

Keypad Programming

[000] Keypad Enrollment

(Section 2.5 "Keypad Enrollment")

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

[0] Slot [Valid entries are 11-18; ie. 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

03 Stay Arm

04 Away Arm

05 [★][9] No-Entry Arm

06 [★][4] Chime On / Off

07 [★][6][—][4] System Test

08 [★][1] Bypass Mode

09 [★][2] Trouble Display

10 [★][3] Alarm Memory

11 [★][5] User Programming

12 [★][6] User Functions

13 Command Output #1 [★][7][1]

14 Command Output #2 [★][7][2]

16 [★][0] Quick Exit

17 [★][1] Reactivate Stay/Away's

	Slot (Address)	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)	09 24 Hour Supervisory (LINKS)	18 24 Hour Sprinkler
01 Delay 1	10 24 Hour Supervisory Buzzer	19 24 Hour Water
02 Delay 2	11 24 Hour Burglary	20 24 Hour Freeze
03 Instant	12 24 Hour Holdup	21 24 Hour Latching Tamper
04 Interior	13 24 Hour Gas	22 Momentary Keyswitch Arm
05 Interior, Stay/Away	14 24 Hour Heat	23 Maintained Keyswitch Arm
06 Delay, Stay/Away	15 24 Hour Medical	24 LINKS Answer
07 Delayed 24 Hour Fire (Hardwired)	16 24 Hour Panic	87 Delay 24 Hour Fire (Wireless)
08 Standard 24 Hour Fire (Hardwired)	17 24 Hour Emergency	88 Standard 24 Hour Fire (Wireless)



If 24-hour Buzzer zones are used, keypads must be installed

[001] Zone 1-8 Definitions

(Section 5.2 "Zone Programming")

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



Keypad zones are assigned in Section [020]. Zone Attributes are assigned in Sections [101] - [108]. Zone assignment is in section [202].

[005] System Times

Default [001-255]

030	_____	Entry Delay 1 (in seconds)	(Section 5.18 "Entry/Exit Delay Options")
045	_____	Entry Delay 2 (in seconds)	(Section 5.18 "Entry/Exit Delay Options")
120	_____	Exit Delay (in seconds)	(Section 5.18 "Entry/Exit Delay Options")
004	_____	Bell Cut-off (in minutes)	(Section 5.13 "Siren")

[006] Installer's Code

(Section 4.1 "Installer Programming")

Default
1555 _____

[007] Master Code

(Section 5.1 "Programming Security Codes")

Default
1234 _____

[008] Maintenance Code

(Section 5.1 "Programming Security Codes")

Default
AAAA _____

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

Programmable Output Options

- | | |
|--|--|
| 01 Burglary and Fire Bell Output | 13 Kissoff Output |
| 02 For future use | 14 Ground Start Pulse |
| 03 Sensor Reset | 15 Remote Operation (DLS-1 Support) |
| 04 For future use | 16 LINKS 1000 Support (PGM1 only) |
| 05 System Armed Status | 17 Away Armed Status |
| 06 Ready To Arm | 18 Stay Armed Status |
| 07 Keypad Buzzer Follow Mode | 19 Command Output #1 ([*] [7] [1]) |
| 08 Courtesy Pulse | 20 Command Output #2 ([*] [7] [2]) |
| 09 System Trouble Output (with Trouble options) | 21 For future use |
| 10 Latched System Event [Strobe (with Event options)] | 22 For future use |
| 11 System Tamper (all sources: zones, kpd, modules) | 23 Silent 24 Hour (PGM2 Only) |
| 12 TLM and Alarm | 24 Audible 24 Hour (PGM2 Only) |



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

Default

19 PGM 1

10 PGM 2

Program PGM Option Attributes in sections [141] & [142].

[012] Keypad Lockout Options
(Section 5.21 "Keypad Lockout Options")



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
OFF	<input type="text"/>	1 Normally Closed Loops	End-of-Line Resistors	2.8
OFF	<input type="text"/>	2 Double End-of-Line Resistors	Single End-of-Line Resistors	2.8
ON	<input type="text"/>	3* Panel shows all troubles when armed	Panel shows only Fire troubles when armed	3.4
OFF	<input type="text"/>	4 Tamper/Faults do not show as open	Tamper/Faults show as open	5.8
OFF	<input type="text"/>	5 Zone 1 is Fast Loop Response	Zone 1 is Standard Loop Response	5.24
ON	<input type="text"/>	6 Audible Exit Fault Enabled	Audible Exit Fault Disabled	5.18
ON	<input type="text"/>	7 Event Buffer Follows Swinger Shutdown	Event Buffer Logs Events Past shutdown	5.20
OFF	<input type="text"/>	8 Temporal Three Fire Signal Enabled	Standard Pulsed Fire Signal	5.13

