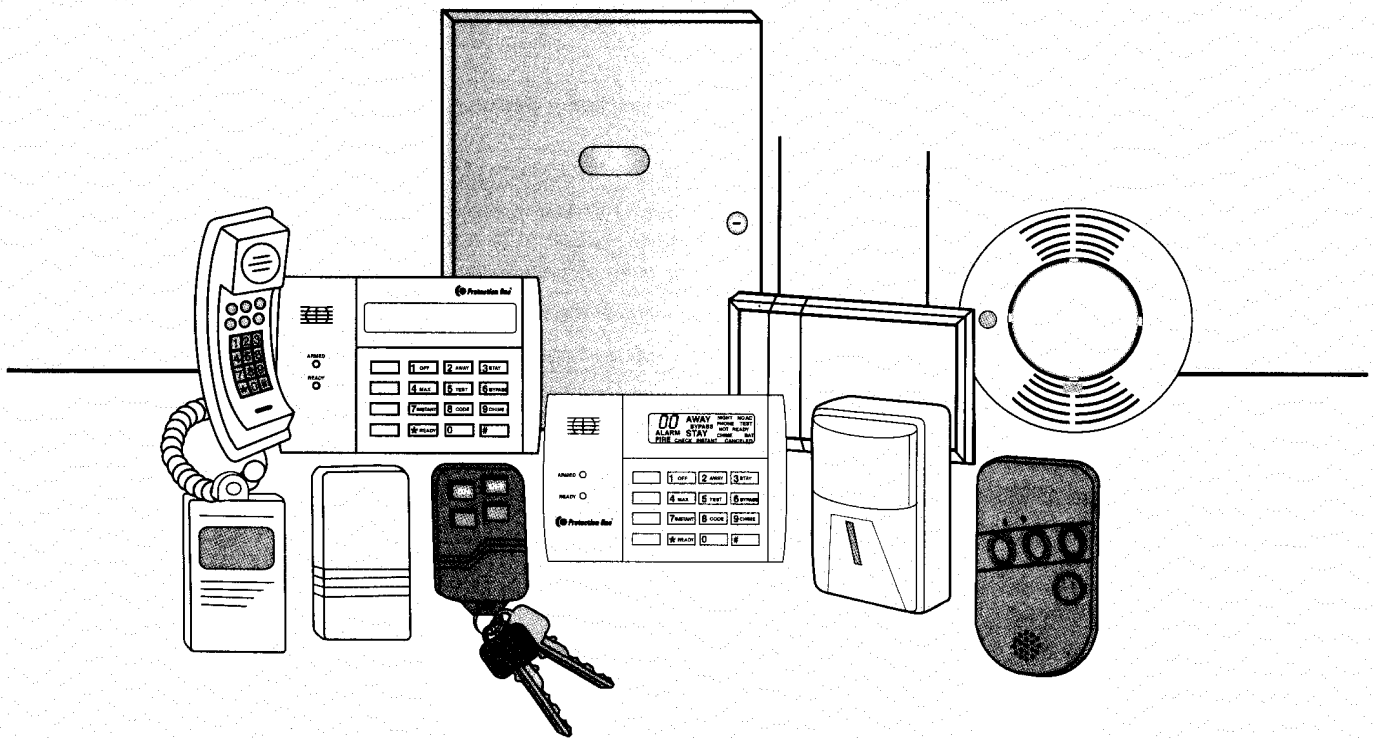


300P1

(VISTA-15P with Custom Defaults)

Programming Guide



TO ENTER PROGRAMMING MODE:

Local programming requires the use of an alpha keypad connected to the keypad terminals on the control.

A. POWER UP, then depress [*] and [#] both at once, within 50 seconds of powering up (if *98 was used to exit program mode, this method must be used to reenter program mode).

OR

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

DATA FIELD PROGRAMMING PROCEDURES

Task	Procedure
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–*46, *94, and pager programming fields)

INTERACTIVE MODE PROGRAMMING (*56, *57, *58, *79, *80, *81, *82)

Press [*] + [Interactive Mode No.] (for example, *56). The alpha display keypad will display the first of a series of prompts requesting entries.

