Now classified in accordance with ANSI/SIA CP-01-2000 (SIA-FAR)

Programming Worksheets
PC1555 CP-01

DSC® Power632®
SECURITY SYSTEM

PC1555 CP-01 version 3.2
DLS2002 and higher

Page references below are to the accompanying Installation Manual. The programming sections are in numeric order in the present publication.

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Section 1: For the Record

Account Information

Customer:_____

Address:_____

Telephone:_____Installation Date:_____

Installer's Code:_____

Module and Keypad Information

Module Name	Description	Location
PC1555 CP-01	Main Panel	
PC5132	Wireless Receiver 1	
PC5132	Wireless Receiver 2	
PC5132	Wireless Receiver 3	
PC5132	Wireless Receiver 4	
PC5200	Power Supply Module 1	
PC5200	Power Supply Module 2	
PC5200	Power Supply Module 3	
PC5200	Power Supply Module 4	
PC5204	Power Supply Output Module	
PC5208	Low-Current Output Module	
PC5936	Audio Interface Module	
Escort5580	Voice Prompt Module	
PC5400	Serial Printer Module	
PC5400	DVACS* Module	
LINKS1000	Cellular Communicator	
LINKS2X50	Long Range Radio	
Skyroute	Transceiver	
Keypads	**Keypad Type**	**Location**
Keypad 1		
Keypad 2		
Keypad 3		
Keypad 4		
Keypad 5		
Keypad 6		
Keypad 7		
Keypad 8		

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Zone Programming Summary

Zone programming can be found in sections [001] - [002], [101] - [132], [020] and [202] - [205]. Use this area to record a summary of your zone programming. Refer to, for instructions on programming zone labels.

System Zone	Zone Label	Zone Type	Zone Attributes* 1 2 3 4 5 6 7 8	9	Serial Number (Wireless)
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
31					
32					

***Zone Attributes:**

Option 1: Audible/Silent
Option 2: Steady/Pulsed
Option 3: Chime
Option 4: Bypass
Option 5: Force Arming
Option 6: Swinger Shutdown
Option 7: Transmission Delay
Option 8: Wireless
Option 9: Cross Zone

Section 2: Keypad Programming

[000] Keypad Enrollment

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

[0] Slot address [Valid entries are 0-1 for the partition, 1-8 for the slot. (e.g., to enroll a keypad in Partition 1 and slot 1, enter (11)]

[1] Function Key 1 Assignment (Valid entries are 00-32)

[2] Function Key 2 Assignment (Valid entries are 00-32)

[3] Function Key 3 Assignment (Valid entries are 00-32)

[4] Function Key 4 Assignment (Valid entries are 00-32)

[5] Function Key 5 Assignment (Valid entries are 00-32)

Function Key Options:

00 Not used
01 Select Partition 1
02 For Future Use
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] Access Code Programming
12 [*][6] User Functions
13 Command Output #1 [*][7][1]
14 Command Output #2 [*][7][2]/Sensor Reset
15 General Voice Prompted Help
16 [*][0] Quick Exit
17 [*][1] Reactivate Stay/Away Zones
18 Identified Voice Prompted Help
19 Command Output 3 [*][7][3]
20 For Future Use
21 Command Output 4 [*][7][4]
22 For Future Use
23 Bypass Recall
24 Recall Bypass Group
25 For Future Use
26 For Future Use

	Partition/ Slot	Function Key 1	Function Key 2	Function Key 3	Function Key 4	Function Key 5
LCD 5501/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	____	____	____	____	____	____

Section 3: Basic Programming

Zone Definitions

00 Null Zone (Not Used)
01 Delay 1*
02 Delay 2*
03 Instant*
04 Interior*
05 Interior, Stay/Away*
06 Delay, Stay/Away*
07 Delayed 24 Hour Fire (Hardwired)**
08 Standard 24 Hour Fire (Hardwired)
09 24 Hour Supervisory
10 24 Hour Supervisory Buzzer*
11 24 Hour Burglary*
12 24 Hour Holdup*
13 24 Hour Gas*
14 24 Hour Heating*
15 24 Hour Auxiliary*
16 24 Hour Panic*
17 24 Hour Emergency*
18 24 Hour Sprinkler*
19 24 Hour Water*
20 24 Hour Freeze*
21 24 Hour Latching Tamper*
22 Momentary Keyswitch Arm*
23 Maintained Keyswitch Arm*
24 LINKS1000 Answer*
25 Interior Delay*
26 24 Hour Non-alarm*
27 Delayed 24 Hour Waterflow
28 Instant 24 Hour Waterflow
29 Auto Verified Fire
30 Fire Supervisory
31 Day Zone*
87 Delay 24 Hour Fire (Wireless)**
88 Standard 24 Hour Fire (Wireless)**