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

[014] Second System Option Code

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

[015] Third System Option Code

Default	Option	ON	OFF	Section
ON	<input type="checkbox"/> ON	1 Fire Keys Enabled	Fire Keys Disabled	5.16
OFF	<input type="checkbox"/> ON	2 Panic Keys Audible (Bell / Beeps)	Panic Keys Silent	5.16
OFF	<input type="checkbox"/> ON	3 Quick Exit Enabled	Quick Exit Disabled	3.4
ON*	<input type="checkbox"/> ON	4 Quick Arming Enabled	Quick Arming Dis. / Function keys Req. Code3.4	3.4
OFF	<input type="checkbox"/> OFF	5 Code Required For Bypass	No Code Required	3.4
OFF	<input type="checkbox"/> OFF	6 Master Code Not Changeable	Master Code Changeable	5.1
ON	<input type="checkbox"/> OFF	7 TLM Enabled	TLM Disabled	5.12
OFF	<input type="checkbox"/> ON	8 TLM Audible (Bell) When Armed	TLM Trouble Beeps When Armed	5.12

*** 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
ON	<input type="checkbox"/>	1 AC Trouble Displayed	AC Trouble Not Displayed	3.4
OFF	<input type="checkbox"/>	2 Trouble Light Flashes if AC Fails	Trouble Light Does Not Follow AC Status	3.4
OFF	<input type="checkbox"/>	3 Blank Keypad When Not Used	Keypad Active Always	5.22
OFF	<input type="checkbox"/>	4 Code Required to Remove Keypad Blankin	No Code Required	5.22
ON	<input type="checkbox"/>	5 Keypad Backlighting is enabled	Keypad Backlighting is disabled	5.23
OFF	<input type="checkbox"/>	6 Power Save Mode enabled	Power Save Mode disabled	5.22
OFF	<input type="checkbox"/>	7 Bypass Status Displayed While Arme	Bypass Status Not Displayed While Armed	5.17
OFF	<input type="checkbox"/>	8 Keypad Tamper enabled	Keypad Tamper disabled	5.25

[020] Keypad Zone Assignments

(Section 2.12 "Keypad Zones")



Only one keypad may be assigned to any given zone.

Default	Option	ON	OFF
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

Advanced System Programming

Zone Attributes

(Section 5.3 "Zone Attributes")

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

Attribute:	1	2	3	4	5	6	7	8
ON	Audible	Steady	Chime	Bypass	Force	Swing	Tx. Delay	Wireless Zn.
OFF	Silent	Pulsed	No	No	No	No	No	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 Heat	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 Keypad	N	N	N	N	Y	N	N	N
23 Maintained Keypad	N	N	N	N	Y	N	N	N
24 LINKS Answer	N	N	N	N	Y	N	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

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"/>

*Record here based on programming in section [001]

PGM Output Attributes

(Section 5.11 "PGM Output Options")

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

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

Attribute:	1	2	3	4	5
ON	Output enabled	—	True Output	5 sec. pulse	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
[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] LINKS 1000 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.	—
OFF	Disabled	Disabled	Disabled	Disabled	Disabled	Disabled	Disabled	—
[10] Latched Sys. Event	Y	Y	Y	Y	Y	Y	Y	

Section	PGM #	Output Type*	1	2	3	4	5	6	7	8
[141]	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"/>
[142]	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"/>

*Record here based on programming in section [009]

[160] Maximum Dialing Attempts to Each Phone Number

(Section 5.5 "Communicator Dialing")

Default: 008 Valid entries are 001-255 attempts (Do not enter 000)

[161] Post Dial Wait for Handshake (All Formats)

(Section 5.5 "Communicator Dialing")

Default: 040 Valid entries are 001-255 seconds

[202] Zone Assignments

(Section 5.2 "Zone Programming")

Program *Zone Definitions* in section [001] and *Zone Attributes* in sections [101] - [108].

Program *Keypad Zone Assignments* in section [020].

