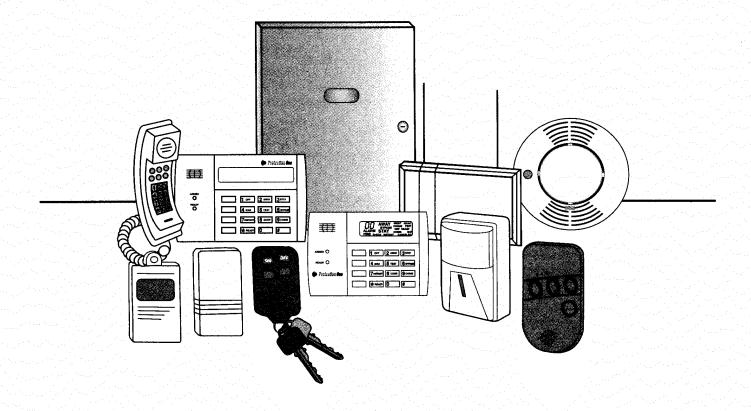
# **Programming Guide**



This control is a certified SIA-compliant control that meets SIA specifications for False Alarm Reduction.



This control supports upload/download programming capability via the Internet or Private local area network (Intranet). Refer to the separate Installation Supplement for details.

### 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

Task	Command/Explanation				
Go to a Data Field	Press [*] + [Field Number], followed by the required entry.				
Entering Data	When the desired field number appears, simply make the required entry. When the last entry for a field is entered, the keypad beeps three times and automatically displays the next data field in sequence. If the number of digits that you need to enter in a data field is less than the maximum digits available (for example,				
	the phone number fields *41, *42), enter the desired data, then press [*] to end the entry. The next data field number is displayed.				
Review a Data Field	Press [#] + [Field Number]. Data is displayed for that field number. No changes can be made in this mode.				
Deleting an Entry	Press [*] + [Field Number] + [*]. (Applies only to fields *40 thru *46, *94, and pager fields)				
Initialize Download ID	Press *96. Initializes download ID and subscriber account number.  NOTE: This control does not support site-initiated downloading via the 7845i-ent.				
Reset Factory Defaults	Press *97. Sets all data fields to original factory default values.				
Zone Programming	Press *56. Zone characteristics, report codes, alpha descriptors, and serial numbers for RF transmitters.				
Function Key Programming	Press *57. Unlabeled keypad keys (known as ABCD keys) for special functions				
Zone Programming (Expert Mode)	Press *58. Same options as *56 mode, but with fewer prompts. Intended for those familiar with this type of programming, otherwise *56 mode is recommended.				
Output Device Mapping	Press *79. Assign module addresses and map individual relays/powerline carrier devices				
Output Programming	Press *80. 4229 or 4204 Relay modules, Powerline Carrier devices, or on-board triggers				
Zone List Programming	Press *81. Zone Lists for relay/powerline carrier activation, chime zones, pager zones, etc.				
Alpha Programming	g Press *82. Zone alpha descriptors				
Exit Program Mode with	Press *98. Exits programming mode and prevents re-entry by: Installer Code + 8 + 0 + 0.				
installer code lockout	To reenter programming mode, the system must be powered down, then powered up. Then use method A above. See field *88 for other *98 Program mode lockout options.				
Exit Program Mode	Press *99. Exits programming mode and allows re-entry by: Installer Code + 8 + 0 + 0 or method A 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**, **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].

E4 or E8 = more zones than the expansion units can handle have been programmed. Display clears after you correct the programming.

### **TABLE OF DEVICE ADDRESSES**

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

<sup>†</sup> 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.

<sup>††</sup> The 320P1 supports upload/download via the Internet (IP) when used with the 7845i-ent long range radio. See note in field \*29 Long Range Radio output.

### PROGRAMMING FORM

SIA Installations: The 320P1 is a certified SIA-compliant control that meets SIA specifications for False Alarm Reduction. Fields marked with heavy borders are related