*For burglary applications only
** For residential fire applications only

NOTE: *To use 24-hour Buzzer zones, keypads must be installed .*

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

Section #	Zone #	Default	Zone Defn.
[001]	01	01	___
	02	03	___
	03	03	___
	04	03	___
	05	04	___
	06	04	___
	07	04	___
	08	04	___
	09	00	___
	10	00	___
	11	00	___
	12	00	___
	13	00	___
	14	00	___
	15	00	___
	16	00	___
[002]	17	00	___
	18	00	___
	19	00	___
	20	00	___
	21	00	___
	22	00	___
	23	00	___
	24	00	___
	25	00	___
	26	00	___
	27	00	___
	28	00	___
	29	00	___
	30	00	___
	31	00	___
	32	00	___

System Times and Codes

[005] System Times

NOTE: *Valid entries for Entry Delay is between 030-240, valid entries for Exit Delay is between 045-255.*

[01] Entry/Exit times

030 |___|___|___| Entry Delay 1
030 |___|___|___| Entry Delay 2
060 |___|___|___| Exit Delay

[006] Installer's Code

Default
5555 |___|___|___|___|

[007] Master Code

Default
1234 |___|___|___|___|

[008] Maintenance Code

Default
AAAA |___|___|___|___|

Programmable Output Options

01 Residential Burglary and Fire Bell Output
02 For Future Use
03 Sensor Reset [*][7][2]
04 2 Wire Smoke Support (PGM 2 only)
05 System Armed Status
06 Ready To Arm
07 Keypad Buzzer Follow Mode
08 Courtesy Pulse
09 System Trouble Output (with Trouble options)
10 System Event [Strobe (with Event options)]
11 System Tamper (all sources: zones, keypad, modules)
12 TLM and Alarm
13 Kissoff Output
14 Ground Start Pulse
15 Remote Operation (DLS2002 Support)
16 LINKS1000 Support (PGM1 only)
17 Away Armed Status
18 Stay Armed Status
19 Command Output #1 ([*][7][1])
20 Command Output #2 ([*][7][2])
21 Command Output #3 ([*][7][3])
22 Command Output #4 ([*][7][4])
23 24 Hour Silent Input
24 24 Hour Audible Input
25 Delayed Fire and Burglary Output

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

[009] PGM1 and PGM2 Output Programming (Main Panel)

NOTE: *Program PGM Option Attributes in sections [501] - [514]. Program PGM System Assignment in sections [551] - [564].*

Default			Default		
19	|___|___|	PGM 1	10	|___|___|	PGM 2

[010] PGM3 to PGM10 Output Programming (Main Panel/PC5208)

NOTE: *Program PGM Option Attributes in sections [501] - [514]. Program PGM System Assignment in sections [551] - [564].*

Default			Default		
01	|___|___|	PGM 3 (main panel/PC5208)*	01	|___|___|	PGM 7 (PC5208)
01	|___|___|	PGM 4 (main panel/PC5208)*	01	|___|___|	PGM 8 (PC5208)
01	|___|___|	PGM 5 (PC5208)	01	|___|___|	PGM 9 (PC5208)
01	|___|___|	PGM 6 (PC5208)	01	|___|___|	PGM 10 (PC5208)

NOTE: *These two sections allow you to program the first two PGM outputs on the PC5208.*

[011] PGM11 to PGM14 Output Programming (PC5204)

NOTE: *Program PGM Option Attributes in sections [501] - [514]. Program PGM System Assignment in sections [551] - [564]*

Default			Default		
01	|___|___|	PGM 11	01	|___|___|	PGM 13
01	|___|___|	PGM 12	01	|___|___|	PGM 14

Other System Options

[012] Keypad Lockout Options

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
OFF	⌊___⌋	1	Normally Closed Loops	End-of-Line Resistors
OFF	⌊___⌋	2	Double End-of-Line Resistors	Single End-of-Line Resistors
ON*	⌊___⌋	3	Panel shows all troubles when armed	Panel shows only Fire troubles when armed
OFF	⌊___⌋	4	Tampers/Faults do not show as open	Tampers/Faults show as open
ON	⌊___⌋	5	Auto-arm Schedule in [*][6]	Auto-arm Schedule in Installer Programming Only
ON	⌊___⌋	6	Audible Exit Fault Enabled	Audible Exit Fault Disabled
ON	⌊___⌋	7	Event Buffer Follows Swinger Shutdown	Event Buffer Logs Events Past shutdown
OFF	⌊___⌋	8	Temporal Three Fire Signal Enabled	Standard Pulsed Fire Signal

