of Exit Time	41 = **AC Power Failure	60 = AAV Trigger
32 = Start of Entry Time	42 = **System Battery Low	66 = Function key†
33 = Any Burglary Alarm	43 = Communication Failure	67 = Bell Failure
36 = **At Bell Timeout***		68 = TELCO Line Fault
		78 = Keyswitch red LED†††
		79 = Keyswitch green LED†††

Note: In normal operation mode:
Code + # + 7 + NN Key Entry **starts** Device
Code + # + 8 + NN Key Entry **stops** Device

** Use 0 (any) for Partition No. (P) entry.
*** Or at Disarming, whichever occurs earlier.
† Use *57 Menu mode to assign the function key.
†† Duration is set in program field *177.
††† Device action not used for these choices.

WORKSHEET for SCHEDULES

(installer code + [#] + [6] [4]; *master code can only access schedules 01-16 for VISTA-20P, 01-04 for VISTA-15P, and events 00-07 for both controls; VISTA-15P supports up to 8 schedules, VISTA-20P supports up to 32 schedules*)

No.	**Event** (see list below)	**Device No.** for "01" events: enter 01-18	**Group No.** for "02" events: enter 1-8	**Partition** for "04-06" events: enter 1, 2, or 3 (VISTA-20P)	**Start Time/ Days**	**Stop Time/ Days**	**Repeat** (1-4)	**Random** (yes/no)
01								
02								
03								
04								
05								
06								
07								
08								
09								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
32								

Events: Master/Installer

00 = clear event
01 = device on/off
02 = user access
03 = latch key report
04 = forced STAY arm
05 = forced AWAY arm
06 = auto disarm
07 = display "reminder"

Installer Only

10 = display custom words 8-10
11 = periodic test report

Repeat Options: 0 = none; 1 = repeat weekly; 2 = repeat every other week; 3 = repeat every third week; 4 = repeat every fourth week

VARIOUS SYSTEM TROUBLE DISPLAYS

Alpha Display	Fixed Disp.	Meaning
ALARM CANCELED	CA	will appear if an exit or interior zone contained a fault during closing at the time the Exit Delay ended (e.g., exit door left open), but the system was disarmed during the Entry Delay time. The alarm sounder and keypad sound continuously, but stop when the system is disarmed. No message will be transmitted to the central station.
EXIT ALARM	EA	appears when Exit Delay ends if an exit or interior zone contained a fault during closing. The alarm sounder and keypad sound continuously until the system is disarmed (or timeout occurs). An "Exit Alarm" message is sent to the central station. Also results if an alarm from an exit or interior zone occurs within 2 minutes after the end of an Exit Delay.
CHECK	CHECK	indicates that a problem exists with the displayed zone(s) and requires attention.
ALARM 1xx FAULT 1xx CHECK 1xx	1xx 1xx 1xx 91	indicates that communication between control and a zone expander or wireless receiver is interrupted, where "xx" is the device address. Check the wiring and DIP switch settings on the units. If field *199 is set to "1," all ECP module problems are displayed as "91." If there are wireless sensors in the system, the Check condition may also be caused by some change in the environment that prevents the receiver from receiving signals from a particular sensor.
SYSTEM LO BAT	BAT	with no zone number indicates that the system's standby battery is weak.
LO BAT	BAT	with a zone number and a once-per-minute beeping at the keypad indicates that a low-battery condition exists in the wireless sensor displayed (zone "00" indicates a wireless keypad). If the battery is not replaced within 30 days, a "CHECK" display may occur. NOTE: Some wireless sensors contain a non-replaceable long-life battery which requires replacement of the entire unit at the end of battery life (e.g., Nos. 5802, 5802CP).
TELCO FAULT	94	Telephone Line Failure, indicates that a monitored telephone line (if programmed in field *92) has been cut or disconnected. Depending on how the system was programmed, the keypad may also produce a trouble sound, and the external sounder may be activated. Silence by entering installer code + OFF.
Busy-Standby	dl	If this remains displayed for more than 1 minute, the system is disabled.
Modem Comm	CC	The system is in communication with the central station for change of function or status verification.
no display	no display	Power Failure If there is no keypad display at all and the LEDs are unlit, operating power (AC and battery) for the system has stopped and the system is inoperative. If the message "AC LOSS" (Alpha display keypads) or "NO AC" (Fixed-Word display keypads) is displayed, the keypad is operating on battery power only. If the battery standby capacity is used up during a prolonged AC power outage, the control's power will shut down to minimize deep discharge of the battery.
Comm. Failure	FC	A communication failure has occurred.
Open Circuit	0C	The keypad is not receiving signals from the control; sees an open circuit.
Long Rng Trbl	bF	Backup LRR communication failure.
Bell Failure	70	Bell supervision failure.
RCVR Jam	90	RF jam detected.
KEYPAD LOW BAT	00 BAT	Wireless keypad low battery.
Phone Okay	Cd	The dialer test has been successful (CID code 601).
Dialer Off	d0	The dialer is disabled.
Test in Progress	dd	Walk test mode is active(CID code 607).
Upload Completed	dC	The upload or download session was completed.
Upload Failed	dF	The upload or download session failed before completion.