Interactive Mode	Used to Program
*56 Zone Programming	Zone characteristics, report codes, alpha descriptors, and serial numbers for 5800 RF transmitters.
*57 Function Key Programming	Unlabeled keypad keys (known as ABCD keys) for special functions
*58 Zone Programming (Expert mode)	Same options as *56 mode, but with fewer prompts. Intended for those familiar with this type of programming, otherwise *56 mode is recommended.
*79 Output Device Mapping	Assign module addresses and map individual relays/powerline carrier devices
*80 Output Programming	4229 or 4204 Relay modules, Powerline Carrier devices, or on-board triggers
*81 Zone List Programming	Zone Lists for relay/powerline carrier activation, chime zones, pager zones, etc.
*82 Alpha Programming	Zone alpha descriptors

INITIALIZE DOWNLOAD and RESET DEFAULTS

***96** Initializes download ID and subscriber account number.

***97** Sets all data fields to original factory default values.

TO EXIT PROGRAMMING MODE:

***98** Exits programming mode and *prevents* re-entry by: **Installer Code + 8 + 0 + 0**. If ***98** is used to exit programming mode, system must be powered down, and method A above used to enter the programming mode. See field *88 for other *98 exit lockout options.

***99** Exits programming mode and *allows* re-entry by: **Installer Code + 8 + 0 + 0** or method 1 above.

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**, **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.

PROGRAMMING FORM

Entry of a number other than one specified will give unpredictable results. Values shown in brackets are factory defaults.

Field	Function	Data Entries	Programmable Values
SYSTEM SETUP (*20-*29)			
* 20	INSTALLER CODE	<input type="text" value=" "/> [4112]	4 digits, 0-9
*21	QUICK ARM ENABLE	<input type="checkbox"/> [1]	0 = no; 1 = yes
*22	RF JAM OPTION	<input type="checkbox"/> [0]	0 = no RF Jam detection; 1 = send RF Jam report UL: must be 1 if wireless devices are used
*23	QUICK (FORCED) BYPASS	<input type="checkbox"/> [0]	0 = no quick bypass UL: must be "0" 1 = allow quick bypass (code + [6] + [#])
* 24	RF HOUSE ID CODE	<input type="text" value=" "/> [0,0]	00 = disable all wireless keypad usage 01-31 = using 5827, 5827BD or 5804BD keypad [00,00,00]
*26	CHIME BY ZONE	<input type="checkbox"/> [0]	0 = no; 1 = yes (select zones to chime on zone list 3, using *81 Menu mode)
*27	POWERLINE CARRIER DEVICE (X-10) HOUSE CODE	<input type="checkbox"/> [0]	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	<input type="text" value=" "/> [00]	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	<input type="checkbox"/> [1]	0 = disable; 1 = enable
ZONE SOUNDS AND TIMING (*31 - *39)			
*31	SINGLE ALARM SOUNDING per ZONE	<input type="checkbox"/> [1]	0 = no UL: must be "0" ; 1 = yes
*32	FIRE ALARMSOUNDER TIMEOUT	<input type="checkbox"/> [0]	0 = sounder stops at timeout; 1 = no sounder timeout UL: must be "1" for fire install.
*33	ALARM SOUNDER (BELL) TIMEOUT	<input type="checkbox"/> [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 Burglar installations, must be minimum 16 min (option 4)
*34	EXIT DELAY	<input type="text" value=" "/> [60]	00 - 96 = 0 - 96 secs; 97 = 120 secs SIA Installations: minimum exit delay is 45 seconds UL: see inst. instr. for requirements.
*35	ENTRY DELAY #1 (zone type 01)	<input type="text" value=" "/> [30]	00 - 96 = 0 - 96 seconds 97 = 120 seconds 98 = 180 seconds 99 = 240 seconds SIA Installations: minimum entry delay is 30 seconds For UL Residential Burglar 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 (zone type 02)	<input type="text" value=" "/> [30]	See *35 Entry Delay 1 above for entries.
*37	AUDIBLE EXIT WARNING	<input type="checkbox"/> [1]	0 = no; 1 = yes SIA Installations: must be enabled (enter 1)
*38	CONFIRMATION OF ARMING DING	<input type="checkbox"/> [0]	0 = no; 1 = yes (wired keypads and RF) 2 = yes, RF only UL: must be "1" for UL Commercial Burglar Alarm inst.
*39	POWER UP IN PREVIOUS STATE	<input type="checkbox"/> [1]	0 = no; 1 = yes UL: must be "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 Enter up to 6 digits. To clear entries, press *40*. If call waiting used, enter "*" (#+11) 70" plus "# + 13" (pause).