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

to SIA requirements and have entries or operation different than non SIA-compliant controls. When using the common Installation and Setup Guide, refer to the corresponding notes in these fields. \*36 Installer Code [4112] 1 1 1 **Entry Delay #2** [60,60] . See \*35 Entry Delay 1 for entries. Part. 2 Part. 1 4 digits, 0-9 **Quick Arm Enable** [1,1] \*37 N/A Audible Exit Warning 0 = no; 1 = yesFeature always enabled; field removed in this control. Part. 1 Part.2 **RF Jam Option** [0] \*38 Confirmation Of Arming Ding [0,0] 0 = no RF Jam detection; 1 = send RF Jam report UL: must be 1 if wireless devices are used 0 = no; 1 = yes (wired keypads and RF) Part. 1 Part. 2 2 = yes, RF only **Quick (Forced) Bypass** [0,0] UL: must be "1" for UL Commercial Burglar Alarm inst. 0 = no quick bypass UL: must be "0" Part. 1 Part. 2 \*39 **Power Up In Previous State** 1 = allow quick bypass (code + [6] + [#]) 0 = no, always power up disarmed; 1 = yes, power up in previous state RF House ID Code [00,00,00] 1 1 Ī UL: must be "1" SIA Guidelines: must be "1" 00 = disable all wireless keypad usage Part. 1 Part. 2 Common 01-31 = using 5827, 5827BD or 5804BD keypad DIALER PROGRAMMING (\*40 – \*42) Do not fill unused spaces. Enter 0-9; #+11 for '\*'; #+12 for '#'; #+13 for a 2-**Chime By Zone** [0] second pause. If fewer than the maximum digits entered, exit the field by pressing [\*]. The next data field number is displayed. 0 = no; 1 = yes (list chime zones on zone list 3 using \*81 Menu mode) Powerline Carrier Device (X-10) \*40 **PABX Access Code or House Code Call Waiting Disable** 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; <u>#13 = N;</u> #14 = O; #15 = P Enter up to 6 digits. To clear entries, press \*40\*. If call waiting is UL: not for fire or UL installations used, enter call waiting disable digits "\* (#+11) 70" plus "# + 13" (pause) and also set Call Waiting Disable option in field \*91. 1. The call waiting disable feature cannot be used on a PABX line. **Access Code For Phone Module** NOTES: [00] 2. Using Call Waiting Disable on a non-call waiting line will (Partition 1 only) prevent successful communication to the central station. 1st digit: enter 1–9; 2nd digit: enter # + 11 for "\*", or # + 12 for "#" UL: must be "00" for UL Commercial Burg. installations \*41 Primary Phone No. Long Range Radio Output [1] L 1 1 0 = disable: 1 = enable Second Phone No. 7845i-ent NOTE: Connecting the 7845i-ent module automatically provides upload/download via IP capability. Enabling this field provides 7845i-ent module supervision and IP alarm reporting. Enter up to 20 digits. To clear entries, press \*41\* or \*42\* respectively. Single Alarm Sounding Per Zone ∘31 NOTE: For fields \*43 thru \*46: Enter 0-9; #+11 for B; #+12 for C; #+13 for D; #+14 for E; #+15 for F. Enter [\*] as the fourth digit if a 3-digit account number 0 = "alarm sounding per zone" will be the same as the "number of (for 3+1 dialer reporting format) is used. Enter 0 as the first digit of a 4-digit reports in armed period" set in field \*93 (1 if one report, 2 if 2 account number for Nos. 0000-0999. Exit field by pressing \* if only 3 digits are reports, unlimited for zones in zone list 7); used. E.g., For Acct. B234, enter: #+11 + 2 + 3 + 4 1 = one alarm sounding per zone \*43I Partition 1 Primary Acct. No. \*32 **Fire Alarm Sounder Timeout** [1] | | | / | | | | [FFFFFFFFF] Enter 4 or 10 digits, as 0 = sound stops at timeout; 1 = no timeout UL: must be "1" for fire install. selected in \*48 Report Format. See box above. To clear, press \*43\*. \*33 Alarm Sounder (Bell) Timeout \*44 [1] L Part. 1 Secondary Acct. No. (see field \*43 for entries) 0 = none; 1 = 4 min; 2 = 8 min; 3 = 12 min; 4 = 16 min; | | | | / | | | | [FFFFFFFFF]. To clear, press \*44\*. UL: For residential fire alarm installation, must be set for a minimum of 4 min (option 1); for UL Commercial Burglary installations, must \*45 Partition 2 Primary Acct. No. (see field \*43 for entries) be minimum 16 min (option 4) | | | / | | | | | [FFFFFFFFF] To clear, press \*45\*. \*34 Exit Delay [60,60] \*46 Partition 2 Secondary Acct. No. (see field \*43 for entries) 45 - 96 = 45 - 96 secs; 97 = 120 secs Part. 1 Part 2 | | | / | | | | [FFFFFFFFF] To clear, press \*46\*. NOTE: Entries less than 45 will result in a 45-second delay UL: see inst. instr. for requirements. | Common zones use part. 1 delay. \*47 **Phone System Select** If Cent. Sta. is not on a WATS line: 0=Pulse Dial; 1=Tone Dial; \*35 if Cent. Sta. is on a WATS line: 2 = Pulse Dial; 3 = Tone Dial Entry Delay #1 [30,30] Common zones use same delay as partition 1. \*48 Part. 2 Report Format Part. 1 30 - 96 = 30 - 96 seconds; 97 = 120 secs; 98 = 180 secs; 99 = 240 secs 0 = 3+1, 4+1 ADEMCO L/S STANDARD primary secondary NOTE: Entries less than 30 will result in a 30-second delay. 1 = 3+1, 4+1 RADIONICS STANDARD 2 = 4+2 ADEMCO L/S STANDARD For UL Residential Burglary Alarm installations, must be set for a 3 = 4+2 RADIONICS STANDARD maximum of 30 seconds; entry delay plus dial delay should not exceed 5 = 10-digit ADEMCO CONTACT ID® REPORTING 1 min. For UL Commercial Burglar Alarm, total entry delay may not 6 = 4+2 ADEMCO EXPRESS exceed 45 seconds. 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]	*66	Arm Away/Stay Rpt Code
	0 = Standard/backup reporting only (all to primary)		[0,0,0,0,0,0]
	Primary Phone No. 2nd Phone No.  1 = Alarms, Restore, Cancel Others		Away Stay Away Stay
	2 = All except Open/Close, Test 3 = Alarms, Restore, Cancel Open/Close, Test All	*67	Part. 1 Part. 2 Common  RF Trans. Low Bat Report Code [11]
	4 = All except Open/Close, Test All 5 = All All	.07	UL: must be enabled if wireless devices are used
		*68	
*50	Burglary Dialer Delay [2,0]	*00	Caricel Report Code SIA NOTE: Report enabled.
	Delay Time: 1 = 15 seconds; 2 = 30 seconds; 3 = 45 seconds  Delay Disable:	*69	• •
	0 = use delay set in entry 1 1 = dial delay disabled for zones listed in zone list 6 (use zone list 6		SIA NOTE: Always enabled. Sends both recent closing and zone alarm reports if fault occurs within 2 min. after exit time expires. Also see field *59.
	to enter those zones that require dial delay to be disabled; these zones ignore the setting in entry 1)	RES	TORE REPORT CODES (*70 – *76)
	UL: Dial delay plus entry delay must not exceed one minute; use zone	*70	· · · · · · · · · · · · · · · · · · ·
<u> </u>	list 6 to disable dial delay from appropriate zones, if necessary.		NOTE: Alarm restore signals indicate that respective alarm zone(s) are
*53	SESCOA/Radionics Select [0]  0 = Radionics (0-9, B-F); enter "0" for all non-SESCOA formats 1 = SESCOA (0-9 only reporting)		no longer faulted. Alarm restore reports are sent to the central station at bell timeout (field *33), if the zone(s) in alarm are actually restored to a non-faulted state at that time. Otherwise, alarm restore report(s) for respective alarm zones are sent when the system is disarmed.
*54	Dynamic Signaling Delay  Select delay from 0 to 225 secs, in 15-sec increments.  0 = no delay (both signals sent); 1 = 15 secs; 2 = 30 secs, etc.		If Reports Per Armed Period Per Zone (*93) is also programmed, the system will report alarm and restore codes as described above until the "Reports Per Armed Period" count is reached. Disarming and rearming will reset the "Reports Per Armed Period" count.
*55	UL: Grade AA must be "0;" Grade A must be "15" max  Dynamic Signaling Priority [0]	*71	Trouble Restore Rpt Code [00]
	0 = Primary Dialer first; 1 = Long Range Radio first.	*72	Bypass Restore Rpt Code [00]
· .	For UL Commercial Burglary installations that use a DACT and LRR, this field must be "0".	*73	AC Restore Rpt Code [00]
These	*57, *58 Menu Modes are Menu Mode commands, not data fields, for Zone Programming,	*74	Low Bat Restore Rpt Code [10]
	on Key Programming, and Expert Mode Zone Programming respectively.  ge 2 and respective sections later in this document.	*75	RF Trans. Lo Bat Rst Rpt Code [00]
TO PR	OGRAM SYSTEM STATUS, & RESTORE REPORT CODES (*59 thru		UL: must be enabled if wireless devices are used
	0 thru *76, and *89): 1 or 4+1 Standard Format: Enter a code in the first box: 1-9, #+10 for	*76	Test Restore Rpt Code [00]
0, #+1	I for B, #+12 for C, #+13 for D, #+14 for E, #+15 for F. (not #+10) in the first box will disable a report. A 0 (not #+10) in the	OUT	TPUT AND SYSTEM SETUP (*77 – *93)
second	box will result in automatic advance to the next field.	*77	
	panded or 4+2 Format: Enter codes in both boxes (1st and 2nd digits), 0, or B-F, as described above.		Start/End Month
A 0	(not #+10) in the second box will eliminate the expanded message for port. A 0 (not #+10) in both boxes will disable the report.		0 = Disabled
For A	iemco Contact ID® Reporting: Enter any digit (other than 0) in the first		1-12 = January-September (1 = Jan, 2 = Feb, etc) #+10 = October; #+11 = November; #+12 = December
A 0	enable zone to report (entries in the <i>second</i> boxes are ignored).  (not #+10) in the <i>first</i> box disables the report.	*78	Daylight Savings Time [1][5]
, L	ee installation instructions for requirements		Start/End Weekend
<b>F</b>	TEM STATUS REPORT CODES (*59-* 68)		0 = disabled; 1 = first; 2 = second; 3 = third; 4 = fourth; 5 = last; 6 = next to last; 7 = third to last
*59	Exit Error Alarm Report Code [1]	*79	
	SIA NOTE: Always enabled. Sends both exit error <b>and</b> zone alarm reports in the event of an exit error condition. Also see field *69.	Outpu	e are Menu Mode commands, not data fields, for Output Device Mapping, ut Programming, Zone List Programming, and Alpha Programming ectively. See page 2 and their respective sections in the Installation and
*60	Trouble Report Code [10]	Setur	p Guide for procedures.
*61	Bypass Report Code [00]	*84	Auto Stay Arm  0 = no; 1 = partition 1 only; 2 = partition 2 only; 3 = both partitions
*62	AC Loss Report Code [00]	*85	
*63	Low Bat Report Code [10]	·	This option not for use in UL installations. (assign cross zones on zone list 4, using *81 Menu mode)
*64	Test Report Code [10]		0 = 15 seconds 6 = 2-1/2 min #+12 = 8 min 1 = 30 seconds 7 = 3 min #+13 = 10 min
	Use Scheduling mode to set periodic test reports, or use the following key commands:		2 = 45 seconds 8 = 4 min #+14 = 12 min 3 = 60 seconds 9 = 5 min #+15 = 15 min
	installer code +[#] + [0] + 0 = test report sent every 24 hours		4 = 90 seconds #+10 = 6 min 5 = 2 minutes #+11 = 7 min
	installer code +[#] + [0] + 1 = test report sent once per week installer code +[#] + [0] + 2 = test report sent every 28 day		NOTE: Cross zoning takes effect only after Exit Delay expires.
	Each mode sets schedule 32 to the stated repeat option; first test report sent 12 hours after command.	*86	Cancel Verify Keypad Display [1]
*65	Open Report Code [0,0,0] Part. 1 Part. 2 Common	1	0 = no "alarm canceled" display 1 = display "Alarm Canceled" when system is disarmed after an alarm
	rail Pail, 2 Common		has occurred. (To clear the "ALARM CANCELED" display, the

