

Keypad Programming

[000] Keypad Enrollment (Section 2.5 "Keypad Assignment" on page 4)

NOTE: This must be done at each keypad requiring programming.

[0] Slot [Valid entries are 11-18; i.e. enter [11] for slot 1, [12] for slot 2, etc.]

[1] Function Key 1 Assignment (Valid entries are 00-17)

[2] Function Key 2 Assignment (Valid entries are 00-17)

[3] Function Key 3 Assignment (Valid entries are 00-17)

[4] Function Key 4 Assignment (Valid entries are 00-17)

[5] Function Key 5 Assignment (Valid entries are 00-17)

Function Key Options:

00 Null Key	08 [*][1] Bypass Mode	16 [*][0] Quick Exit
01 For future use	09 [*][2] Trouble Display	17 [*][1] Reactivate Stay/Away's
02 For future use	10 [*][3] Alarm Memory	18 For future use
03 Stay Arm	11 [*][5] User Programming	19 For future use
04 Away Arm	12 [*][6] User Functions	20 For future use
05 [*][9] No-Entry Arm	13 Command Output #1 [*][7][1]	21 For future use
06 [*][4] Chime On / Off	14 Command Output #2 [*][7][2]	
07 [*][6][—][4] System Test	15 For future use	

	Slot	Function Key 1	Function Key 2	Function Key 3	Function Key 4	Function Key 5
LED Defaults	11	03	04	06	14	16
LCD Defaults	18	03	04	06	14	16
KEYPAD 1	_____	_____	_____	_____	_____	_____
KEYPAD 2	_____	_____	_____	_____	_____	_____
KEYPAD 3	_____	_____	_____	_____	_____	_____
KEYPAD 4	_____	_____	_____	_____	_____	_____
KEYPAD 5	_____	_____	_____	_____	_____	_____
KEYPAD 6	_____	_____	_____	_____	_____	_____
KEYPAD 7	_____	_____	_____	_____	_____	_____
KEYPAD 8	_____	_____	_____	_____	_____	_____

Basic Programming

Zone Definitions

00 Null Zone (Not Used)	10 24 Hour Supervisory Buzzer	20 24 Hour Freeze
01 Delay 1	11 24 Hour Burglary	21 24 Hour Latching Tamper
02 Delay 2	12 24 Hour Holdup	22 Momentary Keyswitch Arm
03 Instant	13 24 Hour Gas	23 Maintained Keyswitch Arm
04 Interior	14 24 Hour Heating (N/C zone)	24 LINKS Answer
05 Interior, Stay/Away	15 24 Hour Medical	25 Interior Delay
06 Delay, Stay/Away	16 24 Hour Panic	87 Delay 24 Hour Fire (Wireless)
07 Delayed 24 Hour Fire (Hardwired)	17 24 Hour Emergency	88 Standard 24 Hour Fire (Wireless)
08 Standard 24 Hour Fire (Hardwired)	18 24 Hour Sprinkler	
09 24 Hour Supervisory	19 24 Hour Water	

NOTE: Keypads must be installed to use 24-hour Buzzer zones.

NOTE: Keypad zones are assigned in section [020]. Zone Attributes are assigned in sections [101] - [132]. Zone assignment is in sections [202] - [205].

[001] Zone 1-8 Definitions (Section 5.2 "Zone Programming" on page 15)

Default		Default	
01	_____ Zone 1	04	_____ Zone 5
03	_____ Zone 2	04	_____ Zone 6
03	_____ Zone 3	00	_____ Zone 7
03	_____ Zone 4	00	_____ Zone 8

NOTE: Zones 9-32 are only available for wireless zones.

[002] Zone 9-16 Definitions (Section 5.2 "Zone Programming" on page 15)

Default		Default	
00	_____ Zone 9	00	_____ Zone 13
00	_____ Zone 10	00	_____ Zone 14
00	_____ Zone 11	00	_____ Zone 15
00	_____ Zone 12	00	_____ Zone 16

[003] Zone 17-24 Definitions (Section 5.2 "Zone Programming" on page 15)

Default		Default	
00	_____ Zone 17	00	_____ Zone 21
00	_____ Zone 18	00	_____ Zone 22
00	_____ Zone 19	00	_____ Zone 23
00	_____ Zone 20	00	_____ Zone 24

[004] Zone 25-32 Definitions (Section 5.2 "Zone Programming" on page 15)

Default		Default	
00	_____ Zone 25	00	_____ Zone 29
00	_____ Zone 26	00	_____ Zone 30
00	_____ Zone 27	00	_____ Zone 31
00	_____ Zone 28	00	_____ Zone 32

[005] System Times

Default	Valid entries: [001-255]	
030	_____	Entry Delay 1 (in seconds)(Section 5.18 "Entry/Exit Delay Options" on page 24)
045	_____	Entry Delay 2 (in seconds)(Section 5.18 "Entry/Exit Delay Options" on page 24)
120	_____	Exit Delay (in seconds)(Section 5.18 "Entry/Exit Delay Options" on page 24)
004	_____	Bell Cut-off (in minutes)(Section 5.13 "Bell" on page 23)

[006] Installer's Code (Section 4.1 "Installer's Programming" on page 13)

Default	
5555	_____

[007] Master Code (Section 5.1 "Programming Security Codes" on page 15)

Default	
1234	_____

[008] Maintenance Code (Section 5.1 "Programming Security Codes" on page 15)

Default	
AAAA	_____

[009] PGM Output Programming (PGM 1 and 2) (Section 5.11 "PGM Output Options" on page 20)

Programmable Output Options

- | | |
|--|--|
| 01 Burglary and Fire Bell Output | 14 Ground Start Pulse |
| 02 For future use | 15 Remote Operation (DLS-1 Support) |
| 03 Sensor Reset | 16 LINKS1000 Support (PGM1 only) |
| 04 2-wire smoke | 17 Away Armed Status |
| 05 System Armed Status | 18 Stay Armed Status |
| 06 Ready To Arm | 19 Command Output #1 ([*][7][1]) |
| 07 Keypad Buzzer Follow Mode | 20 Command Output #2 ([*][7][2]) |
| 08 Courtesy Pulse | 21 For future use |
| 09 System Trouble Output (with Trouble options) | 22 For future use |
| 10 System Event [Strobe (with Event options)] | 23 Silent 24 Hour (PGM2 Only) |
| 11 System Tamper (all sources: zones, kpd, modules) | 24 Audible 24 Hour (PGM2 Only) |
| 12 TLM and Alarm | |
| 13 Kissoff Output | |

NOTE: Output types [03], [04] and [20] cannot be used together on the same system.

Default		Default		Program PGM Option Attributes in sections [141] & [142].
19	_____ PGM 1	10	_____ PGM 2	

[012] Keypad Lockout Options (Section 5.21 "Keypad Lockout Options" on page 25)

NOTE: If Keypad Lockout is active, the panel cannot be disarmed with a keyswitch.

Default

000 Number of Invalid Codes Before Lockout (001-255 codes)
 000 Lockout Duration (001-255 minutes)

[013] First System Option Code

Default	Option	ON	Off	Section	Page #
OFF <input type="checkbox"/>	1	Normally Closed Loops	End-of-Line Resistors	2.8	5
OFF <input type="checkbox"/>	2	Double End-of-Line Resistors	Single End-of-Line Resistors	2.8	5
ON* <input type="checkbox"/>	3	Panel shows all troubles when armed	Panel shows only Fire troubles when armed	3.4	8
OFF <input type="checkbox"/>	4	Tampers/Faults do not show as open	Tampers/Faults show as open	3.4	8
OFF <input type="checkbox"/>	5	For future use			
ON <input type="checkbox"/>	6	Audible Exit Fault Enabled	Audible Exit Fault Disabled	5.18	24
ON <input type="checkbox"/>	7	Event Buffer Follows Swinger Shutdown	Event Buffer Logs Events Past shutdown	5.20	24
OFF <input type="checkbox"/>	8	Temporal Three Fire Signal Enabled**	Standard Pulsed Fire Signal	5.13	23

* Option 3 must be OFF if LCD keypads older than v2.0 are used.

