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

Programming Guide
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 MODE COMMANDS

<table>
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<tr>
<th>Task</th>
<th>Command/Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Go to a Data Field</td>
<td>Press [✱] + [Field Number], followed by the required entry.</td>
</tr>
<tr>
<td>Entering Data</td>
<td>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.</td>
</tr>
<tr>
<td>Review a Data Field</td>
<td>Press [#] + [Field Number]. Data will be displayed for that field number. No changes will be accepted in this mode.</td>
</tr>
<tr>
<td>Deleting an Entry</td>
<td>Press [*] + [Field Number] + [✱]. (Applies only to fields *40 thru *46, *94, and pager fields)</td>
</tr>
<tr>
<td>Initialize Download ID</td>
<td>Press #96. Initializes download ID and subscriber account number.</td>
</tr>
<tr>
<td>Reset Factory Defaults</td>
<td>Press #97. Sets all data fields to original factory default values.</td>
</tr>
<tr>
<td>Zone Programming</td>
<td>Press #56. Zone characteristics, report codes, alpha descriptors, and serial numbers for 5800 RF transmitters.</td>
</tr>
<tr>
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<td>Press #57. Unlabeled keypad keys (known as ABCD keys) for special functions</td>
</tr>
<tr>
<td>Zone Programming (Expert Mode)</td>
<td>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.</td>
</tr>
<tr>
<td>Output Device Mapping</td>
<td>Press #79. Assign module addresses and map individual relays/powerline carrier devices</td>
</tr>
<tr>
<td>Output Programming</td>
<td>Press #80. 4229 or 4204 Relay modules, Powerline Carrier devices, or on-board triggers</td>
</tr>
<tr>
<td>Zone List Programming</td>
<td>Press #81. Zone Lists for relay/powerline carrier activation, chime zones, pager zones, etc.</td>
</tr>
<tr>
<td>Alpha Programming</td>
<td>Press #82. Zone alpha descriptors</td>
</tr>
<tr>
<td>Exit Program Mode with installer code lockout</td>
<td>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.</td>
</tr>
<tr>
<td>Exit Program Mode</td>
<td>Press #99. Exits programming mode and allows re-entry by: Installer Code + 8 + 0 + 0 or method A above.</td>
</tr>
</tbody>
</table>

### SPECIAL 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, di (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.

### TABLE OF DEVICE ADDRESSES

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

** 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.
**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 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 = no; 1 = yes

**Part. 1**: Part. 2

### 22 RF Jam Option

0 = no RF Jam detection; 1 = send RF Jam report

UL: must be 1 if wireless devices are used

### 23 Quick (Forced) Bypass

0 = no quick bypass; 1 = allow quick bypass (code + [6] + [9])

**JL:** must be “V”

### 24 RF House ID Code

[00,00,00]

00 = disable all wireless keypad usage

01–31 = using 5807, 5827RD or 5804BD keypad

**Common:**

**Part. 1:** Part. 2

### 26 Chime By Zone

0 = no; 1 = yes (list chime zones on zone list 3 using *81 Menu mode)

### 27 Powerline Carrier Device (X–10)

[00]

### 28 Access Code For Phone Module

[00,1]

00 = disable; 1 = enable

**Partition 1 only**

1st digit: enter 1–9; 2nd digit: enter # = 11 for “*”; or # = 12 for “#”.

**UL:** must be “00” for UL Commercial Burglar Alarm inst.

### 29 Long Range Radio Output

0 = disable; 1 = enable

### 31 Single Alarm Sounding Per Zone

0 = unlimited sounding; 1 = one alarm sounding per zone

**V20PSIA/V15PSIA:** If “0” selected, “alarm sounding per zone” will be the same as “Report Format” field “93” (if one report, 2 if 2 reports, unlimited for zones in zone list 7).

### 32 Fire Alarm Sounder Timeout

0 = sound stops at timeout; 1 = no timeout

**JL:** must be “1” for fire install

### 33 Alarm Sounder (Bell) Timeout

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]

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.

**JL:** see inst. for requirements. Common zones use part. 1 delay.

### 35 Entry Delay #1

[30,30]

Common zones use same delay as partition 1. Part. 1: Part. 2

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.