* 41 PRIMARY PHONE No.

* 42 SECOND PHONE No.

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

NOTE: Entry of a number other than one specified will give unpredictable results.

For fields *43- *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:

- *43 PRIMARY ACCT. No. Enter 4 or 10 digits, depending on selection in *48 Report Format. See box above. To clear entries, press *43*. [FFFF]
 - *44 SECONDARY ACCT. No. Enter 4 or 10 digits, depending on selection in *48 Report Format. See box above. To clear entries, press *44*. [FFFF]
 - *47 PHONE SYSTEM SELECT [1] If Cent. Sta. /S NOT on a WATS line:
0=Pulse Dial; 1=Tone Dial;
if Cent. Sta. /S on a WATS line:
2 = Pulse Dial ; 3 = Tone Dial
 - *48 REPORT FORMAT [77] [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 STANDARD
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 EXPANDED
9 = 3+1, 4+1 RADIONICS EXPANDED
 - *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 = no delay
1 = 15 seconds
2 = 30 seconds
3 = 45 seconds
SIA Installations: delay must be minimum of 30 seconds
 - *53 SESCOA/RADIONICS SELECT [0] 0 = Radionics (0-9, B-F)
1 = SESCOA (0-9 only reporting)
Select "0" for all other formats.
 - *54 DYNAMIC SIGNALING DELAY [2] Select delay from 0 to 225 secs, in 15-sec increments.
0 = no delay (both signals sent), 1 = 15 secs,
2 = 30 secs, etc.
 - *55 DYNAMIC SIGNALING PRIORITY [0] 0 = Primary Dialer first; 1 = Long Range Radio first.
- *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 2 and their respective sections in the Installation and Setup Guide for procedures.

TO PROGRAM SYSTEM STATUS, & RESTORE REPORT CODES (*59 – *76, & *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.

SYSTEM STATUS REPORT CODES (*59-* 68)

- *59 EXIT ERROR REPORT CODE [1] See box above.
 - *60 TROUBLE REPORT CODE [10] See box above.
 - *61 BYPASS REPORT CODE [00] See box above.
 - *62 AC LOSS REPORT CODE [00] See box above.
 - *63 LOW BAT REPORT CODE [10] See box above.
 - *64 TEST REPORT CODE [10] See box above. Use Scheduling mode to set periodic test reports,
or use the following key commands:
installer code +[#] + [0] + 0 = test report sent every 24 hours
installer code +[#] + [0] + 1 = test report sent once per week
installer code +[#] + [0] + 2 = test report sent every 28 days
 - *65 OPEN REPORT CODE [0] See box above.
- Each mode sets schedule 08 to the stated repeat option; first test report sent 12 hours after command.