**The Temporal Three Fire Signal option must be used for UL Household Fire installations.

[014] Second System Option Code

Default	Option	ON	Off	Section	Page #
OFF <input type="checkbox"/>	1	Arm / Disarm Bell Squawk enabled	Arm / Disarm Bell Squawk disabled	5.17	23
OFF <input type="checkbox"/>	2	Bell Squawk During Auto Arm	No Bell Squawk During Auto Arm	5.18	24
OFF <input type="checkbox"/>	3	Bell Squawk On Exit Delay	No Bell Squawk On Exit Delay	5.18	24
OFF <input type="checkbox"/>	4	Bell Squawk On Entry Delay	No Bell Squawk On Entry Delay	5.18	24
OFF <input type="checkbox"/>	5	Bell Squawk On Trouble	No Bell Squawk On Trouble	3.4	8
ON <input type="checkbox"/>	6	Audible Exit with Urgency	Silent Exit Delay	5.18	24
OFF <input type="checkbox"/>	7	Exit Delay Termination Enabled	Exit Delay Termination Disabled	5.18	24
OFF <input type="checkbox"/>	8	Fire Bell is Continuous	Fire Bell Follows Bell Cut-off	5.13	23

[015] Third System Option Code

Default	Option	ON	Off	Section	Page #
ON <input type="checkbox"/>	1	Fire Keys Enabled	Fire Keys Disabled	5.16	23
OFF <input type="checkbox"/>	2	Panic Keys Audible (Bell / Beeps)	Panic Keys Silent	5.16	23
OFF <input type="checkbox"/>	3	Quick Exit Enabled	Quick Exit Disabled	3.4	8
ON* <input type="checkbox"/>	4	Quick Arming Enabled	Quick Arming Dis. / Function keys Req. Code	3.4	8
OFF <input type="checkbox"/>	5	Code Required For Bypassing	No Code Required	3.4	8
OFF <input type="checkbox"/>	6	Master Code Not Changeable	Master Code Changeable	5.1	15
ON <input type="checkbox"/>	7	TLM Enabled	TLM Disabled	5.12	22
OFF <input type="checkbox"/>	8	TLM Audible (Bell) When Armed	TLM Trouble Beeps When Armed	5.12	22

* When using a PC5132 version 2.1 or older with WLS909 Wireless Keys, option [4] must be ON for the Arm button to work.

[016] Fourth System Option Code

Default	Option	ON	Off	Section	Page #
ON <input type="checkbox"/>	1	AC Trouble Displayed	AC Trouble Not Displayed	3.4	8
OFF <input type="checkbox"/>	2	Trouble Light Flashes if AC Fails	Trouble Light Does Not Follow AC Status	3.4	8
OFF <input type="checkbox"/>	3	Blank Keypad When Not Used	Keypad Active Always	5.22	25
OFF <input type="checkbox"/>	4	Code Required to Remove Kypd Blanking	No Code Required	5.22	25
ON <input type="checkbox"/>	5	Keypad Backlighting is enabled	Keypad Backlighting is disabled	5.23	25
OFF <input type="checkbox"/>	6	Power Save Mode enabled	Power Save Mode disabled	5.22	25
OFF <input type="checkbox"/>	7	Bypass Status Displayed While Armed	Bypass Status Not Displayed While Armed	5.17	23
OFF <input type="checkbox"/>	8	Keypad Tampers enabled	Keypad Tampers disabled	5.25	25

[017] Fifth System Option Code

Default	Option	ON	Off	Section	Page #
ON	<input type="checkbox"/>	1	WLS Key Does Not Use Access Codes*	WLS Key Uses Access Codes	5.17 23
OFF	<input type="checkbox"/>	2-7	For future use		
OFF	<input type="checkbox"/>	8	Squawk on Away Arming/Disarming OnlyBell	Squawk on all Arming/Disarming	5.17 23

*This option must be enabled when using a PC5132 v2.1 or earlier.

[020] Keypad Zone Assignments (Section 2.12 "Keypad Zones" on page 7)

NOTE: Only one keypad may be assigned to a zone.

Default

00	<input type="checkbox"/>	Keypad (slot 1) Zone	Valid entries are zones 01-08
00	<input type="checkbox"/>	Keypad (slot 2) Zone	Valid entries are zones 01-08
00	<input type="checkbox"/>	Keypad (slot 3) Zone	Valid entries are zones 01-08
00	<input type="checkbox"/>	Keypad (slot 4) Zone	Valid entries are zones 01-08
00	<input type="checkbox"/>	Keypad (slot 5) Zone	Valid entries are zones 01-08
00	<input type="checkbox"/>	Keypad (slot 6) Zone	Valid entries are zones 01-08
00	<input type="checkbox"/>	Keypad (slot 7) Zone	Valid entries are zones 01-08
00	<input type="checkbox"/>	Keypad (slot 8) Zone	Valid entries are zones 01-08

[030] Zone Loop Response Options

Default	Option	ON	Off	Section	Page #
OFF	<input type="checkbox"/>	1	Zone 1 is Fast Loop Response	Zone 1 is Normal Loop Response	5.24 25
OFF	<input type="checkbox"/>	2	Zone 2 is Fast Loop Response	Zone 2 is Normal Loop Response	5.24 25
OFF	<input type="checkbox"/>	3	Zone 3 is Fast Loop Response	Zone 3 is Normal Loop Response	5.24 25
OFF	<input type="checkbox"/>	4	Zone 4 is Fast Loop Response	Zone 4 is Normal Loop Response	5.24 25
OFF	<input type="checkbox"/>	5	Zone 5 is Fast Loop Response	Zone 5 is Normal Loop Response	5.24 25
OFF	<input type="checkbox"/>	6	Zone 6 is Fast Loop Response	Zone 6 is Normal Loop Response	5.24 25
OFF	<input type="checkbox"/>	7-8	For future use		

Advanced System Programming

Zone Attributes (Section 5.3 "Zone Attributes" on page 16)

Zone Attribute Defaults (Y = Option ON; N = Option OFF):

Attribute:	1	2	3	4	5	6	7	8
	Audible Silent	Steady Pulsed	Chime No	Bypass No	Force* No	Swing No	Tx. Delay No	Wireless Zn. No
Zone Type:								
00 Null Zone	N	N	N	N	N	N	N	N
01 Delay 1	Y	Y	Y	Y	N	Y	N	N
02 Delay 2	Y	Y	Y	Y	N	Y	N	N
03 Instant	Y	Y	Y	Y	N	Y	N	N
04 Interior	Y	Y	N	Y	N	Y	N	N
05 Int. Stay/Away	Y	Y	N	Y	Y	Y	N	N
06 Dly. Stay/Away	Y	Y	N	Y	Y	Y	N	N
07 Dly. 24hr Fire (Hardw.)	Y	N	N	N	N	N	N	N
08 Stand. 24hr Fire (Hardw.)	Y	N	N	N	N	N	N	N
09 24hr Superv.	N	Y	N	N	Y	N	N	N
10 24hr Superv. Buzzer	N	Y	N	Y	N	N	N	N
11 24hr Burglary	Y	Y	N	Y	N	N	N	N
12 24hr Holdup	N	Y	N	N	N	N	N	N
13 24hr Gas	Y	N	N	N	N	N	N	N
14 24hr Heating (N/C zone)	Y	N	N	N	N	N	N	N
15 24hr Medical	Y	Y	N	N	N	N	N	N
16 24hr Panic	Y	Y	N	N	N	N	N	N
17 24hr Emergency	Y	Y	N	N	N	N	N	N
18 24hr Sprinkler	Y	Y	N	N	N	N	N	N
19 24hr Water	Y	Y	N	N	N	N	N	N
20 24hr Freeze	Y	Y	N	N	N	N	N	N
21 24hr Latching Tamper	Y	Y	N	N	N	N	N	N
22 Momentary Keyswitch	N	N	N	N	Y	N	N	N
23 Maintained Keyswitch	N	N	N	N	Y	N	N	N
24 LINKS Answer	N	N	N	N	Y	N	N	N
25 Interior Delay	Y	Y	N	Y	N	Y	N	N
87 Dly. 24hr Fire (Wireless)	Y	N	N	N	N	N	N	Y
88 Stand. 24hr Fire (Wireless)	Y	N	N	N	N	N	N	Y