user must enter the security code + OFF again.)

*87	Misc. Fault Delay Time [0]	*92	Phone Line Monitor Enable [0,0]
	(used with Configurable Zone Types "digit 6")  0 = 15 seconds 6 = 2-1/2 min #+12 = 8 min  1 = 30 seconds 7 = 3 min #+13 = 10 min  2 = 45 seconds 8 = 4 min #+14 = 12 min  3 = 60 seconds 9 = 5 min #+15 = 15 min  4 = 90 seconds #+10 = 6 min  5 = 2 minutes #+11 = 7 min  UL: may only be used on non-burglar alarm/ non-fire alarm zones		UL: see Inst. Instructions for requirements  1 2  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 display keypad trouble sound  2 = Semplage ## plus programmed output device STARTS. If either
	when used in fire and/or UL burglar alarm installation		2 = Same as "1", plus programmed output device STARTS. If either partition is armed, external sounder activates also.
*88	Program Mode Lockout Options [0]  0 = standard *98 installer code lockout (reentry only by [*] + [#] within 50 seconds after power up)  1 = lockout [*] + [#] reentry after *98 exit (reenter via installer code or downloader only)  2 = not used 3 = lockout local programming after *98 exit (reenter by downloader only)  Event Log Full Report Code [00]	*93	Reports In Armed Period [1,0]  Per Zone (Swinger Suppression) Restrict Unlimited Restrict Report Pairs: Reports 1 = 1 report pair; 2 = 2 report pairs Unlimited Reports Enable: 0 = restrict reports to the setting in entry 1 1 = unlimited reports for zones listed in zone list 7; (use zone list 7 to enter those zones that require unlimited reporting; these zones
	See box above field *59 for report code entries.		ignore the setting in entry 1)
*90	Event Log Enables  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	*94	VNLOAD INFORMATION (*94, *95)  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
	"Open/Close", enter 9 (1 + 8); To select all, enter #15.		field by pressing *. To clear entries from field, press *94*.  UL: Up/downloading via phoneline may be performed only if a techniciar
*91	Option Selection [8, 0]		is at the site. Up/downloading via the Internet has not been evaluated by UL.
	Options: 0 = None Options 4 = AAV UL: must use ADEMCO UVCM module 8 = Exit Delay Restart/Reset UL: must be disabled #+12 = AAV and Exit Delay Restart/Reset SIA Guidelines: Exit Delay should be enabled.  Call Waiting Disable: 0 = call waiting not used 1 = call waiting disable digits (*70) entered in field *40; (when selected, the system dials the entry in field *40 only on alternate dial attempts; this allows proper dialing in the event call waiting	*95 *96	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).  *97 Initialize/Reset Defaults  This is a command, not a data field. See page 2.
	service is later canceled by the user).	*98	
PAG	GER OPTIONS (*160- *172)		[0,0,0]
*16	Pager 1 Phone No.		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).
	Enter up to 20 digits. 0-9; #+11 = '*'; #+12 = '#'; #+13 = 2-sec pause	*16	6 Pager 3 Phone No.
*16	Pager 1 Characters		
			Enter up to 20 digits. 0–9; #+11 = '*'; #+12 = '#'; #+13 = 2-sec pause
	Enter the optional prefix characters, up to 16 digits.  0-9; #+11 = '#'; #+12 = '#'; #+13 = 2-second pause.	*16	7 Pager 3 Characters
*16	Pager 1 Report Options	· <u>                                      </u>	Enter the optional prefix characters, up to 16 digits.
	[0,0,0] Part. 1 Part. 2 common	<sub>*</sub> 16	0-9; #+11 = '*'; #+12 = '#'; #+13 = 2-second pause.  8 Pager 3 Report Options
	For each partition, select from the following options:  0 = no reports sent  1 = Opens/closes all users	* 10	
	4 = All alarms and troubles 5 = All alarms / troubles, and opens/closes for all users 12 = Alarms / troubles for zones entered in zone list 9		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).
	13 = Alarms / troubles for zones entered in zone list 9  and opens/closes for all users	*16	9 Pager 4 Phone No.
*16	Pager 2 Phone No.		Enter up to 20 digits. 0–9; #+11 = '#'; #+12 = '#'; #+13 = 2-sec pause
		<b>417</b>	
2-10	Enter up to 20 digits. 0–9; #+11 = 'Q'; #+12 = '#'; #+13 = 2-sec pause	*17	Pager 4 Characters
*16	Pager 2 Characters	··· <b>L</b>	Enter the optional prefix characters, up to 16 digits.
<u> </u>	Enter the optional prefix characters, up to 16 digits.		0-9; #+11 = '*; #+12 = '#'; #+13 = 2-second pause.
*16	0-9; #+11 = '*'; #+12 = '#'; #+13 = 2-second pause.  Pager 2 Report Options	*17	Pager 4 Report Options  [0,0,0]
			Part. 1 Part. 2 common
		5 –	