### 36 Entry Delay #2

[30,30]

### 37 Audible Exit Warning

0 = no; 1 = yes (SIA Guidelines: must be enabled)

**Part. 1**: Part. 2

### 38 Confirmation Of Arming Ding

[0,0]

0 = no; 1 = yes (wired keyboards and RF)

2 = yes, RF only

**JL:** must be “1” for UL Commercial Burglar Alarm inst.

### 39 Power Up In Previous State

0 = no, always power up disarmed; 1 = yes, power up in previous state

**UL:** must be “1”

**SIA Guidelines:** must be “1”

### 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 “*#” (see field *43 for entries)

**Part. 1:** Part. 2

### 41 Primary 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 “*”; or #+12 for “#”. For Acct. B34, enter: #+11 + 2 + 3 + 4

### 42 Second Phone No.

### 43 Partition 1 Primary Acct. No.

[FFFFFFFE] 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)

[FFFFFFF]

**NOTE:** To clear, press “44”.

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

[FFFFFFFF]

**NOTE:** To clear, press “45”.

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

[FFFFFFFF]

**NOTE:** To clear, press “46”.

### 47 Phone System Select

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

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

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**Split/Dual Reporting**

0 = Standard/backup reporting only (all to primary)
1 = Alarms, Restore, Cancel
2 = All except Open/Close, Test
3 = Alarms, Restore, Cancel
4 = All except Open/Close, Test
5 = All

Primary Phone No. | 2nd Phone No.
--- | ---
Open/Close, Test | All

UL: Grade AA must be "0"; Grade A must be "15" max

**Burglary Delay**

Delay Time: 0 = no delay (both signals sent); 1 = 15 secs; 2 = 30 secs, etc.

**SESCO/A Radionics Select**

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

**Dynamic Signaling Delay**

Select delay from 0 to 225 secs, in 15-sec increments.

**Dynamic Signaling Priority**

0 = Primary Burglar first; 1 = Long Range Radio first.

**Menu Modes**

These are Menu Mode commands, not data fields, for Zone Programming, Function Key Programming, and Expert Mode Zone Programming respectively. See page 2 and respective sections later in this document.

**SYSTEM STATUS REPORT CODES**

See above for entries.

**Exit Error Alarm Report Code**

0 = Enabled

**Trouble Report Code**

0 = Disabled

**Bypass Report Code**

0 = Disabled

**AC Loss Report Code**

0 = Disabled

**Low Bat Report Code**

0 = Disabled

**Test Report Code**

0 = Disabled

**Open Report Code**

0 = Standard/backup reporting only (all to primary)
1 = Alarms, Restore, Cancel
2 = All except Open/Close, Test
3 = Alarms, Restore, Cancel
4 = All except Open/Close, Test
5 = All

Primary Phone No. | 2nd Phone No.
--- | ---
Open/Close, Test | All

UL: must be enabled if wireless devices are used

**RF Trans. Low Bat Report Code**

JL: must be enabled if wireless devices are used

**Cancel Report Code**

0 = Disabled

**Recent Closing Report Code**

0 = Disabled

**RESTORE REPORT CODES**

**Daylight Savings Time**

Start/End Month

0 = Disabled

1-12 = January-September (1 = Jan, 2 = Feb, etc)

**Daylight Savings Time**

Start/End Weekend

0 = Disabled

1 = first; 2 = second; 3 = third; 4 = fourth;

5 = last; 6 = next to last; 7 = third to last

**Auto Stay Arm**

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

**Cross Zone Timer**

0 = Disabled

**Cancel Verify Keypad Display**

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.)

**Misc. Fault Delay Time**

0 = Disabled

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

#+10 = October; #+11 = November; #+12 = December

**Setup Guide for procedures.**

**Start/End Month**

0 = Disabled

1-12 = January-September (1 = Jan, 2 = Feb, etc)

Start/End Weekend

0 = Disabled

1 = first; 2 = second; 3 = third; 4 = fourth;

5 = last; 6 = next to last; 7 = third to last
Program Mode Lockout Options

- 58

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)

Event Log Full Report Code

- 88

See box above field *59 for report code entries.

Event Log Enables

- 89

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.

Option Selection

- 90

Options: 0 = None
1 = 1 minute
2 = 2 minutes
3 = 3 minutes
This delay is for ALL pagers in the system.

Option Selection

- 91

Options: 0 = None
1 = 1 minute
2 = 2 minutes
3 = 3 minutes

Phone Line Monitor Enable

- 92

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

Reports In Armed Period

- 93

Per Zone (Swinger Suppression) Restrict Report Pairs:
0 = Unlimited Reports
1 = 1 report pair
2 = 2 report pairs
SIA Guidelines: Must be set for option 1 or 2.

DOWNLOAD INFORMATION (*94, *95)

Download Phone No.

- 94

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

Ring Count For Downloading

- 95

NOTE: Do not enter "0" if using 4285/4286 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).