*66	ARM AWAY/STAY RPT CODE	<input type="checkbox"/> <input type="checkbox"/>	[0,0] See box on previous page.	
			Away Stay	
*67	RF XMTR LOW BAT REPORT CODE	<input type="checkbox"/>	[10]	See box on previous page. UL: must be enabled if wireless devices are used
*68	CANCEL REPORT CODE	<input type="checkbox"/>	[10]	See box on previous page.
RESTORE REPORT CODES (*70 – *76)				
*70	ALARM RESTORE RPT CODE	<input type="checkbox"/>	[0]	See box on previous page.
*71	TROUBLE RESTORE RPT CODE	<input type="checkbox"/>	[00]	See box on previous page.
*72	BYPASS RESTORE RPT CODE	<input type="checkbox"/>	[00]	See box on previous page.
*73	AC RESTORE RPT CODE	<input type="checkbox"/>	[00]	See box on previous page.
*74	LOW BAT RESTORE RPT CODE	<input type="checkbox"/>	[10]	See box on previous page.
*75	RF XMTR LO BAT RST RPT CODE	<input type="checkbox"/>	[00]	See box on previous page. UL: must be enabled if wireless devices are used
*76	TEST RESTORE RPT CODE	<input type="checkbox"/>	[00]	See box on previous page.
OUTPUT AND SYSTEM SETUP (*77 – *93)				
*77	DAYLIGHT SAVINGS TIME START\END MONTH	<input type="checkbox"/>	[4][10]	0 = Disabled 1-12 = January-September (1 = Jan, 2 = Feb, etc) #+10 = October; #+11 = November; #+12 = December
*78	DAYLIGHT SAVINGS TIME START\END WEEKEND	<input type="checkbox"/>	[1][5]	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	<input type="checkbox"/>	[1]	0 = no, 1 = yes, auto-stay arm enabled
*85	CROSS ZONE TIMER	<input type="checkbox"/>	[0]	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
	This option not for use in UL installations.		(assign cross zones on zone list 4, using *81 Menu mode)	
*86	CANCEL VERIFY KEYPAD DISPLAY	<input type="checkbox"/>	[1]	0 = no, 1 = yes
*87	MISC. FAULT DELAY TIME (used with Configurable Zone Types "digit 6")	<input type="checkbox"/>	[0]	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	<input type="checkbox"/>	[0]	Enhanced Program Mode Lockout Options: 0 = standard *98 installer code lockout (reentry only by [*] + [#] within 50 seconds after power up) 1 = lockout [*] + [#] reentry after *98 exit (installer code only) 2 = not used 3 = lockout all local programming after *98 exit (reentry via downloader only)
*89	EVENT LOG FULL REPORT CODE	<input type="checkbox"/>	[00]	See box on previous page for report code entries.
*90	EVENT LOG ENABLES	<input type="checkbox"/>	[15]	0 = None; 1 = Alarm/Alarm Restore 2 = Trouble/Trouble Restore; 4 = Bypass/Bypass Restore; 8 = Open/Close. <i>Example:</i> To select "Alarm/Alarm Restore", and "Open/Close", enter 9 (1 + 8); To select all, enter #15.
			NOTE: System messages are logged when any non-zero selection is made.	
*91	OPTION SELECTION	<input type="checkbox"/>	[8]	0 = None 4 = AAV UL: must use ADEMCO UVCM module 8 = Exit Delay Restart/Reset UL: must be disabled SIA Installations: Exit Delay should be enabled.
			Multiple choice example: for AAV (4) + Exit Delay restart (8) enter # + 12.	

***92** PHONE LINE MONITOR ENABLE [0,0]
1 2

UL: see Inst. Instructions for requirements

NOTE: Output Device must either be programmed to be STOPPED in field *80 or STOPPED by Code + # + 8 + output number.

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 system is armed, external sounder activates also.

***93** No. OF REPORTS IN ARMED PERIOD PER ZONE (Swinger Suppression) [1]

0 = Unlimited Reports; 1 = 1 report; 2 = 2 reports
UL: must be "0"

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.

***95** RING COUNT FOR DOWNLOADING [15]

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).