***NOTE: For UL installations, do not change attribute 5 (Force Arming) from the default setting.**

Section	Zone #	Zone Type*	1	2	3	4	5	6	7	8
[101]	1	()	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[102]	2	()	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[103]	3	()	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[104]	4	()	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[105]	5	()	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[106]	6	()	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[107]	7	()	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[108]	8	()	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[109]	9	()	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[110]	10	()	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[111]	11	()	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[112]	12	()	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[113]	13	()	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[114]	14	()	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

[115]	15	()	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[116]	16	()	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[117]	17	()	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[118]	18	()	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[119]	19	()	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[120]	20	()	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[121]	21	()	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[122]	22	()	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[123]	23	()	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[124]	24	()	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[125]	25	()	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[126]	26	()	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[127]	27	()	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[128]	28	()	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[129]	29	()	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[130]	30	()	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[131]	31	()	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[132]	32	()	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

*Record here based on programming in sections [001] - [004]

PGM Output Attributes (Section 5.11 "PGM Output Options" on page 20)

Program only the following attributes for the PGM options listed. All others will be ignored. PGM options are programmed in [009].

PGM Attribute Defaults (Y = Attribute ON; N = Attribute OFF):

Attribute:	1	2	3	4	5
ON	Output enabled	—	True Output	Follows Timer	Code Req.
OFF	Output disabled	—	Inverted	On / Off	No Code Req.
PGM Option					
[01] Burg. / Fire Bell	Y		Y		
[03] Sensor Reset	Y		Y		N
[04] 2-wire smoke	Y		Y		N
[05] Armed Status	Y		Y		
[06] Ready To Arm	Y		Y		
[07] Kypd Bzz Follow	Y		Y		
[08] Courtesy Pulse	Y		Y		
[11] System Tamper			Y		
[12] TLM and Alarm			Y		
[13] Kiss-off			Y		
[14] Gnd Strt Pulse			Y		
[15] Remote Op.			Y		
[16] LINKS1000 Sup.			Y		
[17] Away Armed Status	Y		Y		
[18] Stay Armed Status	Y		Y		
[19] Comm. Output #1	Y		Y	Y	Y
[20] Comm. Output #2	Y		Y	Y	N
[23] Silent 24 Hr			Y		
[24] Audible 24 Hr			Y		

Attribute:	1	2	3	4	5	6	7	8
PGM Option								
ON	Serv. req.	AC Fail	TLM Fault	FTC	Zone Fault	Zone Tmp.	Zn. Low Bat.	Loss of Clock
OFF	Disabled	Disabled	Disabled	Disabled	Disabled	Disabled	Disabled	Disabled
[09] System Trouble	Y	Y	Y	Y	Y	Y	Y	Y
ON	Burg. Evnt.	Fire Evnt.	Panic Evnt.	Med. Evnt.	Supv. Evnt.	Priority Evnt.	Holdup Evnt.	Follows Timer*
OFF	Disabled	Disabled	Disabled	Disabled	Disabled	Disabled	Disabled	Latched
[10] System Event	Y	Y	Y	Y	Y	Y	Y	N
*If attribute [8] is turned ON, attributes [1-7] must also be turned ON.								

Section	PGM #	Output Type*	1	2	3	4	5	6	7	8
[141]	1	()								
[142]	2	()								

*Record here based on programming in [009].

[160] Maximum Dialing Attempts to Each Telephone Number (Section 5.5 "Communicator – Dialing" on page 17)

Default: 008 Valid entries are 001-015 attempts (do not enter 000).

[161] Post Dial Wait for Handshake (All Formats) (Section 5.5 "Communicator – Dialing" on page 17)

Default: 040 Valid entries are 001-255 seconds

[164] PGM Output Timer (Section 5.5 "Communicator – Dialing" on page 17)

Default: 005 Valid entries are 001-255 seconds

[202] Zone Assignments 01-08 (Section 5.2 "Zone Programming" on page 15)

Program zone definitions in sections [001] - [004] and zone attributes in sections [101] - [132]. Program keypad zone assignments in section [020].

NOTE: Any zones not used on the system should be disabled in this section. Disabled wireless zones should have a blank serial number (i.e. [000000]).

Zones 1-8: Default = ON; Zones 9-32: Default = OFF

Section	Option:	1	2	3	4	5	6	7	8
[202]		Zone 1	Zone 2	Zone 3	Zone 4	Zone 5	Zone 6	Zone 7	Zone 8
[203]		Zone 9	Zone 10	Zone 11	Zone 12	Zone 13	Zone 14	Zone 15	Zone 16
[204]		Zone 17	Zone 18	Zone 19	Zone 20	Zone 21	Zone 22	Zone 23	Zone 24
[205]		Zone 25	Zone 26	Zone 27	Zone 28	Zone 29	Zone 30	Zone 31	Zone 32

Communicator Programming

NOTE: For sections [301] to [353], the content of every section by default is [F].

[301] First Telephone Number (32 Digits) (Section 5.7 "Communicator – Telephone Numbers" on page 17)

[302] Second Telephone Number (32 Digits) (Section 5.7 "Communicator – Telephone Numbers" on page 17)

[303] Third Telephone Number (32 Digits) (Section 5.7 "Communicator – Telephone Numbers" on page 17)

[310] First/Third Telephone Number Account Code (Section 5.6 "Communicator – Account Numbers" on page 17)

[311] Second Telephone Number Account Code (Section 5.6 "Communicator – Account Numbers" on page 17)

Alarm Reporting Codes, Zones 1-32 (Section 5.8 "Communicator – Reporting Codes" on pg. 18, & Appendix A)

Section

[320]	Zone 1 _____	Zone 2 _____	Zone 3 _____	Zone 4 _____	Zone 5 _____	Zone 6 _____	Zone 7 _____	Zone 8 _____
[321]	Zone 9 _____	Zone 10 _____	Zone 11 _____	Zone 12 _____	Zone 13 _____	Zone 14 _____	Zone 15 _____	Zone 16 _____
[322]	Zone 17 _____	Zone 18 _____	Zone 19 _____	Zone 20 _____	Zone 21 _____	Zone 22 _____	Zone 23 _____	Zone 24 _____
[323]	Zone 25 _____	Zone 26 _____	Zone 27 _____	Zone 28 _____	Zone 29 _____	Zone 30 _____	Zone 31 _____	Zone 32 _____

Alarm Restoral Reporting Codes, Zones 1-32 (Section 5.8 "Communicator – Reporting Codes" on pg. 18, & Appendix A)

Section

[324]	Zone 1 _____	Zone 2 _____	Zone 3 _____	Zone 4 _____	Zone 5 _____	Zone 6 _____	Zone 7 _____	Zone 8 _____
[325]	Zone 9 _____	Zone 10 _____	Zone 11 _____	Zone 12 _____	Zone 13 _____	Zone 14 _____	Zone 15 _____	Zone 16 _____
[326]	Zone 17 _____	Zone 18 _____	Zone 19 _____	Zone 20 _____	Zone 21 _____	Zone 22 _____	Zone 23 _____	Zone 24 _____
[327]	Zone 25 _____	Zone 26 _____	Zone 27 _____	Zone 28 _____	Zone 29 _____	Zone 30 _____	Zone 31 _____	Zone 32 _____