Initialize/Reset Defaults

- 96

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

Exit Commands

- 97

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

PAGER OPTIONS (*160- *172)

PAGER OPTIONS (*160- *172)

Pager 1 Phone No.

- 160

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

Pager 1 Characters

- 161

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

Pager 1 Report Options

- 162

Part. 1 Part. 2 common
For each partition, select from the following options:
0 = no reports sent
1 = Opens/closes all users
2 = 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

Pager 2 Phone No.

- 163

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

Pager 2 Characters

- 164

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

Pager 2 Report Options

- 165

Part. 1 Part. 2 common
See field *162 for reporting options. Select for each partition (use zone list 10 if using options 12 or 13).

Pager 3 Phone No.

- 166

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

Pager 3 Characters

- 167

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

Pager 3 Report Options

- 168

Part. 1 Part. 2 common
See field *162 for reporting options. Select for each partition (use zone list 11 if using options 12 or 13).

Pager 4 Phone No.

- 169

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

Pager 4 Characters

- 170

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

Pager 4 Report Options

- 171

Part. 1 Part. 2 common
See field *162 for reporting options. Select for each partition (use zone list 12 if using options 12 or 13).

Pager Delay Option For Alarms

- 172

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] [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]
0 = 60 Hz; 1 = 50 Hz

**CONFIGURABLE ZONE TYPE OPTIONS (**182-**185)**
(see Configurable Zone Type Worksheet on page 7)

**182** Configurable Zone Type 90

<table>
<thead>
<tr>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
<th>9</th>
<th>10</th>
</tr>
</thead>
</table>

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 burglary 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

<table>
<thead>
<tr>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
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(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 burglary 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 1 and 2 Enable [1] [1]
(for Touch Screen Style Keypads) AUI 1 AUI 2
System supports up to two touch screen style keypads (e.g., Symphony Advanced User Interface, and 6270 Touch Screen Keypad).

**AUI Compatibility Note:** To ensure proper AUI device operation, connect only to controls having microprocessor version 3.0 or higher, and 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 AUI device address to 1
Touch Screen (AUI) device 2: Must set AUI device address to 2
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)**

**190** Keypad 2 Device Address 17 [0] [0]

†Partition/Enable:
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.

**192** Keypad 4 Device Address 19 [0] [0]

See field #190 for entries.

**193** Keypad 5 Device Address 20 [0] [0]

See field #190 for entries.

**194** Keypad 6 Device Address 21 [0] [0]

See field #190 for entries.

**195** Keypad 7 Device Address 22 [0] [0]

See field #190 for entries.

**196** Keypad 8 Device Address 23 [0] [0]

See field #190 for entries.

**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., 6152RF), do not set exit delay time greater than 96 seconds. See Inst. Instr. for explanation.

**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.

#### Entries for Fields *182 and *184

<table>
<thead>
<tr>
<th>Entry</th>
<th>Zone Type 90 (field *182)</th>
<th>Zone Type 91 (field *184)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

![Zone Conditions Diagram](image)

**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.
   - For double-balanced zones, this entry must be “0.”
   - For zone-doubled zones, both zones of the doubled pair must be assigned the same response to a short.

---

**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.

**Entries for Fields *182 and *184**

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<tr>
<th>Entry</th>
<th>Zone Type 90 (field *182)</th>
<th>Zone Type 91 (field *184)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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**

![Zone Conditions Diagram](image)

**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.
   - For double-balanced zones, this entry must be “0.”
   - For zone-doubled zones, both zones of the doubled pair must be assigned the same response to a short.
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 = Keypswitch
06 = 24-Hr Silent 16 = Fire w/Verify 81 = AAV Monitor Zone
*5800 button-type transmitters only 90-91 = Configurable

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

REPORT CODE
1-9, # for 0, #+10 for B, #+11 for C, #+12 for D, #+13 for E, #+14 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 desired response time for this zone:
0 = 0mSec; 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).
2. 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.
3. 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 [0], and the serial number will return to the display.

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.