***96, *97** INITIALIZE/RESET DEFAULTS These are commands, not data fields. See page 2.

***98, *99** EXIT COMMANDS These are commands, not data fields. See page 2.

PAGER OPTIONS (*160- *172)

***160** PAGER 1 PHONE No.

Enter up to 20 digits. 0-9; #+11 = '*'; #+12 = '#'; #+13 = 2-second 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 REPORTING OPTIONS [0]

Select from the following options:
0 = no reports sent
1 = Open/closes all users
4 = All alarms and troubles
5 = All alarms / troubles, and open/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 open/closes for all users

***163** PAGER 2 PHONE No.

Enter up to 20 digits. 0-9; #+11 = '*'; #+12 = '#'; #+13 = 2-second 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 REPORTING OPTIONS [0]

See field *162 for reporting options. (use zone list 10 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.
NOTE: The delay does not reset for new alarms occurring while an existing pager delay is in progress.

MISCELLANEOUS SYSTEM FIELDS (*174-*181)

***174** CLEAN ME REPORTING OPTIONS (for ESL smoke detectors) [0]

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 (used in *80 Menu mode-Device Actions 5/6) [0] [0]
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)

***182 CONFIGURABLE ZONE TYPE 90**

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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**

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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.

KEYPAD OPTIONS *190-*196 (NOTE: Options for keypad address 16 are set by the factory and cannot be changed.)

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

***190 KEYPAD 2 DEVICE ADDRESS 17**

<input type="checkbox"/>	<input type="checkbox"/> [0] [0]
Enable	Sound

Enable: 0 = disable; 1 = enable
 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**

<input type="checkbox"/>	<input type="checkbox"/> [0] [0]
Enable	Sound

See field *190 for entries.

***192 KEYPAD 4 DEVICE ADDRESS 19**

<input type="checkbox"/>	<input type="checkbox"/> [0] [0]
Enable	Sound

See field *190 for entries.

***193 KEYPAD 5 DEVICE ADDRESS 20**

<input type="checkbox"/>	<input type="checkbox"/> [0] [0]
Enable	Sound

See field *190 for entries.

***194 KEYPAD 6 DEVICE ADDRESS 21**

<input type="checkbox"/>	<input type="checkbox"/> [0] [0]
Enable	Sound

See field *190 for entries.

***195 KEYPAD 7 DEVICE ADDRESS 22**

<input type="checkbox"/>	<input type="checkbox"/> [0] [0]
Enable	Sound

See field *190 for entries.

***196 KEYPAD 8 DEVICE ADDRESS 23**

<input type="checkbox"/>	<input type="checkbox"/> [0] [0]
Enable	Sound

See field *190 for entries.

***197 EXIT TIME DISPLAY INTERVAL**

[0]

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

***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.

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:		Auto Restore		
Intact EOL <i>RF zone normal</i>	Open <i>RF zone N/A</i>	Shorted <i>RF zn off-normal</i>	Vent Zone	
0 = normal	0 = normal	0 = normal	0 = no	0 = no
1 = alarm	4 = alarm	1 = alarm	4 = yes	8 = yes
2 = trouble	8 = trouble	2 = trouble		
3 = fault	12 = fault	3 = fault		
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 <i>RF zone normal</i>	Open <i>RF zone N/A</i>	Shorted <i>RF zn off-normal</i>		
0 = normal	0 = normal	0 = normal	0 = no	0 = no
1 = alarm	4 = alarm	1 = alarm	4 = yes	8 = yes
2 = trouble	8 = trouble	2 = trouble		
3 = fault	12 = fault	3 = fault		
Entry 3 = EOL + Open		Entry 4 = Short + byp. disarmed + byp. armed		