TABLE OF DEVICE ADDRESSES

This Device	Uses Address	Reports as ††	Enabled By…
RF Receiver	00	100	*56 zone programming: input device type entry
AUI 1	01	101	Automatic if AUI enable field *189 enabled for AUI 1
AUI 2	02	102	Automatic if AUI enable field *189 enabled for AUI 2
AUI 3	05	105	Automatic if AUI enable field *189 enabled for AUI 3
AUI 4	06	106	Automatic if AUI enable field *189 enabled for AUI 4
Communications Device †††	03	103	automatic if output to long range radio field *29 enabled
4286 Voice Module	04	104	automatic if phone module access code field *28 enabled
Zone Expanders (4219/4229):			*56 zone programming: input device type entry, then:
module 1 (for zones 09 - 16)	07	107	automatic if zone no. 9-16 entered as AW type or relay assigned
module 2 (for zones 17 - 24)	08	108	automatic if zone no. 17-24 entered as AW type or relay assigned
module 3 (for zones 25 - 32)	09**	109	automatic if zone no. 25-32 entered as AW type or relay assigned
module 4 zones 33 - 40	10**	110	automatic if zone no. 33-40 entered as AW type or relay assigned
module 5 zones 41 - 48	11**	111	automatic if zone no. 41-48 entered as AW type or relay assigned
Relay Modules (4204):			*79 output device programming: device address prompt:
module 1	12	112	entered at device address prompt
module 2	13	113	entered at device address prompt
module 3	14**	114	entered at device address prompt
module 4	15**	115	entered at device address prompt
Keypads:			data field programming as listed below:
keypad 1	16	n/a	always enabled, all sounds enabled.
keypad 2	17	n/a	data field *190
keypad 3	18	n/a	data field *191
keypad 4	19	n/a	data field *192
keypad 5	20	n/a	data field *193
keypad 6	21	n/a	data field *194
keypad 7	22	n/a	data field *195
keypad 8	23	n/a	data field *196
5800TM Module	28	n/a	automatic

** These module addresses apply to VISTA-20P only.

†† Addressable devices are identified by "1" plus the device address when reporting. Enter report code for zone 91 to enable addressable device reporting (default = reports enabled). See field *199 for addressable device (ECP) 3-digit/2-digit identification keypad display options.

††† The controls support upload/download via the Internet (IP) when used with an appropriate communications device. See note in *29 Long Range Radio output.

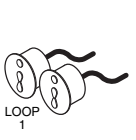
5800 SERIES TRANSMITTER INPUT LOOP IDENTIFICATION

All of the transmitters illustrated have one or more unique factory assigned input (loop) ID numbers. Each of the inputs requires its own programming zone (e.g., a 5804's four inputs require four programming zones).