! *Any zones not used on the system should be disabled in this section. Disabled wireless zones should have a blank serial number (ie. [000000]).*

Default	Option	ON	OFF
ON	<input type="checkbox"/>	1 Zone 1 is enabled	Zone 1 is disabled
ON	<input type="checkbox"/>	2 Zone 2 is enabled	Zone 2 is disabled
ON	<input type="checkbox"/>	3 Zone 3 is enabled	Zone 3 is disabled
ON	<input type="checkbox"/>	4 Zone 4 is enabled	Zone 4 is disabled
ON	<input type="checkbox"/>	5 Zone 5 is enabled	Zone 5 is disabled
ON	<input type="checkbox"/>	6 Zone 6 is enabled	Zone 6 is disabled
ON	<input type="checkbox"/>	7 Zone 7 is enabled	Zone 7 is disabled
ON	<input type="checkbox"/>	8 Zone 8 is enabled	Zone 8 is disabled

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 – Phone Numbers")

[302] Second Telephone Number (32 Digits)

(Section 5.7 "Communicator – Phone Numbers")

[303] Third Telephone Number (32 Digits)

(Section 5.7 "Communicator – Phone Numbers")

[310] First/Third Telephone Number Account Code

(Section 5.6 "Communicator – Account Numbers")

[311] Second Telephone Number Account Code

(Section 5.6 "Communicator – Account Numbers")

[320] Alarm Reporting Codes, Zones 1-8

(Section 5.8 "Communicator – Reporting Codes")

<input type="checkbox"/> _1_1_0_	Zone 1	<input type="checkbox"/> _1_1_0_	Zone 5
<input type="checkbox"/> _1_1_0_	Zone 2	<input type="checkbox"/> _1_1_0_	Zone 6
<input type="checkbox"/> _1_1_0_	Zone 3	<input type="checkbox"/> _1_1_0_	Zone 7
<input type="checkbox"/> _1_1_0_	Zone 4	<input type="checkbox"/> _1_1_0_	Zone 8

[324] Alarm Restoral Reporting Codes, Zones 1-8

(Section 5.8 "Communicator – Reporting Codes")

<input type="checkbox"/> _0_1_0_	Zone 1	<input type="checkbox"/> _0_1_0_	Zone 5
<input type="checkbox"/> _0_1_0_	Zone 2	<input type="checkbox"/> _0_1_0_	Zone 6
<input type="checkbox"/> _0_1_0_	Zone 3	<input type="checkbox"/> _0_1_0_	Zone 7
<input type="checkbox"/> _0_1_0_	Zone 4	<input type="checkbox"/> _0_1_0_	Zone 8

[328] Miscellaneous Alarm Reporting Codes

(Section 5.8 "Communicator – Reporting Codes")

<input type="checkbox"/> _1_1_0_	Duress Alarm	<input type="checkbox"/> _0_1_0_	Zone Expander Supervisory Alarm
<input type="checkbox"/> _1_1_0_	Opening After Alarm	<input type="checkbox"/> _0_1_0_	Zone Expander Supervisory Restoral
<input type="checkbox"/> _1_1_0_	Recent Closing	<input type="checkbox"/> _0_1_0_	Cross Zone Police Code Alarm

[329] Priority Alarm and Restoral

(Section 5.8 "Communicator – Reporting Codes")

<input type="checkbox"/> _1_1_0_	Keypad Fire Alarm	<input type="checkbox"/> _0_1_0_	Keypad Fire Restoral
<input type="checkbox"/> _1_1_0_	Keypad Auxiliary Alarm	<input type="checkbox"/> _0_1_0_	Keypad Auxiliary Restoral
<input type="checkbox"/> _1_1_0_	Keypad Panic Alarm	<input type="checkbox"/> _0_1_0_	Keypad Panic Restoral
<input type="checkbox"/> _1_1_1_	PGM2 Alarm	<input type="checkbox"/> _0_1_0_	PGM2 Restoral

[330] Tamper Reporting Codes, Zones 1-8

(Section 5.8 "Communicator – Reporting Codes")

<input type="checkbox"/> _ _ _ _	Zone 1	<input type="checkbox"/> _ _ _ _	Zone 5
<input type="checkbox"/> _ _ _ _	Zone 2	<input type="checkbox"/> _ _ _ _	Zone 6
<input type="checkbox"/> _ _ _ _	Zone 3	<input type="checkbox"/> _ _ _ _	Zone 7
<input type="checkbox"/> _ _ _ _	Zone 4	<input type="checkbox"/> _ _ _ _	Zone 8