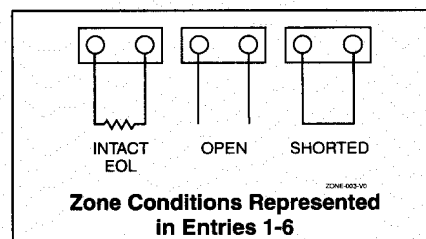
ENTRY 5 (See note 5 for RF zones)		ENTRY 6 (See note 5 for RF zones)		
Response when armed AWAY and zone is:		Dial Delay (see field *50)		Fault Delay (see field *87)
Intact EOL <i>RF zone normal</i>	Open <i>RF zone N/A</i>	Shorted <i>RF zn off-normal</i>		
0 = normal	0 = normal	0 = normal	0 = no	0 = no
1 = alarm	4 = alarm	1 = alarm	4 = use delay	8 = use delay
2 = trouble	8 = trouble	2 = trouble		
3 = fault	12 = fault	3 = fault		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	0 = no	0 = no	0 = no	0 = no
1 = don't show alarms when armed (show alarms, trbles, faults when disarmed)	4 = power reset after fault (by code + OFF)	1 = delay 1	4 = use exit delay	8 = yes
3 = never show any alarms, trbles, faults	12 = verification (see zone type 16)	2 = delay 2		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	0 = no	0 = no	0 = none	0 = no
1 = steady keypad	4 = yes	8 = yes	1 = periodic beep	4 = yes
2 = steady bell and keypad	see fields *32, *33	see zone type 09; see note 4	2 = trouble beeps	
3 = pulsing bell and keypad				
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).



- NOTES:**
- 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.
 - 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."
 - Do not set fire zones to respond as a "fault" (entries 1-6), otherwise faults will not display unless the [*] key is pressed.
 - 4219/4229 modules must use EOLRs or unpredictable results may occur.
 - 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.

***56 ZONE PROGRAMMING WORKSHEET** [default shown in brackets]

Zone	Zn Type	Report	Hardwire Type	Rsp. Time	Location	
1	[09]		[EOL]	[1]		
2	[01]		[EOL]	[1]		
3	[02]		[EOL]	[1]		
4	[03]		[EOL]	[1]		
5	[03]		[EOL]	[1]		
6	[04]		[EOL]	[1]		
Zone	Zn Type	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						
49			[BR]			
50			[BR]			
51			[BR]			
52			[BR]			
53			[BR]			
54			[BR]			
55			[BR]			
56			[BR]			
95	[09]		N/A	N/A	N/A	keypad [1] / [*]
96	[08]		N/A	N/A	N/A	keypad [3] / [#]
99	[07]		N/A	N/A	N/A	keypad [*] / [#]

NOTES:

Zone Type: see definitions on page 12

Hardwire Type (zns 1-6):

- 0 = EOL (zones 1-6)
- 1 = NC (zones 2-6)
- 2 = NO (zones 2-6)

Input Type:

- 2 = AW (zones 9-24)
- 3 = RF (zones 9-34)
- 4 = UR (zones 9-34)
- 5 = BR (zones 49-56)

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

***57 FUNCTION KEY PROGRAMMING**

Option	Function	A	B	C	D	Comments
01	Paging					
02	Time Display					
03	Arm AWAY	(default)				
04	Arm STAY		(default)			
05	Arm NIGHT-STAY					
06	Step Arming					
07	Device Activation					Device:
08	Comm. Test				(default)	
09	Macro Key 1			(default)		
10	Macro Key 2					
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)

OUTPUT RELAYS/POWERLINE CARRIER DEVICES WORKSHEET FOR *79, *80 and *81.
 Applicable only if Relays and/or Powerline Carrier Devices are to be used.

***79 RELAY/POWERLINE CARRIER DEVICE MAPPING (Must program before using *80)**

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

17	On-Board Trigger 1	norm output =
18	On-Board Trigger 2	norm output =

***81 ZONE LISTS FOR OUTPUT DEVICES**

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	
04	Cross Zones	
05	Night-Stay Zones or GP	
06	General Purpose	
07	General Purpose	
08	General Purpose	
09	Zones activating pager 1	
10	Zones activating pager 2	

***80 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.

Output Function Number (1-24)	Activation Type and Detail				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 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 01-34 49-56	By Zone List	By Zone No. 0 = restore 1 = alarm 2 = fault 3 = trouble			
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									

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 = Keypad |
| 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 = Keypad red LED††† |
| | | 79 = Keypad green LED††† |