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

[014] Second System Option Code

Default		Option	ON	OFF
OFF	⌊___⌋	1	Arm / Disarm Bell Squawk enabled	Arm / Disarm Bell Squawk disabled
OFF	⌊___⌋	2	Bell Squawk During Auto Arm	No Bell Squawk During Auto Arm
OFF	⌊___⌋	3	Bell Squawk On Exit Delay	No Bell Squawk On Exit Delay
OFF	⌊___⌋	4	Bell Squawk On Entry Delay	No Bell Squawk On Entry Delay
OFF	⌊___⌋	5	Bell Squawk On Trouble	No Bell Squawk On Trouble
ON	⌊___⌋	6	Audible Exit with Urgency	Silent Exit Delay
OFF	⌊___⌋	7	Exit Delay Termination Enabled	Exit Delay Termination Disabled
OFF	⌊___⌋	8	Residential Fire Bell is Continuous	Residential Fire Bell Follows Bell Cut-off

[015] Third System Option Code

Default		Option	ON	OFF
ON	⌊___⌋	1	Fire Keys Enabled	Fire Keys Disabled
OFF	⌊___⌋	2	Panic Keys Audible (Bell / Beeps)	Panic Keys Silent
OFF	⌊___⌋	3	Quick Exit Enabled	Quick Exit Disabled
ON*	⌊___⌋	4	Quick Arming Enabled/ Function keys do not require code	Quick Arming Disabled/ Function keys require code
OFF**	⌊___⌋	5	Code Required For Bypassing	No Code Required
OFF	⌊___⌋	6	Master Code Not Changeable	Master Code Changeable
ON	⌊___⌋	7	TLM Enabled	TLM Disabled
OFF	⌊___⌋	8	TLM Audible (Bell) When Armed	TLM Trouble Beeps When Armed

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

**If option [5] is ON, function keys programmed as [08] Bypass will require an access code when used, even if option [4] is also on.

[016] Fourth System Option Code

Default		Option	ON	OFF
ON	⌊___⌋	1	AC Trouble Displayed	AC Trouble Not Displayed
OFF	⌊___⌋	2	Trouble Light Flashes if AC Fails	Trouble Light Does Not Follow AC Status
OFF	⌊___⌋	3	Blank Keypad When Not Used	Keypad Active Always
OFF	⌊___⌋	4	Code Required to Remove Keypad Blanking	No Code Required
ON	⌊___⌋	5	Keypad Backlighting is enabled	Keypad Backlighting is disabled
OFF	⌊___⌋	6	Power Save Mode enabled	Power Save Mode disabled
OFF	⌊___⌋	7	Bypass Status Displayed While Armed	Bypass Status Not Displayed While Armed
OFF	⌊___⌋	8	Keypad Tampers enabled	Keypad Tampers disabled

[017] Fifth System Option Code

Default	Option	ON	OFF
ON	1	WLS Key Does Not Use Access Codes*	WLS Key Uses Access Codes
OFF	2	RF Jam Log After 5 Minutes	RF Jam Log After 30 Seconds
OFF	3	Audible RF Jam Trouble Beeps	Silent RF Trouble Jam Beeps
OFF	4	Double Hit Enabled	Double Hit Disabled
OFF	5	Late to Close Enabled	Late to Close Disabled
OFF	6	Daylight Savings Time Enabled	Daylight Savings Time Disabled
ON	7	For Future Use	For Future Use
OFF	8	Squawk on Away Key Arming/Disarming Only	Bell Squawk on all Arming/Disarming‡

**This option must be enabled when using a PC5132 v2.1 or earlier. / ‡This option is supplemental to Section 14 Option 1*

[018] Sixth System Option Code

Default	Option	ON	OFF
OFF	1	Test Transmission Exception Enabled	Test Transmission Exception Disabled
OFF	2	Verbal Chime Enabled	Verbal Chime Disabled
OFF	3	Verbal Alarm Enabled	Verbal Alarm Disabled
OFF	4	Water-Flow Silence Inhibit Enabled	Water-Flow Silence Inhibit Disabled
OFF	5	Keypad Buzzer Follows Bell Enabled	Keypad Buzzer Follows Bell Disabled
OFF	6	Cross Zoning Enabled	Cross Zoning Disabled
ON	7	Exit Delay Restart Enabled	Exit Delay Restart Disabled
OFF	8	AC Trouble Beeps Enabled	AC Trouble Beeps Disabled