[334] Tamper Restoral Reporting Codes, Zones 1-8

(Section 5.8 "Communicator – Reporting Codes")

<input type="checkbox"/> _ _ _ _	Zone 1	<input type="checkbox"/> _ _ _ _	Zone 5
<input type="checkbox"/> _ _ _ _	Zone 2	<input type="checkbox"/> _ _ _ _	Zone 6
<input type="checkbox"/> _ _ _ _	Zone 3	<input type="checkbox"/> _ _ _ _	Zone 7
<input type="checkbox"/> _ _ _ _	Zone 4	<input type="checkbox"/> _ _ _ _	Zone 8

[338] Miscellaneous Tamper Reporting Codes

(Section 5.8 "Communicator – Reporting Codes")

<input type="checkbox"/> _ _ _ _	General System Tamper
<input type="checkbox"/> _ _ _ _	General System Tamper Rest.
<input type="checkbox"/> _ _ _ _	Keypad Lockout

[339] Closing (Arming) Reporting Codes, Access Codes 1-8

(Section 5.8 "Communicator – Reporting Codes")

<input type="checkbox"/> _ _ _ _	Code 1	<input type="checkbox"/> _ _ _ _	Code 5
<input type="checkbox"/> _ _ _ _	Code 2	<input type="checkbox"/> _ _ _ _	Code 6
<input type="checkbox"/> _ _ _ _	Code 3	<input type="checkbox"/> _ _ _ _	Code 7
<input type="checkbox"/> _ _ _ _	Code 4	<input type="checkbox"/> _ _ _ _	Code 8

[340] Closing (Arming) Reporting Codes, Access Codes 9-16

(Section 5.8 "Communicator – Reporting Codes")

<input type="checkbox"/> _ _ _ _	Code 9	<input type="checkbox"/> _ _ _ _	Code 13
<input type="checkbox"/> _ _ _ _	Code 10	<input type="checkbox"/> _ _ _ _	Code 14
<input type="checkbox"/> _ _ _ _	Code 11	<input type="checkbox"/> _ _ _ _	Code 15
<input type="checkbox"/> _ _ _ _	Code 12	<input type="checkbox"/> _ _ _ _	Code 16

[341] Closing (Arming) Reporting Codes, Access Codes 17-24

(Section 5.8 "Communicator – Reporting Codes")

<input type="checkbox"/> _ _ _ _	Code 17	<input type="checkbox"/> _ _ _ _	Code 21
<input type="checkbox"/> _ _ _ _	Code 18	<input type="checkbox"/> _ _ _ _	Code 22
<input type="checkbox"/> _ _ _ _	Code 19	<input type="checkbox"/> _ _ _ _	Code 23
<input type="checkbox"/> _ _ _ _	Code 20	<input type="checkbox"/> _ _ _ _	Code 24

[342] Closing (Arming) Reporting Codes, Access Codes 25-32

(Section 5.8 "Communicator – Reporting Codes")

<input type="checkbox"/> _ _ _ _	Code 25	<input type="checkbox"/> _ _ _ _	Code 29
<input type="checkbox"/> _ _ _ _	Code 26	<input type="checkbox"/> _ _ _ _	Code 30
<input type="checkbox"/> _ _ _ _	Code 27	<input type="checkbox"/> _ _ _ _	Code 31
<input type="checkbox"/> _ _ _ _	Code 28	<input type="checkbox"/> _ _ _ _	Code 32

[343] Miscellaneous Closing (Arming) Reporting Codes

(Section 5.8 "Communicator – Reporting Codes")

- | | |
|--|--|
| <input type="checkbox"/> Closing by Duress Code 33 | <input type="checkbox"/> Closing by System Code 42 |
| <input type="checkbox"/> Closing by Duress Code 34 | <input type="checkbox"/> Partial Closing |
| <input type="checkbox"/> Closing by System Code 40 | <input type="checkbox"/> Special Closing |
| <input type="checkbox"/> Closing by System Code 41 | |

[344] Opening (Disarming) Reporting Codes, Access Codes 1-8

(Section 5.8 "Communicator – Reporting Codes")

- | | |
|---------------------------------|---------------------------------|
| <input type="checkbox"/> Code 1 | <input type="checkbox"/> Code 5 |
| <input type="checkbox"/> Code 2 | <input type="checkbox"/> Code 6 |
| <input type="checkbox"/> Code 3 | <input type="checkbox"/> Code 7 |
| <input type="checkbox"/> Code 4 | <input type="checkbox"/> Code 8 |