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

*** 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.

Zone Type Definitions

<p>Type 00 Zone Not Used</p>	<p>Use this zone type if the zone is not used.</p>
<p>Type 01 Entry/Exit Burglary #1</p>	<ul style="list-style-type: none"> • Assign to zones that are used for primary entry and exit. • Provides entry delay if the control is armed in the Away or Stay modes. • No entry delay is provided when the panel is armed in the Instant mode. • Entry delay #1 is programmable. • Exit delay begins whenever the control is armed, regardless of the arming mode selected, and is independently programmable.
<p>Type 02 Entry/Exit Burglary #2</p>	<ul style="list-style-type: none"> • Assign to zones that are used for entry and exit and require more time than the primary entry/exit point. • Provides a secondary entry delay, in same manner as entry delay #1. • Entry delay #2 is programmable. • Exit delay is same as described for Type 01.
<p>Type 03 Perimeter Burglary</p>	<ul style="list-style-type: none"> • Assign to all sensors or contacts on exterior doors and windows. • Provides an instant alarm if the zone is faulted when the panel is armed in the Away, Stay, Instant, or Maximum modes.
<p>Type 04 Interior Follower</p>	<ul style="list-style-type: none"> • Assign to a zone covering an area such as a foyer, lobby, or hallway through which one must pass upon entry (to and from the keypad). • Provides a delayed alarm (using the programmed entry/exit time) if the entry/exit zone is faulted first. Otherwise this zone type gives an instant alarm. • Active when the panel is armed in the Away mode. • Bypassed automatically when the panel is armed in the Stay or Instant modes.
<p>Type 05 Trouble by Day/ Alarm by Night</p>	<ul style="list-style-type: none"> • Assign to a zone that contains a foil-protected door or window (such as in a store), or to a zone covering a sensitive area such as a stock room, drug supply room, etc. • Can also be used on a sensor or contact in an area where immediate notification of an entry is desired. • Provides an instant alarm if faulted when armed in the Away, Stay, Instant or Maximum (night) modes. • During the disarmed state (day), the system will provide a latched trouble sounding from the keypad (and a central station report, if desired).
<p>Type 06 24-hour Silent Alarm</p>	<ul style="list-style-type: none"> • Usually assigned to a zone containing an emergency button. • Sends a report to the central station but provides no keypad display or sounding.
<p>Type 07 24-hour Audible Alarm</p>	<ul style="list-style-type: none"> • Assign to a zone that has an emergency button. • Sends a report to the central station, and provides an alarm sound at the keypad, and an audible external alarm.
<p>Type 08 24-hour Auxiliary Alarm</p>	<ul style="list-style-type: none"> • Assign to a zone containing an emergency button, or to a zone containing monitoring devices such as water or temperature sensors. • Sends a report to the central station and provides an alarm sound at the keypad. (No bell output is provided.)
<p>Type 09 Fire</p>	<ul style="list-style-type: none"> • Provides a fire alarm on short circuit and a trouble condition on open circuit. A fire alarm produces a pulsing bell output. • This zone type is always active and cannot be bypassed. Note: Hardwired zone 1 should be used with 2-wire smoke detectors; zones 2-8 can be used with 4-wire smoke detectors; any wireless zone can be used as a fire zone.
<p>Type 10 Interior w/Delay</p>	<ul style="list-style-type: none"> • Provides entry delay (using the programmed entry time), if tripped when the panel is armed in the Away mode. • Entry Delay begins whenever sensors in this zone are violated, regardless of whether or not an entry/exit delay zone was tripped first. • Bypassed when the panel is armed in the Stay or Instant modes.
<p>Type 12 Monitor Zone</p>	<ul style="list-style-type: none"> • Works as a dynamic monitor of a zone fault/trouble. In the case of a short/open, the message, "ALARM-24 Hr. Non-Burg. -#XXX" (where XXX is the zone number) will be sent to the Central Station. The system keypad will display a "check" message indicating the appropriate zone (but keypad beeping does not occur). Upon restoral of the zone, the message, "RESTORE-24 Hr. Non-Burg. -#XXX" will be sent to the Central Station. • The "check" message will automatically disappear from the keypad dynamically when the zone restores; a user code + off sequence is not needed to reset the zone. • Faults of this zone type are independent of the system, and can exist at the time of arming without interference. • Since this is a "trouble" zone type, do not use this zone type with relays set to activate upon "alarm."
<p>Type 14 Carbon Monoxide</p>	<ul style="list-style-type: none"> • Assigned to any zone with a carbon monoxide detector. • The bell output will pulse when this zone type is alarmed. • Always active and cannot be bypassed.
<p>Type 16 Fire w/Verification</p>	<ul style="list-style-type: none"> • Provides a fire alarm when zone is shorted, but only after alarm verified. • System verifies alarm by resetting zones for 12 seconds after short is detected. A subsequent short circuit within 90 seconds triggers fire alarm. • Provides a trouble response when zone is open.
<p>Type 20 Arm-Stay</p>	<ul style="list-style-type: none"> • Arms the system in Stay mode when the zone is activated. • Pushbutton units send the user number to the central station when arming or disarming. • User code for button must be assigned.