NOTE: *For Cross Zoning to function, Option[6] in Section [018] and Option [9] in Section [101]-[132] must be ON for the desired zone. Each zone has the ability to protect the intended area. Cross Zoning is not recommended for line security installations or on exit/entry zone types.*

Keypad Zone Assignments

[020] Keypad Zone Assignments

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

Default		
00	Keypad (slot 1) Zone	Valid entries are zones 01-32
00	Keypad (slot 2) Zone	Valid entries are zones 01-32
00	Keypad (slot 3) Zone	Valid entries are zones 01-32
00	Keypad (slot 4) Zone	Valid entries are zones 01-32
00	Keypad (slot 5) Zone	Valid entries are zones 01-32
00	Keypad (slot 6) Zone	Valid entries are zones 01-32
00	Keypad (slot 7) Zone	Valid entries are zones 01-32
00	Keypad (slot 8) Zone	Valid entries are zones 01-32

Zone Loop Response Option Code

[030] Sixth System Option Code

Default	Option	ON	OFF
OFF	1	Zone 1 is Fast Loop Response	Zone 1 is Normal Loop Response
OFF	2	Zone 2 is Fast Loop Response	Zone 2 is Normal Loop Response
OFF	3	Zone 3 is Fast Loop Response	Zone 3 is Normal Loop Response
OFF	4	Zone 4 is Fast Loop Response	Zone 4 is Normal Loop Response
OFF	5	Zone 5 is Fast Loop Response	Zone 5 is Normal Loop Response
OFF	6	Zone 6 is Fast Loop Response	Zone 6 is Normal Loop Response
OFF	7	For Future Use	
OFF	8	For Future Use	

Section 4: Advanced System Programming

Zone Attributes

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

Attribute:	1	2	3	4	5	6	7	8	9
ON	Audible	Steady	Chime	Bypass	Force	Swing	Tx. Delay	Wireless Zn	Cross Zn
OFF	Silent	Pulsed	No	No	No	No	No	No	No
Zone Type:									
00 Null Zone	N	N	N	N	N	N	N	N	N
01 Delay 1	Y	Y	Y	Y	N	Y	Y	N	N
02 Delay 2	Y	Y	Y	Y	N	Y	Y	N	N
03 Instant	Y	Y	Y	Y	N	Y	Y	N	N
04 Interior	Y	Y	N	Y	N	Y	Y	N	N
05 Int. Stay/Away	Y	Y	N	Y	Y	Y	Y	N	N
06 Dly. Stay/Away	Y	Y	N	Y	Y	Y	Y	N	N
07 Dly. 24hr Fire (Hardw.)	Y	N	N	N	N	N	N	N	N
08 Stand. 24hr Fire (Hardw.)	Y	N	N	N	N	N	N	N	N
09 24hr Superv.	N	Y	N	N	Y	Y	Y	N	N
10 24hr Superv. Buzzer	N	Y	N	Y	N	Y	Y	N	N
11 24hr Burglary	Y	Y	N	Y	N	Y	Y	N	N
12 24hr Holdup	N	Y	N	N	N	Y	Y	N	N
13 24hr Gas	Y	N	N	N	N	Y	Y	N	N
14 24hr Heating	Y	N	N	N	N	Y	Y	N	N
15 24hr Medical	Y	Y	N	N	N	Y	Y	N	N
16 24hr Panic	Y	Y	N	N	N	Y	Y	N	N
17 24hr Emergency	Y	Y	N	N	N	Y	Y	N	N
18 24hr Sprinkler	Y	Y	N	N	N	Y	Y	N	N
19 24hr Water	Y	Y	N	N	N	Y	Y	N	N
20 24hr Freeze	Y	Y	N	N	N	Y	Y	N	N
21 24hr Latching Tamper	Y	Y	N	N	N	Y	Y	N	N
22 Momentary Keyswitch	N	N	N	N	Y	N	N	N	N
23 Maintained Keyswitch	N	N	N	N	Y	N	N	N	N
24 LINKS Answer	N	N	N	N	Y	N	N	N	N
25 Interior Delay	Y	Y	N	Y	N	Y	Y	N	N
26 24hr Non-alarm	N	N	N	N	Y	N	N	N	N
27 Delayed 24hr Waterflow	Y	N	N	N	N	N	N	N	N
28 Instant 24hr Waterflow	Y	N	N	N	N	N	N	N	N
29 Auto Verified Fire	Y	N	N	N	N	N	N	N	N
30 Fire Supervisory	N	N	N	N	N	N	N	N	N
31 Day Zone	Y	Y	N	Y	Y	Y	Y	N	N
87 Dly. 24hr Fire (Wireless)	Y	N	N	N	N	N	N	Y	N
88 Stand. 24hr Fire (Wireless)	Y	N	N	N	N	N	N	Y	N