[345] Opening (Disarming) Reporting Codes, Access Codes 9-16

(Section 5.8 "Communicator – Reporting Codes")

- | | |
|----------------------------------|----------------------------------|
| <input type="checkbox"/> Code 9 | <input type="checkbox"/> Code 13 |
| <input type="checkbox"/> Code 10 | <input type="checkbox"/> Code 14 |
| <input type="checkbox"/> Code 11 | <input type="checkbox"/> Code 15 |
| <input type="checkbox"/> Code 12 | <input type="checkbox"/> Code 16 |

[346] Opening (Disarming) Reporting Codes, Access Codes 17-24

(Section 5.8 "Communicator – Reporting Codes")

- | | |
|----------------------------------|----------------------------------|
| <input type="checkbox"/> Code 17 | <input type="checkbox"/> Code 21 |
| <input type="checkbox"/> Code 18 | <input type="checkbox"/> Code 22 |
| <input type="checkbox"/> Code 19 | <input type="checkbox"/> Code 23 |
| <input type="checkbox"/> Code 20 | <input type="checkbox"/> Code 24 |

[347] Opening (Disarming) Reporting Codes, Access Codes 25-32

(Section 5.8 "Communicator – Reporting Codes")

- | | |
|----------------------------------|----------------------------------|
| <input type="checkbox"/> Code 25 | <input type="checkbox"/> Code 29 |
| <input type="checkbox"/> Code 26 | <input type="checkbox"/> Code 30 |
| <input type="checkbox"/> Code 27 | <input type="checkbox"/> Code 31 |
| <input type="checkbox"/> Code 28 | <input type="checkbox"/> Code 32 |

[348] Miscellaneous Opening (Disarming) Reporting Codes

(Section 5.8 "Communicator – Reporting Codes")

- | | |
|--|--|
| <input type="checkbox"/> Opening by Duress Code 33 | <input type="checkbox"/> Opening by System Code 42 |
| <input type="checkbox"/> Opening by Duress Code 34 | <input type="checkbox"/> Auto Arm Cancellation |
| <input type="checkbox"/> Opening by System Code 40 | <input type="checkbox"/> Special Opening |
| <input type="checkbox"/> Opening by System Code 41 | |

[349] Maintenance Alarm Reporting Codes

(Section 5.8 "Communicator – Reporting Codes")

- | | |
|---|---|
| <input type="checkbox"/> Battery Trouble Alarm | <input type="checkbox"/> Auxiliary Power Supply Trouble Alarm |
| <input type="checkbox"/> AC Failure Trouble Alarm | <input type="checkbox"/> TLM Trouble Code (via LINKS) |
| <input type="checkbox"/> Bell Circuit Trouble Alarm | <input type="checkbox"/> General System Trouble |
| <input type="checkbox"/> Fire Trouble Alarm | <input type="checkbox"/> General System Supervisory |

[350] Maintenance Restoral Reporting Codes

(Section 5.8 "Communicator – Reporting Codes")

- | | |
|--|--|
| <input type="checkbox"/> Battery Trouble Restoral | <input type="checkbox"/> Auxiliary Power Supply Trouble Restoral |
| <input type="checkbox"/> AC Failure Trouble Restoral | <input type="checkbox"/> TLM Restoral |
| <input type="checkbox"/> Bell Circuit Trouble Restoral | <input type="checkbox"/> General System Trouble Restore |
| <input type="checkbox"/> Fire Trouble Restoral | <input type="checkbox"/> General System Supervisory Restore |

[351] Miscellaneous Maintenance Reporting Codes

(Section 5.8 "Communicator – Reporting Codes")

- Phone Number 1 Failure to Communicate Restore
- Phone Number 2 Failure to Communicate Restore
- Event Buffer is 75% Full Since Last Upload
- DLS Lead IN
- DLS Lead OUT
- General Zone Trouble Alarm
- General Zone Trouble Restore
- Delinquency Code

[352] Test Transmission Reporting Codes

(Section 5.8 "Communicator – Reporting Codes")

- Periodic Test Transmission LINKS 1000 Test Transmission Code*
- 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")

- General Zone Low Battery Alarm General Zone Low Battery Restore

[360] Communicator Format Options

(Section 5.9 "Communicator – Reporting Formats")