See field *162 for reporting options. Select for each partition (use zone	KEYPAD OPTIONS *189-*196
*172 Pager Delay Option For Alarms [3]	NOTES: 1. Options for keypad address 16 are set by the factory and cannot be changed.)
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)	<ol><li>Each keypad must be assigned a unique address. Keypads programmed with the same address will give unpredictable results.</li></ol>
*174 Clean Me Reporting Options [0]	*189 AUI Device Enables [1, 1, 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.	(for Touch Screen Style Keypads) AUI 1 AUI 2 AUI 3 AUI 4 System supports up to four touch screen style keypads (e.g., Symphony Advanced User Interface, and 6270 Touch Screen Keypad). NOTE: Use of touch screen style keypads does not affect the number of
*177 Device Duration 1, 2 [0] [0] [ ]	standard keypads supported.  AUI Compatibility Note: To ensure proper AUI device operation,
(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	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.
3 = 60 seconds 9 = 5 min #+14 = 12 min 4 = 90 seconds #+10 = 6 min #+15 = 15 min	Enter each touch screen keypad's home partition 0 = disable; 1 = partition 1; 2 = partition 2; 3 = partition 3 (common)
5 = 2 minutes	Device Addresses:
*181 50/60 Hertz AC Operation [0]	Touch Screen (AUI) device 1: Must set AUI device address to 1  Touch Screen (AUI) device 2: Must set AUI device address to 2
0 = 60 Hz; 1 = 50 Hz	Touch Screen (AUI) device 3: Must set AUI device address to 5 Touch Screen (AUI) device 4: Must set AUI device address to 6
CONFIGURABLE ZONE TYPE OPTIONS (*182-*185)	
(see Configurable Zone Type Worksheet on page 7)	*190 Keypad 2 Device Address 17 [0] [0] [
*182 Configurable Zone Type 90	Partition: 0 = keypad disabled; Partition Sound
	1-3 = part. no. (3 = common)  Sound: 0 = no suppression
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	1 = suppress arm/disarm and E/E beeps 2 = Suppress chime beeps only 3 = suppress arm/disarm, E/E, and chime beeps
selected options (0-9, #+10=10, #+11=11, #+12=12, #+13=13, #+14=14, #+15=15).	*191 Keypad 3 Device Address 18 [0] [0] [ ]
UL: Do not configure zones as a fire alarm or UL burglar alarm zone.	See field *190 for entries. Partition Sound
*183 Zone Type 90 Report Codes	*192 Keypad 4 Device Address 19 [0] [0] [
IMPORTANT: Use existing Contact ID® codes, if appropriate, or define unique codes in CID code range 750-789 (make sure the code	See field *190 for entries.
does not conflict with existing, predefined Contact ID report codes; see the System Communication section of the inst. Instr. for a list of	
standard Contact ID codes).	*193 Keypad 5 Device Address 20 [0] [0] [ ]
90 ALARM ID: XXX TROUBLE ID: XXX	See field *190 for entries. Partition Sound
Enter the desired 3-digit Contact ID® report codes for alarms and	*194 Keypad 6 Device Address 21 [0] [0] [
troubles occurring on zones assigned to this zone type. Enter the codes sequentially (all 6 digits). When entering digits, [#] moves cursor	See field *190 for entries. Partition Sound
back, [*] moves forward. Press [*] when done to continue.	*195 Keypad 7 Device Address 22 [0] [0] [
NOTE: Zone alarm report code (prompt in *56 Zone Programming) and Trouble report code (*60) and relevant restore codes (*70, *71) must be enabled in order for the Configurable Zone Type codes to be	See field *190 for entries. Partition Sound
reported.	*196 Keypad 8 Device Address 23 [0] [0] [
*184 Configurable Zone Type 91	See field *190 for entries. Partition Sound
1 2 3 4 5 6 7 8 9 10	*197 Exit Time Display Interval [0]
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).	0 = no display; 1-5 = seconds between display refresh NOTE: If enabled and using only 2-digit fixed-word keypads (e.g., 6150RF), do not set exit delay time greater than 96 seconds. See Inst. Instr. for explanation.
UL: Do not configure zones as a fire alarm or UL burglar alarm zone.	TOUCH SCREEN DEVICE NOTE: If using more than one touch
*185 Zone Type 91 Report Codes  IMPORTANT: Use existing Contact ID® codes, if appropriate, or define unique codes in CID code range 750-789 (make sure the code	screen device (e.g., 6270, Symphony) with the system, leave field *197 Exit Time Display Interval set to the default value "0." The 6270 automatically displays remaining exit time in one-second increments.
does not conflict with existing, predefined Contact ID report codes; see the System Communication section of the inst. Instr. for a list of	*198 Display Partition Number [0]
standard Contact ID codes).	(for Alpha Display Keypads)
91 ALARM ID: XXX	0 = no; 1 = yes (partition no. appears on Alpha Display)
TROUBLE ID: XXX	*199 ECP Fail Display [0]
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.	0 = 3-digit display ("1" + device address) 1 = 2-digit fixed-display as "91"

NOTE: Zone alarm report code (prompt in \*56 Zone Programming) and Trouble report code (\*60) and relevant restore codes (\*70, \*71) must be enabled in order for the Configurable Zone Type codes to be

reported.

**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 can only be programmed using the downloader software.

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

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

ENTRY 3 (See n	ote 5 for RF zones)	ENTRY 4 (See note 5 for RF zones)			
Response when	armed STAY and	d zone is:	Byp. when	Byp. when	
Intact EOL		Shorted	disarmed	armed	
RF zone normal	RF zone N/A	RF zn off-normal			
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			
		see note 6			
Entry 3 = EOL + Open		Entry 4 = Short + byp. disarmed + byp. armed			

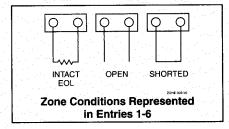
	ENTRY 5 (See note 5 for RF zones) ENTRY 6 (See note 5 for RF zones)					
	Response when	armed AWAY ar	id zone is:	Dial Delay	Fault Delay	
1	Intact EOL	Open	Shorted	(see field *50)	(see field *87)	
ı	RF zone normal	RF zone N/A	RF zn off-normal			
.	0 = normal	0 = normal	0 = normal	0 = no	0 = no	
	1 = 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	
٠			see note 6			
	Entry 5 = EOL + Open		Entry 6 = Short + dial delay + fault delay			

ENTRY 7		ENTRY 8		45.7
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 4 = power reset after fault	0 = no 1 = delay 1 2 = delay 2	0 = no 4 = use exit delay	0 = no 8 = yes
1 = don't show	(by code + OFF) 12 = verification (see zone type 16)			see note 2
disarmed) 3 = never show any alarms, trbles, faults				
Entry 7 = fault dis reset/verification	splay + power	Entry 8 = entry de interior zone type		ay 2 + exit delay +

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	4 = yes	8 = yes	1 = periodic	4 = yes
keypad			beep	
2 = steady bell	see fields *32,	see zone type	2 = trouble	
and keypad	*33	09; see note 4	beeps	
3 = pulsing bell				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
and keypad				
Entry 9 = alarm s	ounds + bell timed	out + fire zone	Entry 10 = troub	e sounds + chime

Entries for Fields *182 and *184					
Entry	Zone Type 90 (field *182)	Zone Type 91 (field *184)			
1		age growth			
2	tage and the	100			
3					
4					
5					
6					
7					
8	All the second of the second o				
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.
- 4. 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.
- a. Zone-Doubling/Double-Balanced: A short on either zone of a zone-doubled pair or on a double-balanced zone causes a tamper condition.
  - b. For double-balanced zones, this entry must be "0."
  - For zone-doubled zones, **both** zones of the doubled pair must be assigned the same response to a short.