[328] Miscellaneous Alarm Reporting Codes (Section 5.8 "Communicator – Reporting Codes" on pg. 18, & Appendix A)

- | | |
|------------------------------|---|
| _____ 1. Duress Alarm | _____ 4. Zone Expander Supervisory Alarm |
| _____ 2. Opening After Alarm | _____ 5. Zone Expander Supervisory Restoral |
| _____ 3. Recent Closing | _____ 6. Cross Zone Police Code Alarm |

[329] Priority Alarm and Restoral (Section 5.8 "Communicator – Reporting Codes" on pg. 18, & Appendix A)

- | | |
|---------------------------------|------------------------------------|
| _____ 1. Keypad Fire Alarm | _____ 5. Keypad Fire Restoral |
| _____ 2. Keypad Auxiliary Alarm | _____ 6. Keypad Auxiliary Restoral |
| _____ 3. Keypad Panic Alarm | _____ 7. Keypad Panic Restoral |
| _____ 4. PGM2 Alarm | _____ 8. PGM2 Restoral |

Tamper Reporting Codes, Zones 1-32 (Section 5.8 "Communicator – Reporting Codes" on pg. 18, & Appendix A)

Section

[330]	Zone 1 _____	Zone 2 _____	Zone 3 _____	Zone 4 _____	Zone 5 _____	Zone 6 _____	Zone 7 _____	Zone 8 _____
[331]	Zone 9 _____	Zone 10 _____	Zone 11 _____	Zone 12 _____	Zone 13 _____	Zone 14 _____	Zone 15 _____	Zone 16 _____
[332]	Zone 17 _____	Zone 18 _____	Zone 19 _____	Zone 20 _____	Zone 21 _____	Zone 22 _____	Zone 23 _____	Zone 24 _____
[333]	Zone 25 _____	Zone 26 _____	Zone 27 _____	Zone 28 _____	Zone 29 _____	Zone 30 _____	Zone 31 _____	Zone 32 _____

Tamper Restoral Reporting Codes, Zones 1-8 (Section 5.8 "Communicator – Reporting Codes" on pg. 18, & Appendix A)

Section

[334]	Zone 1 _____	Zone 2 _____	Zone 3 _____	Zone 4 _____	Zone 5 _____	Zone 6 _____	Zone 7 _____	Zone 8 _____
[335]	Zone 9 _____	Zone 10 _____	Zone 11 _____	Zone 12 _____	Zone 13 _____	Zone 14 _____	Zone 15 _____	Zone 16 _____
[336]	Zone 17 _____	Zone 18 _____	Zone 19 _____	Zone 20 _____	Zone 21 _____	Zone 22 _____	Zone 23 _____	Zone 24 _____
[337]	Zone 25 _____	Zone 26 _____	Zone 27 _____	Zone 28 _____	Zone 29 _____	Zone 30 _____	Zone 31 _____	Zone 32 _____

[338] Miscellaneous Tamper Reporting Codes (Section 5.8 "Communicator – Reporting Codes" on pg. 18, & Appendix A)

- 1. General System Tamper
- 2. General System Tamper Rest.
- 3. Keypad Lockout

Closing (Arming) Reporting Codes, Access Codes 1-32 (Section 5.8 "Communicator – Reporting Codes" on pg. 18, & Appendix A)

Section

[339]	Code 1 <input type="checkbox"/>	Code 2 <input type="checkbox"/>	Code 3 <input type="checkbox"/>	Code 4 <input type="checkbox"/>	Code 5 <input type="checkbox"/>	Code 6 <input type="checkbox"/>	Code 7 <input type="checkbox"/>	Code 8 <input type="checkbox"/>
[340]	Code 9 <input type="checkbox"/>	Code 10 <input type="checkbox"/>	Code 11 <input type="checkbox"/>	Code 12 <input type="checkbox"/>	Code 13 <input type="checkbox"/>	Code 14 <input type="checkbox"/>	Code 15 <input type="checkbox"/>	Code 16 <input type="checkbox"/>
[341]	Code 17 <input type="checkbox"/>	Code 18 <input type="checkbox"/>	Code 19 <input type="checkbox"/>	Code 20 <input type="checkbox"/>	Code 21 <input type="checkbox"/>	Code 22 <input type="checkbox"/>	Code 23 <input type="checkbox"/>	Code 24 <input type="checkbox"/>
[342]	Code 25 <input type="checkbox"/>	Code 26 <input type="checkbox"/>	Code 27 <input type="checkbox"/>	Code 28 <input type="checkbox"/>	Code 29 <input type="checkbox"/>	Code 30 <input type="checkbox"/>	Code 31 <input type="checkbox"/>	Code 32 <input type="checkbox"/>

[343] Miscellaneous Closing (Arming) Reporting Codes

(Section 5.8 "Communicator – Reporting Codes" on pg. 18, & Appendix A)

- 1. Closing by Duress Code 33
- 2. Closing by Duress Code 34
- 3. Closing by Master Code 40
- 4. Closing by Supervisory Code 41
- 5. Closing by Supervisory Code 42
- 6. Partial Closing
- 7. Special Closing

Opening (Disarming) Reporting Codes, Access Codes 1-8 (Section 5.8 "Communicator – Reporting Codes" on pg. 18, & Appendix A)

Section

[344]	Code 1 <input type="checkbox"/>	Code 2 <input type="checkbox"/>	Code 3 <input type="checkbox"/>	Code 4 <input type="checkbox"/>	Code 5 <input type="checkbox"/>	Code 6 <input type="checkbox"/>	Code 7 <input type="checkbox"/>	Code 8 <input type="checkbox"/>
[345]	Code 9 <input type="checkbox"/>	Code 10 <input type="checkbox"/>	Code 11 <input type="checkbox"/>	Code 12 <input type="checkbox"/>	Code 13 <input type="checkbox"/>	Code 14 <input type="checkbox"/>	Code 15 <input type="checkbox"/>	Code 16 <input type="checkbox"/>
[346]	Code 17 <input type="checkbox"/>	Code 18 <input type="checkbox"/>	Code 19 <input type="checkbox"/>	Code 20 <input type="checkbox"/>	Code 21 <input type="checkbox"/>	Code 22 <input type="checkbox"/>	Code 23 <input type="checkbox"/>	Code 24 <input type="checkbox"/>
[347]	Code 25 <input type="checkbox"/>	Code 26 <input type="checkbox"/>	Code 27 <input type="checkbox"/>	Code 28 <input type="checkbox"/>	Code 29 <input type="checkbox"/>	Code 30 <input type="checkbox"/>	Code 31 <input type="checkbox"/>	Code 32 <input type="checkbox"/>

[348] Miscellaneous Opening (Disarming) Reporting Codes

(Section 5.8 "Communicator – Reporting Codes" on pg. 18, & Appendix A)

- 1. Opening by Duress Code 33
- 2. Opening by Duress Code 34
- 3. Opening by Master Code 40
- 4. Opening by Supervisory Code 41
- 5. Opening by Supervisory Code 42
- 6. Auto Arm Cancellation
- 7. Special Opening

[349] Maintenance Alarm Reporting Codes (Section 5.8 "Communicator – Reporting Codes" on pg. 18, & Appendix A)

- 1. Battery Trouble Alarm
- 2. AC Failure Trouble Alarm
- 3. Bell Circuit Trouble Alarm
- 4. Fire Trouble Alarm
- 5. Auxiliary Power Supply Trouble Alarm
- 6. TLM Trouble Code (via LINKS)
- 7. For future use
- 8. General System Supervisory