(prompts continued in next column)

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
(set *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

<table>
<thead>
<tr>
<th>Zn</th>
<th>ZT</th>
<th>P</th>
<th>RC</th>
<th>HW</th>
<th>RT</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>09</td>
<td>1</td>
<td>10</td>
<td>EL</td>
<td>1</td>
</tr>
</tbody>
</table>
(Typical for Zone 1, initial summary screen)

<table>
<thead>
<tr>
<th>Zn</th>
<th>ZT</th>
<th>P</th>
<th>RC</th>
<th>IN</th>
<th>L</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>00</td>
<td>1</td>
<td>10</td>
<td>RF</td>
<td>–</td>
</tr>
</tbody>
</table>
(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), 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
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, 2, or 3-common) 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**

<table>
<thead>
<tr>
<th>For 5804 Loop Function Zone Type</th>
<th>For 5804BD Loop Function Zone Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>TEMPLATE 1 1 No Response 23</td>
<td>TEMPLATE 4 1 No Response 23</td>
</tr>
<tr>
<td>2 Disarm 22</td>
<td>2 No Response 23</td>
</tr>
<tr>
<td>3 Arm Away 21</td>
<td>3 Arm Away 21</td>
</tr>
<tr>
<td>4 No Response 23</td>
<td>4 Disarm 22</td>
</tr>
<tr>
<td>TEMPLATE 2 1 No Response 23</td>
<td>TEMPLATE 5 1 No Response 23</td>
</tr>
<tr>
<td>2 Disarm 22</td>
<td>2 Arm Stay 20</td>
</tr>
<tr>
<td>3 Arm Away 21</td>
<td>3 Arm Away 21</td>
</tr>
<tr>
<td>4 Arm Stay 20</td>
<td>4 Disarm 22</td>
</tr>
<tr>
<td>TEMPLATE 3 1 24-hour audible 7</td>
<td>TEMPLATE 6 1 24-hour audible 7</td>
</tr>
<tr>
<td>2 Disarm 22</td>
<td>2 Arm Stay 20</td>
</tr>
<tr>
<td>3 Arm Away 21</td>
<td>3 Arm Away 21</td>
</tr>
<tr>
<td>4 Arm Stay 20</td>
<td>4 Disarm 22</td>
</tr>
</tbody>
</table>

---

**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, 5819WSH & BRS, and 5850. The 5827BD and 5800TM can be used in UL Listed Residential Burglar installations.

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**“57 Function Key Programming** (press *57 while in Data Programming mode)
The Function Key Worksheet is on page 14.

**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**
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 (emergency key, same as [1] [*] pair)
   If B selected = Zone 99 (emergency key, same as [*] [#] pair)
   If C selected = Zone 96 (emergency 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 are 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 Menu Mode**  
(press *79 while in Programming mode)  
The *79 Device Mapping Worksheet is on page 14.

ENTER OUTPUT NO.  
01-18 = VISTA-20P relays/X-10; 01-08, 17, 18 = VISTA-15P relays/X-10  
[*] to continue

OUT NORM LOW (appears only for triggers 17/18)  
0 = no (standard default); sets the output 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 Menu Mode**  
(press *80 while in Programming mode)  
The Output Definition Worksheet is on page 15.

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

SUMMARY SCREEN

<table>
<thead>
<tr>
<th>01</th>
<th>A</th>
<th>E</th>
<th>P</th>
<th>Trig</th>
</tr>
</thead>
<tbody>
<tr>
<td>?00</td>
<td>0</td>
<td>0</td>
<td>--</td>
<td>ZL=00</td>
</tr>
</tbody>
</table>

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  
umber (go to “C” prompt)  
Press [*] to continue  
“A” (if zone list was selected)

ZONE 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)

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  
4 = Pulse 1 sec on and 1 sec off; 5 = Duration 1 (see data field *177); 6 = Duration  
2 (see data field *177)  
Press [*] to continue.

**81 Menu Mode**  
(press *81 while in Programming mode)  
The Zone List Worksheet is on page 14.

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 Programming

PRE-DEFINED DESCRIPTORS

PROGRAM ALPHA  
0 = no (quit Alpha mode)  
1 = yes  
Press [*] or [8] 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 [8] plus the 3-digit number from the Alpha Vocabulary List on  
page 11 for the first word.  
b. Press [8] 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 [8]) 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:

[a] moves cursor one space to the left.
[b] moves cursor one space to the right.
[c] saves the new word in the system’s memory.

1. Select Custom 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 respectively. 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 [a], 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 [c] 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 number in step 2:

11 = partition 1; 12 = partition 2; 13 = common lobby

ALPHA VOCABULARY LIST (For Entering Zone Descriptors)

Note: Bulleted (∗) words in boldface type are those that are also available for use by the 4285/4286 Phone Module. If using a Phone module, 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.
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

DEVICE NUMBER (for event 1 relay on/off)
01-18; [*] to continue.

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

PARTITION (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.