# \*56 Zone Programming Menu Mode

(press \*56 while in Program mode)

The Zone Programming Worksheet is on page 13.

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

90-93 = Configurable

### 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

ZORE FIFE		
00 = Not used	07 = 24-Hr Audible	20 = Arm-STAY*
01 = Entry/exit #1	08 = 24-Hr Aux	21 = Arm-AWAY*
	09 = Fire	22 = Disarm*
	10 = Interior w/Delay	23 = No Alarm
Resp		
04 = Interior Follower	12 = Monitor Zone	24 = Silent Burglary
05 = Trouble Day/Alarm Night	14 = Carbon Monoxide	77 = Keyswitch
06 = 24-Hr Silent	16 = Fire w/Verify	81 = AAV Monitor
		Zone

### **PARTITION**

1, 2, or 3-common

\*5800 button-type transmitters only

### REPORT CODE

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

To disable the report code for this zone, enter 00.

### HARDWIRE TYPE

Appears only for zones 02-08. Zone 1 is automatically set for EOL operation. Enter the desired hardwire type:

0 = EQL; 1 = NC; 2 = NO; 3 = zone doubling (ZD); 4 = double-balanced (DB)

#### RESPONSE TIME

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

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

### **INPUT TYPE**

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

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

### INPUT S/N

Enroll the transmitter's serial number and loop number as follows:

1. a. Transmit two open/close sequences (for button-type transmitters, press and release the button twice, waiting about 4 seconds before pressing the button the second time).

OR

b. Manually enter the 7-digit serial number printed on the label of the transmitter. Press the [\*] key to move to the "L" position, then enter the loop number.

Use the [A] (Advance) and [B] (Back) keys to move the cursor forward and back within the screen. Pressing the [C] (Copy) key will insert the previously enrolled serial number, if desired (used when programming a transmitter with several input loops)

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

2. Press [\*] to continue. The system now checks for a duplicate serial/loop

If no duplicate is found, the display shows the serial number and loop

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

(press \*58 while in Data Programming mode)

### SET TO CONFIRM?

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

### **SUMMARY SCREEN**

Zn ZTP RC HW: RT 01 09 1 10 EL

(Typical for Zone 1, initial summary screen)

Zn ZT P RC IN: L 00 1 10 RF: -

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

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

### Special Function Keys:

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

Sequentially enter Zone Type (ZT), Partition (P), and Report Code (RC; 0-9 only; use \*56 mode to enter hex codes), then Hardwire Type (HW) and Response Time (RT) for basic wired zones 1-8 or Input Device Type (IN) for zones 9 and higher (Loop Number [L] is programmed at the INPUT S/N

See \*56 Zone Programming Menu Mode section described earlier for entry

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

To exit the Template screen, press [#]. The system returns to the \*58 Menu mode Summary Screen.

### **TEMPLATE SUMMARY**

L	01	02	03	04	
Т	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.

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

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

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 kev.

### **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	t in the second of the second	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	Little Control of the Atlanta	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
1	2	Disarm	22	100	2	Arm Stay	20
	3	Arm Away	21		3	Arm Away	21
	4	Arm Stay	20		4	Disarm	22

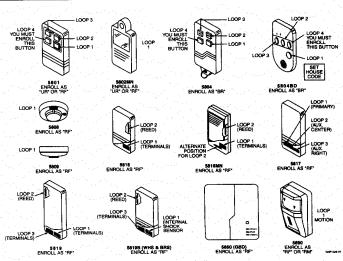
### 5800 Series Transmitter Input Loop Identification

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

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

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

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



## \*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

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:

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)

### "A" FUNC (continued)

Single-button paging (sends a 999-9999 message to pager) 01 =

Display time 02 =

Arm AWAY (reports as User 00 if closing reports are enabled) 03 =

Arm STAY (reports as User 00 if closing reports are enabled) 04 =Arm NIGHT-STAY (reports as User 00 if closing reports enabled)

05 =Step Arming (arms STAY, then NIGHT-STAY if enabled, then

06 =

Output Device Command (for device programmed as system operation type 66 in \*80 Menu Mode)

Communication Test (sends Contact ID code 601)

09 -12= Macro Keys 1-4 respectively (defined by [#] [6] [6] command)

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 = relays/X-10; 17-18 = on-board triggers

[\*] to continue

### OUT NORM LOW (appears only for triggers 17/18)

0 = no (standard default); sets the output level normally high

- 1 = yes; sets the output normally low (can be used for resetting 4-wire smoke detectors)
- [\*] to return to Output Number prompt

#### **OUTPUT TYPE**

0 = delete; 1 = relay (skip to "B" prompt); 2 = Powerline Carrier device (skip to "A" prompt)

[\*] to continue.

### "A" (if X-10 was selected)

### UNIT No.

Enter the unit code (01-16, set at the device).

[\*] to return to the Output Number prompt continue

"B" (if relay was selected)

### **MODULE ADDR**

Enter the predefined address for this module (07-15; see Table of Device Addresses on page 2).

Make sure the module's DIP switches are set to the selected address. [\*] to continue

### REL POSITION (actual relay number on module)

For 4204 modules, relay numbers are 1-4. For 4229 modules, relay numbers are 1-2.

[\*] to return to the Output Number prompt for programming the next device

### \*80 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: 01-48;

[\*] to continue; 00 = exit

#### SUMMARY SCREEN

01 A E P Trig

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

[\*] to continue

### **ACTIVATED BY**

0 = delete (deletes the output function and any previous programming); a confirmation prompt appears.

To delete this output definition, press 1. If you do not want to delete this output, press 0.

1 = zone list (go to "A" prompt); 2 = zone type (go to "B" prompt); 3 = zone number (go to "C" prompt)

Press [\*] to continue

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

### **ZN LIST**

Enter the desired zone list number (01-08). At the ENTER EVENT prompt, enter the zone list event that will activate this output (0 = restore; 1 = alarm; 2 = fault: 3= trouble)

Press [\*] to continue and skip to the "Output Action" prompt.

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

### **ENTER ZN TYPE**

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

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

### ENTER ZN NO.

Enter the desired zone number, then press [\*] to continue. At the ENTER EVENT prompt, enter the zone event that will activate this output (0 = restore; 1 = alarm/fault/trouble).

Press [\*] to continue to the OUTPUT ACTION prompt

### **OUTPUT ACTION**

0 = off; 1 = Close for 2 seconds; 2 = Close and Stay Closed; 3 = Continuous Pulse 1 sec on and 1 sec off

4 = Change Device State; 5 = Duration 1 (see data field \*177); 6 = Duration 2 (see data field \*177)

Press [\*] to continue.

### \*80 Menu Mode (continued)

### ENTER OUTPUT NO.

Enter the device output number (programmed in \*79 Menu Mode) you want associated with this output.