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

Default

- 02 0 4 1st Phone Number
- 02 0 4 2nd Phone Number
- 01** 20 BPS, 1400 HZ handshake **03** DTMF CONTACT ID **05** Pager
- 02** 20 BPS, 2300 HZ handshake **04** SIA FSK

[361] Alarm/Restore Communicator Call Directions

(Section 5.5 "Communicator – Dialing")

- | | | | |
|---|------------|----------------------------------|----------|
| Default | Option | ON | OFF |
| ON <input checked="" type="checkbox"/> ON | 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")

- | | | | |
|--|------------|----------------------------------|----------|
| Default | Option | ON | OFF |
| ON <input checked="" type="checkbox"/> OFF | 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")

- | | | | |
|--|------------|----------------------------------|----------|
| Default | Option | ON | OFF |
| ON <input checked="" type="checkbox"/> OFF | 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")

Default	Option	ON	OFF
ON	<input checked="" 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")

Default	Option	ON	OFF
ON	<input checked="" 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	



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

[370] Communication Variables

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

*Depends on programming in section [380], option [8].

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

[371] Test Transmission Time of Day

(Section 5.14 "Test Transmission")

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

[380] First Communicator Option Code

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

[381] Second Communicator Option Code

Default		Option	ON	OFF	Section
OFF	<input type="checkbox"/>	1	Open After Alarm Kypd Ringback enabled	Open After Alarm Kypd Ringback disabled	5.17
OFF	<input type="checkbox"/>	2	Open After Alarm Bell Ringback enabled	Open After Alarm Bell Ringback disabled	5.17
OFF	<input type="checkbox"/>	3	SIA Sends Programmed Rep. Codes	SIA Sends Automatic Rep. Codes	5.9
OFF	<input type="checkbox"/>	4	Closing Confirmation Enabled	Closing Confirmation Disabled	5.17
OFF	<input type="checkbox"/>	5-8	For Future Use	—	

[390] LINKS Preamble (First Telephone Number)

(Section 5.26 "LINKS 1000 Cellular Communicator")

Default

FFFF (Program all unused digits with Hex F)

[391] LINKS Preamble (Second Telephone Number)

(Section 5.26 "LINKS 1000 Cellular Communicator")

Default

FFFF (Program all unused digits with Hex F)

[392] LINKS Preamble (Third Telephone Number)

(Section 5.26 "LINKS 1000 Cellular Communicator")

Default

FFFF (Program all unused digits with Hex F)

[393] LINKS Special Function Preamble (All Telephone Numbers)

(Section 5.26 "LINKS 1000 Cellular Communicator")

Default

FFFFFF (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")

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")

1**8****0****0****3****5****8****6****7****2****5**

[403] Downloading Access Code

(Section 5.10 "Downloading")

Default: 1555 **8****5****6****2** Enter 4 HEX digits

[404] Panel Identification Code

(Section 5.10 "Downloading")

Default: 1555 Enter 4 HEX digits

[405] Answering Machine Double-call Timer

(Section 5.10 "Downloading")

Default: 060 **0****3****0** (Valid entries are 001-255 seconds)

[406] Number of Rings to Answer On
 (Section 5.10 "Downloading")
 Default: 000 0 1 2 (Valid entries are 000-255 rings)

[490] LINKS Preamble (Downloading Telephone Number)
 (Section 5.10 "Downloading")
 Default: FFFF (Program all unused digits with Hex F)

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

Module Programming

[801] PC5400 Printer Module Programming
 Please refer to your PC5400 Installation Manual for installation and programming instructions.

[803] LINKS2X50 Long Range Radio Interface Programming
 Please refer to your LINKS2X50 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]")

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

[903] Module Supervision Field
 (Section 2.6 "Supervision")

[904] Wireless Module Placement Test
 For more information, please refer to your PC5132 Installation Manual

- Select the module / transmitter (Zones 01-8).
- 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 Lockout")

[991] Installer Lockout Disable
 (Section 5.29 "Installer Lockout")

[993] Restore LINKS2X50 Factory Default Programming
 (Section 5.28 "Resetting Factory Defaults")

[996] Restore PC5132 Factory Default Programming
 (Section 5.28 "Resetting Factory Defaults")

[997] Restore PC5400 Factory Default Programming
 (Section 5.28 "Resetting Factory Defaults")

[999] Restore PC1555 Factory Default Programming
 (Section 5.28 "Resetting Factory Defaults")