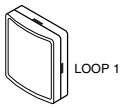
For information on any transmitter not shown, refer to the instructions accompanying that transmitter for details regarding loop numbers, etc.

UL NOTE: The following transmitters are not intended for use in UL installations: 5802MN, 5802MN2, 5804, 5804BD, 5814, 5816TEMP, 5819, 5819WHS & BRS, and 5850.

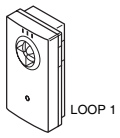
The 5827BD and 5800TM can be used in UL Listed Residential Burglar installations.



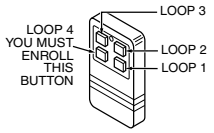
5800Micra
ENROLL AS "RF"



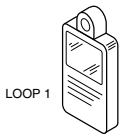
5800SS1
ENROLL AS "RF"



5800WAVE
SET HOUSE ID
ENROLL AS "RF"

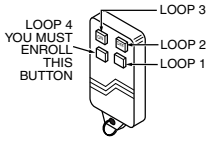


5801
ENROLL AS
"UR OR "RF"

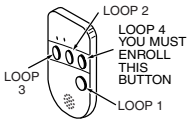


5802 MN
ENROLL AS
"UR" OR "RF"

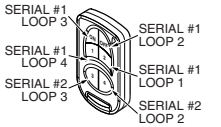
5802 MN2
ENROLL AS
"UR" OR "RF"



5804/5804E
ENROLL AS "BR"



5804BD/5804BDV
ENROLL AS "BR"
SET HOUSE ID

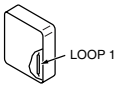


SERIAL #2 - LOOP 1 = ON + 4 BUTTONS
LOOP 4 = 3 + 4 BUTTONS

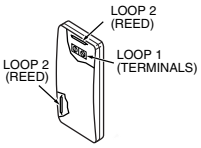
5805-6
ENROLL AS "BR"

5806/5806W3
5808/5808LST/5808W3
ENROLL AS "RF"

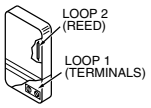
5809
ENROLL AS "RF"



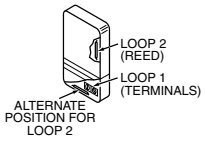
5814
ENROLL AS "RF"



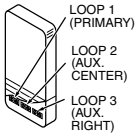
5815
ENROLL AS "RF"



5816
ENROLL AS "RF"

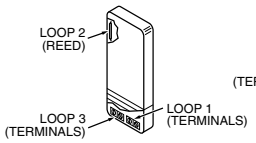


5816MN
ENROLL AS "RF"

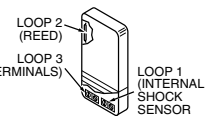


5817
ENROLL AS "RF"

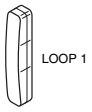
5818MNL
ENROLL AS "RF"



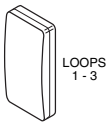
5819
ENROLL AS "RF"



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

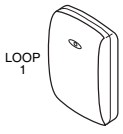


5820/5820L
ENROLL AS "RF"

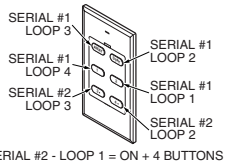


5821
ENROLL AS "RF"

5828/5828V
SET HOUSE ID

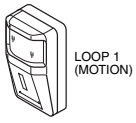


5853
ENROLL AS "RF"

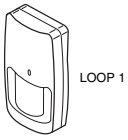


SERIAL #2 - LOOP 1 = ON + 4 BUTTONS
LOOP 4 = 3 + 4 BUTTONS

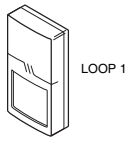
5878
ENROLL AS "BR"



5890/5890PI
ENROLL AS "RF"