[350] Maintenance Restoral Reporting Codes (Section 5.8 "Communicator – Reporting Codes" on pg. 18, & Appendix A)

- 1. Battery Trouble Restoral
- 2. AC Failure Trouble Restoral
- 3. Bell Circuit Trouble Restoral
- 4. Fire Trouble Restoral
- 5. Auxiliary Power Supply Trouble Restoral
- 6. TLM Restoral
- 7. For future use
- 8. General System Supervisory Restore

- [351] Miscellaneous Maintenance Reporting Codes (Section 5.8 "Communicator – Reporting Codes" on pg. 18, & Appendix A)
- | | | | |
|--------------------------|--|--------------------------|-----------------------|
| <input type="checkbox"/> | 1. Telephone Number 1 FTC Restore | <input type="checkbox"/> | 5. DLS Lead OUT |
| <input type="checkbox"/> | 2. Telephone Number 2 FTC Restore | <input type="checkbox"/> | 6. Zone Fault Alarm |
| <input type="checkbox"/> | 3. Event Buffer 75% Full Since Last Upload | <input type="checkbox"/> | 7. Zone Fault Restore |
| <input type="checkbox"/> | 4. DLS Lead IN | <input type="checkbox"/> | 8. Delinquency Code |

- [352] Test Transmission Reporting Codes (Section 5.8 "Communicator – Reporting Codes" on pg. 18, & Appendix A)
- | | | | |
|--------------------------|-------------------------------|--------------------------|--------------------------------------|
| <input type="checkbox"/> | 1. Periodic Test Transmission | <input type="checkbox"/> | 3. LINKS1000 Test Transmission Code* |
| <input type="checkbox"/> | 2. System Test | | |

*The LINKS Test Transmission Code must be programmed as "00" for the LINKS Test Transmission to be disabled.

- [353] Wireless Maintenance Reporting Codes (Section 5.8 "Communicator – Reporting Codes" on pg. 18, & Appendix A)
- | | | | |
|--------------------------|--------------------------------------|--------------------------|--|
| <input type="checkbox"/> | 1. Wireless Device Low Battery Alarm | <input type="checkbox"/> | 2. Wireless Device Low Battery Restore |
|--------------------------|--------------------------------------|--------------------------|--|

- [360] Communicator Format Options (Section 5.9 "Communicator – Reporting Formats" on page 19)

NOTE: The Third telephone number follows the format of the First telephone number.

Default

- | | | |
|-----------|--------------------------|---------------------------|
| 02 | <input type="checkbox"/> | 1st/3rd Telephone Number |
| 02 | <input type="checkbox"/> | 2nd Telephone Number |
| 01 | | 20 BPS, 1400 HZ handshake |
| 02 | | 20 BPS, 2300 HZ handshake |
| 03 | | DTMF CONTACT ID |
| 04 | | SIA FSK |
| 05 | | Pager |

- [361] Alarm/Restore Communicator Call Directions (Section 5.5 "Communicator – Dialing" on page 17)

Default	Option	ON	OFF
ON	<input type="checkbox"/>	1 1st Telephone Number	Disabled
OFF	<input type="checkbox"/>	2 2nd Telephone Number	Disabled
OFF	<input type="checkbox"/>	3 1st Telephone Number (via LINKS)	Disabled
OFF	<input type="checkbox"/>	4 2nd Telephone Number (via LINKS)	Disabled
OFF	<input type="checkbox"/>	5-8 For future use	

- [363] Tamper/Restore Communicator Call Directions (Section 5.5 "Communicator – Dialing" on page 17)

Default	Option	ON	OFF
ON	<input type="checkbox"/>	1 1st Telephone Number	Disabled
OFF	<input type="checkbox"/>	2 2nd Telephone Number	Disabled
OFF	<input type="checkbox"/>	3 1st Telephone Number (via LINKS)	Disabled
OFF	<input type="checkbox"/>	4 2nd Telephone Number (via LINKS)	Disabled
OFF	<input type="checkbox"/>	5-8 For future use	

- [365] Opening/Closing Communicator Call Directions (Section 5.5 "Communicator – Dialing" on page 17)

Default	Option	ON	OFF
ON	<input type="checkbox"/>	1 1st Telephone Number	Disabled
OFF	<input type="checkbox"/>	2 2nd Telephone Number	Disabled
OFF	<input type="checkbox"/>	3 1st Telephone Number (via LINKS)	Disabled
OFF	<input type="checkbox"/>	4 2nd Telephone Number (via LINKS)	Disabled
OFF	<input type="checkbox"/>	5-8 For future use	

- [367] System Maintenance Alarm/Restore Communicator Call Directions (Section 5.5 "Communicator – Dialing" on page 17)

Default	Option	ON	OFF
ON	<input type="checkbox"/>	1 1st Telephone Number	Disabled
OFF	<input type="checkbox"/>	2 2nd Telephone Number	Disabled
OFF	<input type="checkbox"/>	3 1st Telephone Number (via LINKS)	Disabled
OFF	<input type="checkbox"/>	4 2nd Telephone Number (via LINKS)	Disabled
OFF	<input type="checkbox"/>	5-8 For future use	

[368] System Test Transmissions Communicator Call Directions (Section 5.5 "Communicator – Dialing" on page 17)

Default	Option	ON	OFF
ON	<input type="checkbox"/>	1	1st Telephone Number Disabled
OFF	<input type="checkbox"/>	2	2nd Telephone Number Disabled
OFF	<input type="checkbox"/>	3	1st Telephone Number (via LINKS) Disabled
OFF	<input type="checkbox"/>	4	2nd Telephone Number (via LINKS) Disabled
OFF	<input type="checkbox"/>	5-8	For future use

NOTE:The LINKS1000 backup call directions will only back up their respective telephone numbers.

[370] Communication Variables

Default	Section	Page #
003 <input type="checkbox"/>	Swinger Shutdown (Alarms and Rest) (001-014 Transmissions, 000=disabled)	5.19 24
003 <input type="checkbox"/>	Swinger Shutdown (Tampers and Rest)(001-014 Transmissions, 000=disabled)	5.19 24
003 <input type="checkbox"/>	Swinger Shutdown (Maint and Rest) (001-014 Transmissions, 000=disabled)	5.19 24
000 <input type="checkbox"/>	Transmission Delay (001-255 seconds)	5.15 23
030 <input type="checkbox"/>	AC Failure Communication Delay (001-255 minutes)	5.8 18
003 <input type="checkbox"/>	TLM Trouble Delay (No. of checks required - valid entries 003 - 255)	5.12 22
030 <input type="checkbox"/>	Test Transmission Cycle (land line) (001-255 days)	5.14 23
030 <input type="checkbox"/>	Test Transmission Cycle (LINKS) (001-255 days)	5.14 23
007 <input type="checkbox"/>	Zone Low Battery Transmission Delay (000-255 days)	5.8 18
030 <input type="checkbox"/>	Delinquency Transmission Cycle (000-255 days/hours)	5.8 18

NOTE: To disable the AC failure communications delay, program [000].