01-16 = output no. 17-18 = on-board triggers

Press [\*] to continue.

### **SUMMARY SCREEN**

A summary screen appears showing the programmed settings. Press [\*] to return to OUTPUT FUNCTION NUMBER prompt.

### \*81 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

IMPORTANT: Do not include fire zones in zone lists that are used to STOP device actions

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

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.

## \*82 Alpha Descriptor Programming

### PRE-DEFINED DESCRIPTORS

### PROGRAM ALPHA

0 = no (quit Alpha mode)

1 = yes

Press [\*] or [#] to continue.

### **CUSTOM WORDS**

0 = no (continue to descriptor programming)

1 = yes (go to custom word programming)

Press 0 to program standard alpha descriptors. The system will then display the descriptor for zone 1.

To program custom words, press 1 (custom words are described later). Press [\*] to continue.

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

- 1. Press [\*] plus the desired zone number (existing descriptor, if any, is displayed), then press [\*] plus the zone number again (flashing cursor appears).
- 2. a. Press [#] plus the 3-digit number from the Alpha Vocabulary List on page 11 for the first word.
- b. Press [6] to accept the word and move the cursor for the next word. 3. Repeat steps 2a and 2b for the second and third words (if used).
- 4. When all words have been entered, press [8] to save the descriptor for
- that zone. The flashing cursor disappears. Repeat steps 1-4 to assign a descriptor for the next zone
- When all descriptors have been entered, press [\*] + 0 + 0 (or simply
- press [#]) after the last descriptor has been saved to return to the PROGRAM ALPHA? prompt.

Enter 0 (no) at the prompt to exit this mode and return to Data Field

# \*82 Alpha Descriptor Programming (continued) ADDING CUSTOM WORDS (up to 10 words)

For custom words, the keys have the following functions:

- [4] moves cursor one space to the left.
- [6] moves cursor one space to the right.
- [8] saves the new word in the system's memory.
- Select Custom Word mode (enter 1) when the prompt "CUSTOM WORD?" is displayed.
- 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.

Refer to the Character (ASCII) Chart on the next page.
 Press [#], followed by the two-digit entry for the first letter you would like to display (e.g., # 6 5 for "A"). The cursor moves to the right, in position for the next character.

To delete a character, simply enter the SPACE character (#32) at the unwanted character's location.

- 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).
- When the word is complete, press the [8] key to save the custom word(s) in the vocabulary list and return to the "CUSTOM WORD?" display.
- 6. Repeat Steps 1–5 for other custom words to be entered. To change a custom word, just overwrite it. When all words have been programmed, enter 0 at the "CUSTOM WORD?" prompt to return to the Program Alpha prompt. Enter 0 again to exit Descriptor mode.

To Assign Partition/Custom Message Descriptors, use Adding Custom Words procedure, but use the following word numbers in step 2:

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

### **ALPHA VOCABULARY LIST (For Entering Zone Descriptors)**

			IIA VOCADOL			1 (1 OI EIICI	ing Lone	<del> </del> <del>-</del> <del>-</del>		
000	(Word Space)	• 057	DOOR +			-L-		-R-		-v-
	-A-	• 059	DOWN	•	106	LAUNDRY *	155	RADIO	209	VALVE
• 001	AIR	• 060	DOWNSTAIRS		107	LEFT	• 156	REAR	210	VAULT
• 002	ALARM *	061	DRAWER		108	LEVEL	157	RECREATION	212	VOLTAGE
004	ALLEY	• 062		•	109	LIBRARY *	159	REFRIGERATION		– W –
005	AMBUSH	• 064	DUCT		110	LIGHT	160	RF	213	WALL
• 006	AREA		-E-		111	LINE	• 161	RIGHT	214	WAREHOUSE
• 007	APARTMENT	• 065			113	LIVING *	• 162	ROOM *	• 216	WEST
• 009	ATTIC *	066			114	LOADING	163	ROOF	• 217	WINDOW *
010	AUDIO	067			115	LOCK		-S-	• 219	WING
010	-B-	068			116	LOOP	164	SAFE	220	WIRELESS
• 012	BABY *	• 069			117	LOW	165	SCREEN		- X -
		• 071			118	LOWER	166	SENSOR	222	XMITTER
• 013	BACK *	071		e a de Tir	110	- M -	• 167	SERVICE		_ Y
• 014	BAR	0/2	-F-		119	MACHINE	• 168	SHED *	223	YARD
• 016	BASEMENT *	• 073		- 10 - E	121	MAIDS	169	SHOCK		-Z-
• 017	BATHROOM *	075			122	MAIN *	• 170	SHOP *	224	ZONE (No.)
• 018	BED						171	SHORT	• 225	ZONE *
• 019	BEDROOM *	• 076			123	MASTER *	• 173	SIDE *	• 226	0
020	BELL	• 077			125	MEDICAL *	173	SKYLIGHT	• 227	Ĭ
• 021	BLOWER	• 079			126	MEDICINE			• 228	1ST *
• 022	BOILER	• 080			128	MONEY	175	SLIDING *	• 229	2
023	BOTTOM	081			129	MONITOR	• 176	SMOKE *	• 230	2ND +
025	BREAK	082		•.	130	MOTHERS	• 178	SONS		3
• 026	BUILDING	• 083		•	131	MOTION *	• 179	SOUTH	• 231	
	-C-	084			132	MOTOR	180	SPRINKLER	• 232	3RD *
028	CABINET	• 085				– N –	• 182	STATION	• 233	4
• 029	CALL		– G –	•	134	NORTH	184	STORE	• 234	4TH
030	CAMERA	• 089	GARAGE *		135	NURSERY	• 185	STORAGE *	• 235	5
031	CAR	• 090				-0-	186	STORY	• 236	5TH
033	CASH	. 091	GATE	•	136	OFFICE #	190	SUPERVISED *	• 237	6
034	CCTV	• 092	GLASS		138	OPEN *	191	SUPERVISION	• 238	<u>6</u> TH
035	CEILING	093	3 GUEST		139	OPENING	192	SWIMMING	• 239	7
036	CELLAR	094	I GUN	•	140	OUTSIDE	193	SWITCH	• 240	7TH
• 037	CENTRAL		H		142	OVERHEAD		-T	• 241	8
038	CIRCUIT	• 095	5 HALL #			– P –	194	TAMPER	• 242	8TH
• 040	CLOSED *	• 096			143	PAINTING	196	TELCO	• 243	9
• 046	COMPUTER	098	HOLDUP	•	144	PANIC *	197	TELEPHONE	• 244	9TH
047	CONTACT	099			145	PASSIVE	• 199	TEMPERATURE	245	Custom Word #
	– D –	100	INFRARED		146	PATIO *	200	THERMOSTAT	246	Custom Word #
• 048	DAUGHTERS	• 10			147	PERIMETER	• 201	TOOL	247	Custom Word #
049	DELAYED	102		N	148	PHONE	202	TRANSMITTER	248	Custom Word #
• 050	DEN *	103			150	POINT		- U -	249	Custom Word #
051	DESK		-J-		151	POLICE *	• 205	UP	250	Custom Word #
• 052	DETECTOR *	104			152	POOL *	• 206	UPPER	251	Custom Word #
• 053	DINING *		- K -	•		POWER	• 207	UPSTAIRS *	252	Custom Word #
054	DISCRIMINATOR	• 10			133	· Juli	• 208	UTILITY +	252	Custom Word #
	PIOCH HIMINATION	. , , ,								- Jusionii ffold m

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 annunciation of those words.