SCHEDULES WORKSHEET (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)

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<thead>
<tr>
<th>No.</th>
<th>Event (see list below)</th>
<th>Device No. for “01” events: enter 01-18</th>
<th>Group No. for “02” events: enter 1-8</th>
<th>Partition for “04-06” events: enter 1-3</th>
<th>Start Time/ Days</th>
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Events:
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”
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
## ZONE PROGRAMMING WORKSHEET

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

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<td>N/A</td>
<td>keypad [+] / [#]</td>
</tr>
</tbody>
</table>

### NOTES:
- Zone Type: see chart on page 12.
- Report Code: enabled if any digit entered as 1st digit.
- Hardwire Type (zns 1-8):
  - 0 = EOL
  - 1 = NC
  - 2 = NO
  - 3 = ZD
  - 4 = DB
- Input Type:
  - 2 = AW (zones 9-48)
  - 3 = RF (zones 9-48)
  - 4 = UR (zones 9-48)
  - 5 = BR (zones 49-64)
- Response Time:
  - 0 = 10msec
  - 1 = 350msec
  - 2 = 700msec
  - 3 = 1.2 sec
- Reserved Zones
  - 91 = addressable device report enable/disable
  - 92 = Duress report enable/disable
  - 95 = keypad [1] / [*]
  - 96 = keypad [3] / [#]
  - 99 = keypad [+] / [#]
**57 FUNCTION KEY WORKSHEET**

<table>
<thead>
<tr>
<th>Option</th>
<th>Function</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>Comments</th>
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</table>

**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.

---

**OUTPUT RELAYS/POWERLINE CARRIER (X-10) DEVICES WORKSHEET FOR *79, *80 and *81.**

Applicable only if Relays and/or Powerline Carrier Devices are to be used.

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

<table>
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<th>Module Addr.</th>
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<th>Unit No.</th>
<th>Description</th>
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</tr>
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</tr>
<tr>
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</table>

**OUTPUT TYPE (09-16 apply to VISTA-20P only)**

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<th>Pos (1-4)</th>
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<th>Description</th>
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<td></td>
<td></td>
</tr>
<tr>
<td>17</td>
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<td></td>
<td>On-Board Trigger 1 norm output =</td>
</tr>
<tr>
<td>18</td>
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<td></td>
<td>On-Board Trigger 2 norm output =</td>
</tr>
</tbody>
</table>

---

**ZONE LISTS WORKSHEET**

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.

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

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. Tamper of expansion units cannot be used to operate devices.

<table>
<thead>
<tr>
<th>Output Number (V20P=1-48)</th>
<th>Zone List (ZL)</th>
<th>Zone Type (ZT)</th>
<th>Zone No. (ZN)</th>
<th>Event (for zone list/activated by)</th>
<th>Action (off)</th>
<th>Output Number (V20P=1-18)</th>
<th>Device Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1-8 = list</td>
<td>(if using ZT trig)</td>
<td>00 = none</td>
<td>0 = restore</td>
<td>1 = close 2 secs</td>
<td></td>
<td>R = relay</td>
</tr>
<tr>
<td>2</td>
<td>1-8 = list</td>
<td>(if using ZT trig)</td>
<td>00 = none</td>
<td>1 = alarm</td>
<td>2 = alarm</td>
<td></td>
<td>T = trigger</td>
</tr>
<tr>
<td>3</td>
<td>1-8 = list</td>
<td>(if using ZT trig)</td>
<td>00 = none</td>
<td>3 = fault</td>
<td>3 = trouble</td>
<td></td>
<td>X = X10</td>
</tr>
<tr>
<td>4</td>
<td>1-8 = list</td>
<td>(if using ZT trig)</td>
<td>00 = none</td>
<td>4 = toggle</td>
<td>5 = duration 1††</td>
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<td>1-8 = list</td>
<td>(if using ZT trig)</td>
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<td>6 = duration 2††</td>
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</tr>
</tbody>
</table>

### ZONE TYPE/SYSTEM OPERATION – Choices for Zone Types are:
- **00 = Not Used**
- **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**
- **21 = Arming–Away**
- **22 = Disarming (Code + OFF)**
- **31 = End of Exit Time**
- **32 = Start of Entry Time**
- **36 = "At Bell Timeout***
- **38 = Chime**
- **39 = Any Fire Alarm**
- **40 = Bypassing**
- **41 = **AC Power Failure**
- **42 = **System Battery Low**
- **43 = Communication Failure**
- **52 = Kissoff**
- **54 = Fire Zone Reset**
- **58 = Duress**
- **60 = AAV Trigger**
- **66 = Function key**
- **67 = Bell Failure**
- **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.
- Use *57 Menu mode to assign the function key.
- Duration is set in program field *177.
- Device action not used for these choices.