[371] Test Transmission Time of Day (Section 5.14 "Test Transmission" on page 23)

Default	
9999 <input type="checkbox"/>	(Valid entries are 0000-2359, 9999 to disable)

[380] First Communicator Option Code

Default	Option	ON	Off	Section	Page #
ON <input type="checkbox"/>	1	Communications Enabled	Communications Disabled	5.5	17
OFF <input type="checkbox"/>	2	Restorals on Bell Time-out	Restorals Follow Zones	5.8	18
OFF <input type="checkbox"/>	3	Pulse Dialing	DTMF Dialing	5.5	17
ON <input type="checkbox"/>	4	Switch to Pulse Dialing on 5th Attempt	DTMF Dial For All Attempts	5.5	17
OFF <input type="checkbox"/>	5	3rd Telephone Number enabled	3rd Telephone Number disabled	5.7	17
OFF <input type="checkbox"/>	6	Alternate Dial (1st and 3rd)	Call 1st Number, Backup to 3rd	5.7	17
OFF <input type="checkbox"/>	7	Call LINKS as well as Land Line	LINKS is Backup of Land Line(s)	5.26	25
OFF <input type="checkbox"/>	8	Delinquency Follows Zone Activity (Hours)	Delinquency Follows Arming (Days)	5.8	18

[381] Second Communicator Option Code

Default	Option	ON	Off	Section	Page #
OFF <input type="checkbox"/>	1	Open After Alarm Kypd Ringback enabled	Open After Alm Kypd Ringback disabled	5.17	23
OFF <input type="checkbox"/>	2	Open After Alarm Bell Ringback enabled	Open After Alm Bell Ringback disabled	5.17	23
OFF <input type="checkbox"/>	3	SIA Sends Programmed Rep. Codes	SIA Sends Automatic Rep. Codes	5.9	19
OFF <input type="checkbox"/>	4	Closing Confirmation Enabled	Closing Confirmation Disabled	5.17	23
OFF <input type="checkbox"/>	5-6	For future use	—		
ON <input type="checkbox"/>	7	Contact ID Uses Programmed Reporting Codes	Contact ID Uses Auto Reporting Codes	5.9	19
OFF <input type="checkbox"/>	8	For future use	—		

[390] LINKS Preamble (First Telephone Number) (Section 5.26 "LINKS1000 Cellular Communicator*" on page 25)

Default: FFFF (Program all unused digits with Hex F)

[391] LINKS Preamble (Second Telephone Number) (Section 5.26 "LINKS1000 Cellular Communicator*" on page 25)

Default: FFFF (Program all unused digits with Hex F)

[392] LINKS Preamble (Third Telephone Number) (Section 5.26 "LINKS1000 Cellular Communicator*" on page 25)

Default: FFFF (Program all unused digits with Hex F)

[393] LINKS Special Function Preamble (All Telephone Numbers) (Section 5.26 "LINKS1000 Cellular Communicator*" on page 25)

Default: FFFFFFFF (Program all unused digits with Hex F)

- Enter [*][2][*] (HEX B) to dial [*]
- Enter [*][3][*] (HEX C) to dial [#]

Downloading Options

[401] First Downloading Option Code (Section 5.10 "Downloading" on page 20)

Default	Option	ON	Off
OFF <input type="checkbox"/>	1	Answering machine/double call enabled	Answering machine/double call disabled
ON <input type="checkbox"/>	2	User Can Enable DLS Window	User Cannot Enable DLS Window
OFF <input type="checkbox"/>	3	Call-Back Enabled	Call-Back Disabled
OFF <input type="checkbox"/>	4	User-initiated call-up enabled	User-initiated call-up disabled
OFF <input type="checkbox"/>	5-8	For future use	

[402] Downloading Computer's Telephone Number (32 Digits) (Section 5.10 "Downloading" on page 20)

[403] Downloading Access Code (Section 5.10 "Downloading" on page 20)

Default: 1555 Enter 4 HEX digits

[404] Panel Identification Code (Section 5.10 "Downloading" on page 20)

Default: 1555 Enter 4 HEX digits

[405] Answering Machine Double-call Timer (Section 5.10 "Downloading" on page 20)

Default: 060 (Valid entries are 001-255 seconds)

[406] Number of Rings to Answer On (Section 5.10 "Downloading" on page 20)

Default: 000 (Valid entries are 000-255 rings)

[490] LINKS Preamble (Downloading Telephone Number) (Section 5.10 "Downloading" on page 20)

Default: FFFF (Program all unused digits with Hex F)

[499] [Installer's Code] [499] Initiate PC-Link (Local Downloading) (Section 5.10 "Downloading" on page 20)

International Programming

[701] First International Options Code

Default	Option	ON	Off	Section	Page #
OFF <input type="checkbox"/>	1-4	For Future Use			
OFF <input type="checkbox"/>	5	6-Digit User Access Codes	4-Digit User Access Codes	5.1	15
OFF <input type="checkbox"/>	6	Busy tone detection enabled	Busy tone detection disabled	5.5	17
OFF <input type="checkbox"/>	7-8	For Future Use			

Module Programming

[801] PC5400 Printer Module Programming

Please refer to your PC5400 Installation Manual for installation and programming instructions.

[803] Alternative Communicator Programming

Please refer to your LINKS2X50, Skyroute Installation Manual for installation and programming instructions.

[804] PC5132 Wireless Expansion Programming

Please refer to your PC5132 Installation Manual for programming locations and instructions.

Special Installer Functions

[901] Installer Walk Test Mode Enable / Disable (Section 5.30 "Walk Test (Installer)" on page 26)

[902] Module Supervision Reset (Section 2.7 "Removing Modules" on page 5)

[903] Module Supervision Field (Section 2.6 "Supervision" on page 5)

[904] Wireless Module Placement Test

For more information, please refer to your PC5132 Installation Manual

- Select the module / transmitter (Zones 01-32).
- Press [#] to Cancel.

Placement	Led Keypad	LCD Keypad	Bell / Buzzer
Good	Light 1 ON Steady	"GOOD"	1 Beep / Squawk
Fair	Light 2 ON Steady	"FAIR"	2 Beeps / Squawks
Bad	Light 3 ON Steady	"BAD"	3 Beeps / Squawks

[990] Installer Lockout Enable (Section 5.29 "Installer's Lockout" on page 26)

[991] Installer Lockout Disable (Section 5.29 "Installer's Lockout" on page 26)

[993] Restore Alternative Communicator to Factory Default Programming

(Section 5.28 "Resetting Factory Defaults" on page 26)

[996] Restore PC5132 to Factory Default Programming (Section 5.28 "Resetting Factory Defaults" on page 26)

[997] Restore PC5400 to Factory Default Programming (Section 5.28 "Resetting Factory Defaults" on page 26)

[999] Restore PC1555 to Factory Default Programming (Section 5.28 "Resetting Factory Defaults" on page 26)

Appendix A: Reporting Codes

The following tables contain Contact ID and Automatic SIA format reporting codes. For more information on reporting code formats and notes about individual reporting codes, see sections 5.8 "Communicator – Reporting Codes" on page 18 and 5.9 "Communicator – Reporting Formats" on page 19.

Contact ID

The first digit (in parentheses) will automatically be sent by the control. The second two digits are programmed to indicate specific information about the signal.

For example, if zone 1 is an entry/exit point, you could program the event code as [34]. The central station would receive the following:

*BURG - ENTRY/EXIT - 1

where the "1" indicates which zone went into alarm.