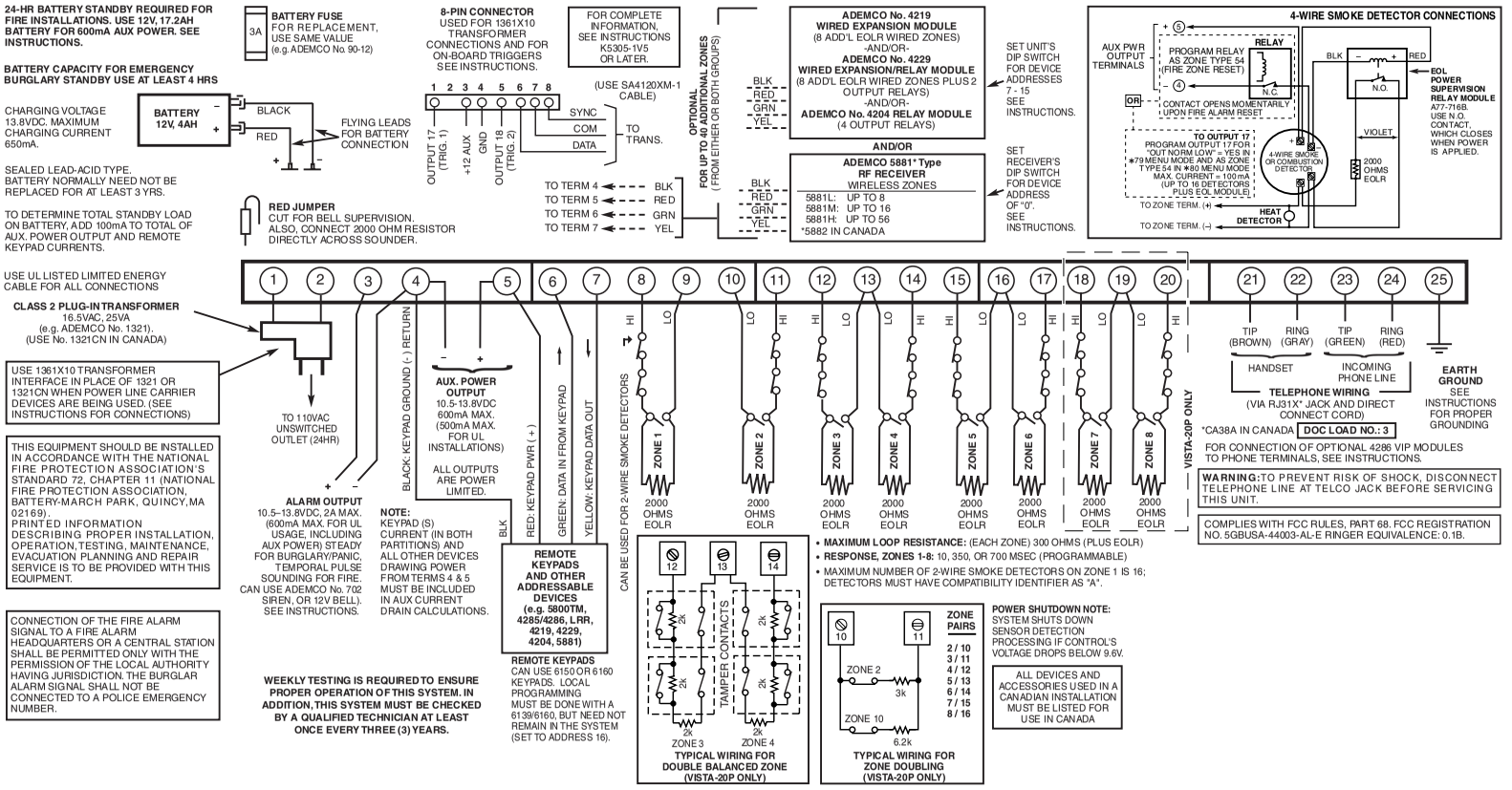


5894PI
ENROLL AS "RF"



5897-35
ENROLL AS "RF"

5800-003-V0



ADEMCO VISTA-20P / VISTA-20PSIA SERIES / VISTA-15P / VISTA-15PSIA SERIES SUMMARY OF CONNECTIONS

V20P_V15P-SOC-V7

K5305-1PRV6 7/08 Rev. A

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