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
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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, and words other than these are selected for Alpha descriptors, the module will not provide announcement 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	

5800 Series Transmitter Input Loop Identification

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

WIRELESS INPUT TYPES

"RF" (Supervised RF) Type send periodic check-in signals, as well as fault, restore and low battery signals. The transmitter must remain within the receiver's range.

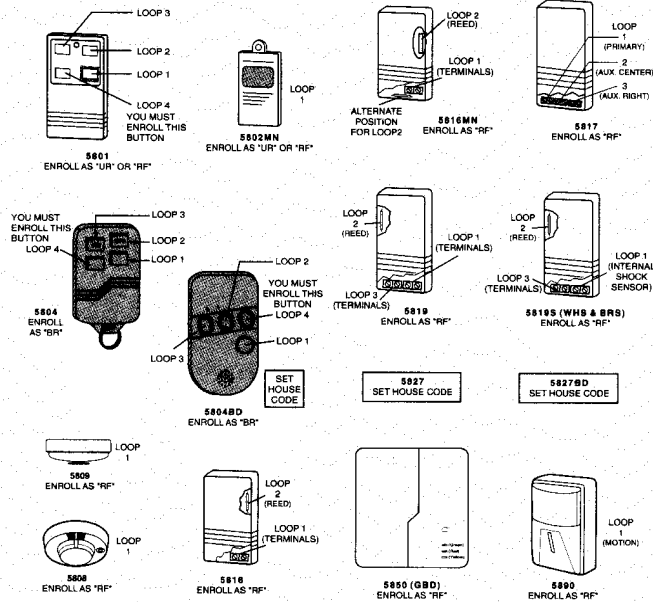
"UR" (Unsupervised RF) Type send all the signals that the "RF" Type does, but the control does not supervise the check-in signals. The transmitter may, therefore, be carried off-premises.

"BR" (Unsupervised Button RF) Type only send fault signals. They do not send restore or check-in signals. They will indicate a low battery condition when tested or activated normally. They can be carried off-premises.

Note: For information on any transmitter not shown above, 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.



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

Table of Device Addresses

This Device	Uses Address	Reports as††	Enabled By...
RF Receiver	00	100	*56 zone programming: input device type entry
Long Range Radio	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): module 1 (for zones 09 - 16) module 2 (for zones 17 - 24)	07 08	107 108	*56 zone programming: input device type entry, then: automatic if zone no. 9-16 entered as AW type or relay assigned automatic if zone no. 17-24 entered as AW type or relay assigned
Relay Modules (4204): module 1 module 2	12 13	112 113	*79 output device programming: device address prompt: entered at device address prompt entered at device address prompt
Keypads: keypad 1 keypad 2 keypad 3 keypad 4 keypad 5 keypad 6 keypad 7 keypad 8	16 17 18 19 20 21 22 23	n/a n/a n/a n/a n/a n/a n/a n/a	data field programming as listed below: always enabled, all sounds enabled. data field *190 data field *191 data field *192 data field *193 data field *194 data field *195 data field *196
5800TM Module	28	n/a	automatic

†† 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.