SIA Format - Level 2 (Hardcoded)

The SIA communication format used in this product follows the level 2 specifications of the SIA Digital Communication Standard - January 1996. This format will send the Account Code along with its data transmission. The transmission would look similar to the following at the receiver:

```
N Ri01      BA 01
N           =   New Event
Ri01       =   Partition /Area Identifier
BA         =   Burglary Alarm
01        =   Zone 1
```

Section #	Reporting Code	Code Sent When...	Dialer Direction*	Contact ID Codes	SIA Auto Rep Codes**
[320]	Zone Alarms	zone goes into alarm	A/R	(1) 3A	See Table 3
[324]	Zone Restorals	alarm condition has been restored	A/R	(1) 3A	
[330] [334]	Zone Tamper/Restoral	zone exhibits a tamper condition/tamper condition restored	T/R	(1) 44	TA-ZZ/TR-ZZ
[328]	Duress Alarm	duress code entered at keypad	A/R	(1) 21	HA-00
[328]	Opening After Alarm	system disarmed with alarm in memory	A/R	(4) A6	OR-00
[328]	Recent Closing	alarm occurs within two minutes of system arming	A/R	(4) 59	CR-00
[328]	Zone Expander Supervisory Alarm/Rest.	panel loses/restores supervisory transmission over the Keybus from enrolled PC5132 module or keypads with zone inputs	A/R	(1) 43	UA-00/UH-00
[328]	Cross Zone (Police Code) Alarm	two zones on the same partition go into alarm during any given armed-to-armed period (incl. 24Hr zones)	A/R	(1) 4A	BV-00
[329]	[F] Key Alarm/Rest.	Keypad fire alarm (alarm and restore rep. codes sent together)	A/R	(1) 15	FA-00/FH-00
[329]	[A] Key Alarm/Rest.	Keypad auxiliary alarm (alarm and restore rep. codes sent together)	A/R	(1) AA	MA-00/MH-00
[329]	[P] Key Alarm/Rest.	Keypad panic alarm (alarm and restore rep. codes sent together)	A/R	(1) 2A	PA-00/PH-00
[329]	PGM2 Alarm/Rest.	a panic button wired to PGM2 is pressed / access code is entered (PGM2 programmed as option [23] or [24])	A/R	(1) 4A	UA-99/UH-99
		a 2-wire smoke detector wired to PGM2 goes into alarm/ alarm is cleared (PGM2 programmed as option [04])	A/R	(1) 11	FA-99/FH-99
[338]	General System Tamper/ Rest.	enrolled module with tamper inputs has a tamper alarm/ all module tampers restored	T/R	(1) 45	TA-00/TR-00
[338]	Keypad Lockout	max. number of incorrect access codes has been entered at a keypad	T/R	(4) 21	JA-00
[339-343]	Closings	system armed (user 01-34, 40-42 indicated)	O/C	(4) A2	CL-UU
[343]	Partial Closing	one or more zones bypassed when system armed	O/C	(4) 7A	CG-ZZ
[343]	Special Closing	Closing (arming) using one of the following methods: quick arm, auto arm, keyswitch, function key, maintenance code, DLS software	O/C	(4) AA	CL-00
[344-348]	Openings	system disarmed (user 01-34, 40-42 indicated)	O/C	(4) A2	OP-UU
[348]	Auto Arm Cancellation	auto arm cancelled	O/C	(4) A5	CE-00
[348]	Special Opening	Opening (disarming) using one of the following methods: keyswitch, maintenance code, DLS software	O/C	(4) AA	OP-00
[349-350]	Battery Trouble/Rest.	PC1555 battery is low/battery restored	MA/R	(3) A2	YT-00/YR-00

* A/R = alarms/restorals; T/R = tampers/restorals; O/C = openings/closings; MA/R = miscellaneous alarms/restorals; T = test transmissions
** UU = user number (user01-42); ZZ = zone number (01-08)

Section #	Reporting Code	Code Sent When...	Dialer Direction*	Contact ID Codes	SIA Auto Rep Codes**
[349-350]	AC Line Trouble/Rest.	AC power to control panel is disconnected or interrupted/AC power restored (Both codes follow AC Failure Comm. Delay.)	MA/R	(3) A1	AT-00/AR-00
[349-350]	Main Bell Trouble/Rest.	open circuit detected across bell terminals/bell circuit closed	MA/R	(3) 21	UT-99/UJ-99
[349-350]	Fire Trouble/Rest.	a trouble occurs/restores on a fire zone	MA/R	(3) 73	FT-00/FJ-00
[349-350]	Auxiliary Power Trouble/Rest.	aux voltage supply trouble/restoral	MA/R	(3) AA	YP-00/YQ-00
[349]	TLM Failure	telephone line monitoring trouble (sent via LINKS. Do not program if LINKS not used)	MA/R	(3) 51	LT-00
[350]	TLM Restore	Telephone line trouble restore	MA/R	(3) 51	LR-00
[349-350]	Gen System Supervisory Trouble/Rest.	control panel loses/restores communications with module(s) connected to the Keypus	MA/R	(3) 33	ET-00/ER-00
[351]	Line 1 or 2 FTC Restoral	control panel has restored communications to central station on line 1 or 2 (after FTC)	MA/R	(3) 54	YK-00
[351]	Event Buffer is 75% Full	event buffer is almost full since last upload	MA/R	(6) 23	JL-00
[351]	DLS Lead In	downloading session start	MA/R	(4) 11	RB-00
[351]	DLS Lead Out	downloading session complete	MA/R	(4) 12	RS-00
[351]	Zone Fault/Rest.	one or more zones have faults/restored	MA/R	(3) 72	UT-00/UJ-00
[351]	Delinquency	programmed amount of time (days or hours) for delinquency has expired without zone activity or without system being armed	MA/R	(4) 54***	CD-00
[352]	Periodic Test	periodic system test transmission	T	(6) A2	RP-00
[352]	System Test	[*][6] bell/communications test	T	(6) A1	RX-00
[352]	LINKS Test	LINKS test transmission	T	(6) A3	TX-00
[353]	Wireless Device Low Battery Trouble/Rest.	wireless zones (WLS904, WLS905, WLS907); panic pendants (WLS908); handheld keypads (WLS910); wireless keys (WLS909) have low battery/all low batteries restored	MA/R	(3) 84	XT-00/XR-00

* A/R = alarms/restorals; T/R = tampers/restorals; O/C = openings/closings; MA/R = miscellaneous alarms/restorals; T = test transmissions
** UU = user number (user01-42); ZZ = zone number (01-08)
***Program the "Fail to close" event code [(4)54] to report either closing or activity delinquency. Make sure your central station is aware of the application of this reporting code.

Table2: Contact ID Zone Alarm/Restoral Event Codes (as per ADEMCO):

Program any of these codes for zone alarms/restorals when using the standard (non-automatic) Contact ID reporting format.

Medical Alarms	(1)34 Entry / Exit
(1)AA Medical	(1)35 Day / Night
(1)A1 Pendant Transmitter	(1)36 Outdoor
(1)A2 Fail to Report In	(1)37 Tamper
Fire Alarms	(1)38 Near Alarm
(1)1A Fire Alarm	General Alarms
(1)11 Smoke	(1)4A General Alarm
(1)12 Combustion	(1)43 Exp. module failure
(1)13 Water Flow	(1)44 Sensor tamper
(1)14 Heat	(1)45 Module Tamper
(1)15 Pull Station	(1)4A Cross Zone Police Code
(1)16 Duct	24 Hour Non-Burglary
(1)17 Flame	(1)5A 24 Hour non-Burg
(1)18 Near Alarm	(1)51 Gas detected
Panic Alarms	(1)52 Refrigeration
(1)2A Panic	(1)53 Loss of Heat
(1)21 Duress	(1)54 Water Leakage
(1)22 Silent	(1)55 Foil Break
(1)23 Audible	(1)56 Day Trouble
Burglar Alarms	(1)57 Low bottled Gas level
(1)3A Burglary	(1)58 High Temp
(1)31 Perimeter	(1)59 Low Temp
(1)32 Interior	(1)61 Loss of Air Flow
(1)33 24 Hour	

Table 3: SIA Format Automatic Zone Alarm/Restoral Codes

Zone Definition	SIA Auto Rep Codes*
	Zone Alm/Rest.
Delay, Instant, Interior, Delay Stay/Away, Interior Stay/Away, 24Hr Burg.	BA-ZZ/BH-ZZ
Standard 24Hr Fire, Delayed 24Hr Fire	FA-ZZ/FH-ZZ
24Hr Supervisory	US-ZZ/UR-ZZ
24Hr Supervisory Buzzer	UA-ZZ/UH-ZZ
24Hr Sprinkler	SA-ZZ/SH-ZZ
24Hr Gas	GA-ZZ/GH-ZZ
24Hr Heat	KA-ZZ/KH-ZZ
24Hr Medical	MA-ZZ/MH-ZZ
24Hr Emergency (non-medical)	QA-ZZ/QH-ZZ
24Hr Waterflow	WA-ZZ/WH-ZZ
24Hr Freeze	ZA-ZZ/ZH-ZZ
24Hr Holdup	HA-ZZ/HH-ZZ
24Hr Panic	PA-ZZ/PH-ZZ
Latching 24Hr	BA-ZZ/BH-ZZ

* ZZ = zones 01-08

Appendix B: Programming LCD Keypads

If you have an LCD5500Z Keypad, additional programming is required for proper operation. The following is a description of the available programming options and their accompanying programming sections:

How to Enter LCD Programming

Follow the programming procedure as outlined in Section 4 by pressing [*][8][Installer's Code]. Press the [*] key. Enter the two digit Section number to be programmed.