Italicized words followed by an asterisk indicate those words supported by the 6160V/6150V Voice Keypads

**CHARACTER (ASCII) CHART (For Adding Custom Words)** 

	<b>U</b> 1117		,			The second secon
32 (space)	41 )	50 2	59 ;	68 D	77 M	86 V
33 !	42 *	51 3	60 <	69 E	78 N	87 W
34 "	43 +	52 4	61 =	70 F	79 O	88 X
35 #	44	53 5	62 >	71 G	80 P	89 Y
36 \$	45 –	54 6	63 ?	72 H	81 Q	90 Z
37 %	46 .	55 7	64 @	73 I	82 R	
38 &	47 /	56 8	65 A	74 J	83 S	
39 '	48 0	57 9	66 B	75 K	84 T	
40 (	49 1	58 :	67 C	76 L	85 U	

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

### ENTER SCHED NO.

01-16 = end-user schedules; 17-32 = installer-only schedules

[\*] to continue.

To Quit, enter 00

### **ENTER EVENT**

00 = clear event

01 = Relay On/Off

02 = User Access

- 03 = Latch Key Report to Pager (sent to all pagers in the user's partition; message sent is 777-7777. User must be enabled for paging and system must be armed before reporting can occur.)
- 04 = Forced Stay Arming (Forced bypass is automatically enabled regardless of setting in field \*23)
- 05 = Forced Away Arming (Forced bypass is automatically enabled regardless of setting in field \*23)

06 = Auto Disarm

07 = Display "Reminder"

- 10 = Display custom words (if selected, system displays custom words 8, 9, and 10 at defined time. Can be used as installer's reminder message to the end user); programmable by installer only
- 11 = Periodic Test Report (see key commands in Test Report Code, data field \*64, to quickly set periodic test reporting intervals); programmable by installer only

[\*] to continue.

### **DEVICE NUMBER** (for event 1 relay on/off)

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 and events 00-07

No.	Event (see list below)	Device No. for "01" events: enter 01-18	Group No. for "02" events: enter 1-8	Partition for "04-06" events: enter 1, 2, or 3	Start Time/ Days	Stop Time/ Days	Repeat (1-4)	Random (yes/no)
01	1					5, 744, 124		
02		2.14	Asset Same					
03				Service Contract				
04		general state		100				
05	tes, the second			and the second				
06	Territoria de la composición dela composición de la composición de la composición de la composición de la composición dela composición dela composición dela composición de la composición de la composición de la composición dela composic							
07	Language Control							
08		100						
09				The second second				
10	A 200 A.					Same Same Same		
11	La teeta aasta					The second secon		
12			3.71		the state of the s			
13	Transfer and a second			******				
14								
15		Language Section		100				
16			100					
17	La Company		44.0					
18		100						
19	1,000		and the second					
20		100		The state of the s				
21				1,000			A. A. L. L. C. C. A. A. A.	
22				Telling Telling				
23	<u> </u>							
24	<u> </u>			<u> </u>				
25	e profesion, p		14.00					
26			2012	and the second		tangan sanggan sanggan		
27	<u> </u>	1						
28		1,000				garren garren ar eta	1,144	
29				A STATE OF THE STA	and the second			Toron San San
30	<u> </u>			1. 2.44				
31		***		4				
32 Events:	Mostor//patella-	<u> </u>						

Events:

Master/Installer 00 = clear event

04 = forced STAY arm

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

01 = device on/off 02 = user access

05 = forced AWAY arm

06 = auto disarm

03 = latch key report 07 = display "reminder"

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

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

Zone	Zn Type	Part.	Report	Hardwire	Rsp. Time		Location
1	[09]	[1]		Type [EOL]	[1]		**
2	[01]	[1]		[EOL]	[1]		
3	[02]	[1]		[EOL]	[1]		
4	[03]	[1]		[EOL]	[1]		
5	[03]	[1]		[EOL]	[1]		
6	[03]	[1]		[EOL]	[1]		
7	[04]	[1]		[EOL]	[1]		
8	[04]	[1]		[EOL]	[1]	and the state of t	and the second s
Zone 9	Zn Type	Part.	Report	Input Type	Loop	Serial No.	Location
10					-		
11							
12							
13						provide the second	
14						a the state of the	
15							
16						and the first of the second	
17				<u> </u>	* .*		
18				ļ			
19	ļ	<u> </u>					
20 21	<del> </del>			+			
22							
23			-				
24		<b> </b>		<b>—</b>			
25							
26							
27	1.5			Taul Control			
28							
29							
30		1					
31	-						
32 33	<u> </u>						
34		· · · · · ·					
35	100	-					
36							
37					austra in the	ja Maria Kalanga Kalanga Kalanga Ka	a grande de la companya de la compa
38				1. 1. 1. 1. 1.			
39			100000000000000000000000000000000000000				
40							and the second of the second o
41						The state of the s	
42		ļ		1			
43 44	1	+	-	+	1	The second secon	
45	1	1				Name of Salah	
46		+	+				
47	1	1					
48							
49		[1		[BR		gradient van de lander gewone	
50		[1		[BR		1 and an	
51		[1		[BR		The second secon	Activities the second s
52		[1		[BR			A Company of the Comp
53 54	1	[1		[BR		The second of the second	
5 <del>4</del> 55	<del>                                     </del>	[1	1	BR [BR			
56	+	1 [1	1	[BR			
57	<del>                                     </del>	[1		[BR			
58	1	[1		[BR		The second secon	
59		[1		[BR		tana and an analysis and a	
60		[1	]	[BR		the state of the s	
61	1000	[1	]	[BR	]		
62		[1		[BR			
63		[1	]	[BR	1	The second secon	<u> </u>
64	100	[1 1 N/A+	1	[BR	II NI/A	N/A	Lours of [1] / [w]
95 96	[00]			N/A		N/A N/A	keypad [1] / [*] keypad [3] / [#]
99	[00 [07			N/A	N/A	N/A N/A	keypad [3] / [#]   keypad [*] / [#]

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

-13-

available if zone doubling enabled. Response Time: 0 = 10msec 1 = 350msec 2 = 700msec 3 = 1.2 secReserved Zones 91 = addressable device report enable/disable default zone type =

92 = Duress report enable/disable

NOTES:

page 12;

digit;

Input Type:

Zone Type: see chart on

Report Code: enabled if any digit entered as 1st

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

\*57 FUNCTION KEY WORKSHEET

			A			В			C			D		Comments
Option	Function	P1	P2	com	P1	P2	com	P1	P2	com	P1	P2	com	
01	Paging													
02	Time Display		1			T-								
03	Arm AWAY	[03]	[03]	[03]		1								
04	Arm STAY				[04]	[04]	[04]							
05	Arm NIGHT-STAY													
06	Step Arming													
07	Device Activation			1										Device:
08	Comm. Test										[08]	[08]	[08]	
. 09	Macro Key 1			1				[09]	[09]	[09]			1	Assign each macro key to only a single partition. †
10	Macro Key 2			<del>                                     </del>									,	Assign each macro key to only a single partition. †
11	Macro Key 3			† . · ·							1			Assign each macro key to only a single partition. †
12	Macro Key 4													Assign each macro key to only a single partition. †
00	Emergency Keys:	7	zone 9	5		zone 9	9		zone 9	96		pagin	g	
	Personal Emergency		1	Τ		T						n/a		
	Silent Alarm			1								n/a		
	Audible Alarm											n/a		
	Fire	Ι			1		1					n/a		

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)

	OUTPU'	TYPE		
	Re	ay	X10	
Output No.	Module Addr.		Unit No.	Description
01				2.3.3.3.3.3.3.3.3.3.3.3.3.3.3.3.3.3.3.3
02				
03		1.0		
04		1		
05				
06	1		1.00	
07				
08				A STATE OF THE STA

	OUTPU	TYPE		The state of the s
	Re		X10	
Output No.	Module Addr.	Pos (1-4)	Unit No.	Description
09			100	
10			1	The second secon
11	<u> </u>			
12				
13				
14				
15				
16				The second secon
17	On-Boai	d Trigge	r 1	norm output =
18	On-Boai			norm output =

### **\*81 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.

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

### **\*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.

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

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

		TIVATION IVE	e and Detai		Partition	Event (for zone	list/activated by)	Action	Output	Device
Output Function	Activated by	tivation Typ	Zono Typo	Zone No	Number	By Zone List	By Zone No.	0 = off	Number	Type
Number 1-48	0=delete 1=zn list 2=zn type 3=zn no.	(ZL) 1-8 = list	(ZT) (see table	(ZN)	(P) (if using ZT trig) 0 = any 1 = partition 1	0 = restore 1 = alarm 2 = fault	0 = restore 1 = airm/fit/trbi	1 = close 2 secs 2 = stay closed 3 = pulse	1-18	R = relay T = trigge X = X10
					2 = partition 2 3 = common	3 = trouble		4 = toggle 5 = duration 1†† 6 = duration 2††		
1				1-						
2	F		A. B. A.						25.2	
3							2 20 20 20 20		See	
4			- mail		3 10 10 10	1.2				1.00
5			Jacobson Jacobson			<u> </u>				
6			*****	<u> </u>			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			100
7						<u> </u>				<del>                                     </del>
8						<u> </u>				
9						<del>                                     </del>		<del>                                     </del>		-
10				<del>                                     </del>	<u> </u>	<del> </del>	-			+
11 12	<del> </del>			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		-		1		
13		1:		-	<del>                                     </del>	-	<del>                                     </del>	<del> </del>		+
14	-			-	-	-	<del>                                     </del>	1		+
15	ļ	<del>                                     </del>	<del> </del>			<del> </del>				<del>                                     </del>
16	1			<del> </del>						100
17	<del> </del>	<del> </del>	<b>-</b>	<del> </del>						
18	<del>                                     </del>									<b>†</b>
19		<del> </del>								
20				<b>—</b>						
21					1		The same of the sa	1		
22			T	1.0		100			100	
23										
24	1 1 1 1 1 1			1.00					5.0	
25										100
26		100	100						5.1 5	
27										
28						1.0	I america			
29									1 2 2 2 2	1
30									100	1
31									ļ	1
32										<b></b>
33				1					<u> </u>	1 11 11
34		<u> </u>			<u> </u>		<del> </del>	1 1 1 1 1 1 1 1 1		<u> </u>
35		ļ <u>.</u>	1	<u> </u>		1	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	1	<u> </u>	+
36	<del></del>	1		-	1 200	-		<u> </u>		+
37	1	+			Sec. 2	<u> </u>	<del>                                     </del>		ļ	+
38	<del>                                     </del>				<del> </del>	<del>                                     </del>		+	1 1 1 1 1 1 1 1 1	+
39		<del> </del>	+	+	+	+	1			+
40	<b>_</b>	<del> </del>	<del> </del>	+	<del> </del>	+		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-	+
41 42	+	<del> </del>	+	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	<del> </del>	+	<del>                                     </del>	<del>                                     </del>	-	
43	+	+	+	1			+		<del> </del>	+
44	+	+	+	+	+	+	<del>                                     </del>	+	-	+
45	1	+	+	+	<del> </del>		<del> </del>	+	<del> </del>	+
46	1	+	<del> </del>	1	+	+	+	+	<del> </del>	+
46		<del> </del>	<del> </del>	1	+		<del> </del>	<del>                                     </del>	1	+
48	+	+	1		<del>                                     </del>	+	+	<del></del>	<del> </del>	+

### ZONE TYPE/SYSTEM OPERATION - Choices for Zone Types are:

24 = Silent Burglary 00 = Not Used 05 = Trouble Day/Alarm Night 10 = Interior w/Delay 01 = Entry/Exit#1 06 = 24 Hr Silent 12 = Monitor Zone 77 = Keyswitch 81 = AAV Monitor Zone 02 = Entry/Exit#2 07 = 24 Hr Audible 14 = Carbon Monoxide 03 = Perimeter 08 = 24 Hr Aux 16 = Fire w/Verification 90-93 = Configurable

04 = Interior Follower 09 = Fire 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 33 = Any Burglary Alarm 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†

23 = No Alarm Response

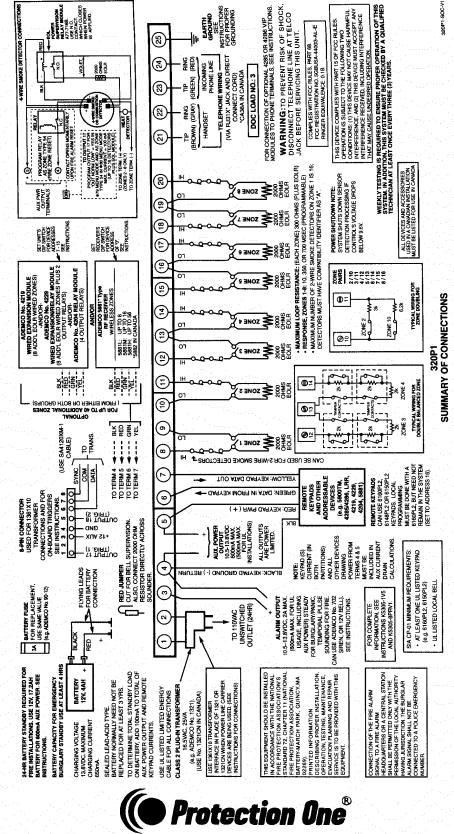
67 = Bell Failure 68 = TELCO Line Fault 78 = Keyswitch red LED†††

Code + # + 8 + NN Key Entry stops Device \*\* Use 0 (any) for Partition No. (P) entry. \*\*\* Or at Disarming, whichever occurs earlier. † Use \*57 Menu mode to assign the function key.

Code + # + 7 + NN Key Entry starts Device

Note: In normal operation mode:

†† Duration is set in program field \*177. ††† Device action not used for these choices. 79 = Keyswitch green LED†††



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