Programmable Labels – Sections [01] - [08], [33], [34], [40], [44], [51], [52]

Zone labels and other LCD display identifiers can be customized to make operation of the system easier for the end user. The following procedure should be used for creating all LCD labels:

- Enter Installer's Programming. Enter the Number corresponding to the label to be programmed.
- Use the arrow keys (<>) to move the underline bar underneath the letter to be changed.
- Press the number key [1] to [9] corresponding to the letter you require. The first time you press the number the first letter will appear. Pressing the number key again will display the next letter. Refer to the following chart:

[1] - A, B, C, 1	[2] - D, E, F, 2	[3] - G, H, I, 3	[4] - J, K, L, 4	[5] - M, N, O, 5
[6] - P, Q, R, 6	[7] - S, T, U, 7	[8] - V, W, X, 8	[9] - Y, Z, 9,0	[0] - Space
- When the required letter or number is displayed use the arrow keys (<>) to scroll to the next letter.
- When you are finished programming the Zone Label, press the [*] key, scroll to "Save," then press [*].
- Continue from Step 2 until all Labels are programmed.

[01] to [32] Zone Labels (14 Characters)

Default: "Zone 1" - "Zone 32"

Record zone labels on page 29

[33] Fire Alarm Label (14 Characters)

Default: "Fire Zone" _____

[34] System Label (14 Characters)

Default: "System" _____

[40] to [44] [*][7][1-2] Command Output Option Labels (14 Characters)

[40] Default: "Command O/P 1" _____

[44] Default: "Command O/P 2" _____

[51] Fail to Arm Event Message

Default: "System Has Failed to Arm" _____

[52] Alarm When Armed Event Message

Default: "Alarm Occurred While Armed < >" _____

[60] First User Display Mask

Default	Option	ON	OFF
ON	1	Hold [P]anic Keys prompt ON	Hold [P]anic Keys prompt OFF
ON	2	Zone Bypassing prompt ON	Zone Bypass prompt OFF
ON	3	Troubles prompt ON	Troubles prompt OFF
ON	4	Alarm Memory prompt ON	Alarm Memory prompt OFF
ON	5	Door Chime Control prompt ON	Door Chime Control prompt OFF
ON	6	Access Codes prompt ON	Access Codes prompt OFF
ON	7	User Functions prompt ON	User Functions prompt OFF
ON	8	Output Control prompt ON	Output Control prompt OFF

[61] Second User Display Mask

Default	Option	ON	OFF
OFF <input type="checkbox"/>	1	Installer Programming prompt ON	Installer Programming prompt OFF
ON <input type="checkbox"/>	2	Stay Arm prompt ON	Stay Arm prompt OFF
ON <input type="checkbox"/>	3	Quick Arm prompt ON	Quick Arm prompt OFF
ON <input type="checkbox"/>	4	Interior Arm prompt ON	Interior Arm prompt OFF
OFF <input type="checkbox"/>	5	Quick Exit prompt ON	Quick Exit prompt OFF
ON <input type="checkbox"/>	6	View Event Buffer prompt ON	View Event Buffer prompt OFF
OFF <input type="checkbox"/>	7-8	For future use	

[62] Third User Display Mask

Default	Option	ON	OFF
ON <input type="checkbox"/>	1	System Test prompt ON	System Test prompt OFF
ON <input type="checkbox"/>	2	Time and Date prompt ON	Time and Date prompt OFF
ON <input type="checkbox"/>	3	Auto-Arm Control prompt ON	Auto-Arm Days prompt OFF
ON <input type="checkbox"/>	4	Auto-Arm Time prompt ON	Auto-Arm Time prompt OFF
ON <input type="checkbox"/>	5	Download Enable prompt ON	Download Enable prompt OFF
ON <input type="checkbox"/>	6	Bright Control prompt ON	Bright Control prompt OFF
ON <input type="checkbox"/>	7	Contrast Control prompt ON	Contrast Control prompt OFF
ON <input type="checkbox"/>	8	Buzzer Control prompt ON	Buzzer Control prompt OFF

[63] Downloaded LCD Message Duration

Default: 003 (Valid entries are 000-255, 000=Unlimited Message Display. This number represents the number of times the Downloaded message is cleared by pressing any key while the message is up after timeout)

[64] Key Options

Default	Option	ON	OFF
ON <input type="checkbox"/>	1	[F]ire Keys enabled	[F]ire Keys disabled
ON <input type="checkbox"/>	2	[A]uxiliary Keys enabled	[A]uxiliary Keys disabled
ON <input type="checkbox"/>	3	[P]anic Keys enabled	[P]anic Keys disabled
OFF <input type="checkbox"/>	4-8	For future use	

[65] Fourth User Display Mask

Default	Option	ON	OFF
ON <input type="checkbox"/>	1	User Initiated Call-up Prompt ON	User Initiated Call-up Prompt OFF
OFF <input type="checkbox"/>	2	For future use	
OFF <input type="checkbox"/>	3	For future use	
ON <input type="checkbox"/>	4	Command Output #1 prompt ON	Command Output #1 prompt OFF
ON <input type="checkbox"/>	5	Command Output #2 prompt ON	Command Output #2 prompt OFF
OFF <input type="checkbox"/>	6-8	For future use	

[66] Keypad Options

Default	Option	ON	OFF
ON <input type="checkbox"/>	1	Display Access Code when Programming	Display 'X' when Programming
ON <input type="checkbox"/>	2	Local Clock Display Enabled	Local Clock Display Disabled
OFF <input type="checkbox"/>	3	Local Clock Displays 24 Hour time	Local Clock Displays AM/PM
ON <input type="checkbox"/>	4	Auto Alarm Memory Scroll Enabled	Auto Alarm Memory Scroll Disabled
OFF <input type="checkbox"/>	5-8	For future use	

[97] View Software Version

[98] Initiate Global Label Broadcast

All LCD programming is done per keypad. If more than one LCD keypad are present on the system, and the PC5400 receives labels, labels programmed at one keypad can be broadcast to all other LCD keypads. Perform the following procedure in order to broadcast labels:

Step 1 - Program one LCD keypad completely.

Step 2 - Make sure all LCD keypads are connected to the Keybus.

Step 3 - Enter Installer's Programming, then enter Section [98] at the keypad that was programmed. The keypad will now broadcast all the information programmed to all the other LCD keypads on the system.

Step 4 - When the keypad is finished press the [#] key to exit.

[99] Reset LCD EEPROM to Factory Defaults

ASCII Characters

032	#	&)	/	<	?	^		~	ä	ç	ï	ñ	ö	ü
033	!	\$	'	*	—	#	=	@	_	ö	e	e	i	ö	*
034		z	z	+	z	z	z	z	z	z	z	z	z	z	z
037	040	043	046	059	062	093	123	126	225	230	236	240	245	249	255