Section	Zone #	Zone Type**	Audible/ Silent 1	Steady/ Pulsed 2	Chime No 3	Bypass No 4	Force No 5	Swing No 6	Tx. Delay No 7	Wireless No 8	Cross Zn No 9
[101]	01	( )	|___|	|___|	|___|	|___|	|___|	|___|	|___|	|___|	|___|
[102]	02	( )	|___|	|___|	|___|	|___|	|___|	|___|	|___|	|___|	|___|
[103]	03	( )	|___|	|___|	|___|	|___|	|___|	|___|	|___|	|___|	|___|
[104]	04	( )	|___|	|___|	|___|	|___|	|___|	|___|	|___|	|___|	|___|
[105]	05	( )	|___|	|___|	|___|	|___|	|___|	|___|	|___|	|___|	|___|
[106]	06	( )	|___|	|___|	|___|	|___|	|___|	|___|	|___|	|___|	|___|
[107]	07	( )	|___|	|___|	|___|	|___|	|___|	|___|	|___|	|___|	|___|
[108]	08	( )	|___|	|___|	|___|	|___|	|___|	|___|	|___|	|___|	|___|
[109]	09	( )	|___|	|___|	|___|	|___|	|___|	|___|	|___|	|___|	|___|
[110]	10	( )	|___|	|___|	|___|	|___|	|___|	|___|	|___|	|___|	|___|
[111]	11	( )	|___|	|___|	|___|	|___|	|___|	|___|	|___|	|___|	|___|
[112]	12	( )	|___|	|___|	|___|	|___|	|___|	|___|	|___|	|___|	|___|
[113]	13	( )	|___|	|___|	|___|	|___|	|___|	|___|	|___|	|___|	|___|
[114]	14	( )	|___|	|___|	|___|	|___|	|___|	|___|	|___|	|___|	|___|

Section	Zone #	Zone Type**	Audible/ Silent 1	Steady/ Pulsed 2	Chime No 3	Bypass No 4	Force No 5	Swing No 6	Tx. Delay No 7	Wireless No 8	Cross Zn No 9
[115]	15	( )	___	___	___	___	___	___	___	___	___
[116]	16	( )	___	___	___	___	___	___	___	___	___
[117]	17	( )	___	___	___	___	___	___	___	___	___
[118]	18	( )	___	___	___	___	___	___	___	___	___
[119]	19	( )	___	___	___	___	___	___	___	___	___
[120]	20	( )	___	___	___	___	___	___	___	___	___
[121]	21	( )	___	___	___	___	___	___	___	___	___
[122]	22	( )	___	___	___	___	___	___	___	___	___
[123]	23	( )	___	___	___	___	___	___	___	___	___
[124]	24	( )	___	___	___	___	___	___	___	___	___
[125]	25	( )	___	___	___	___	___	___	___	___	___
[126]	26	( )	___	___	___	___	___	___	___	___	___
[127]	27	( )	___	___	___	___	___	___	___	___	___
[128]	28	( )	___	___	___	___	___	___	___	___	___
[129]	29	( )	___	___	___	___	___	___	___	___	___
[130]	30	( )	___	___	___	___	___	___	___	___	___
[131]	31	( )	___	___	___	___	___	___	___	___	___
[132]	32	( )	___	___	___	___	___	___	___	___	___

**Record here based on programming in sections [001] - [002]

System Timers

[165] Maximum Dialing Attempts to Each Telephone Number

Default: 007 |___|___|___| Valid entries are 001-015 attempts (do not enter 000).

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

Default: 040 |___|___|___| Valid entries are 001-255 seconds

[167] T-LINK Interface Communications Wait for Acknowledge

Default: 020 |___|___|___| Valid entries are 001-255 seconds

[170] PGM Output Timer

Default: 005 |___|___|___| Valid entries are 001-255 seconds

[175] Auto-arm Postpone Timer

Default: 000 |___|___|___| Valid entries are 001-255 minutes, 000 allows automatic arming to be cancelled

[176] Cross Zone/Police Code Timer

Default: 060 |___|___|___| Valid entries are 001-255 seconds/minutes

NOTE: *The total delay time (combination of control plus waterflow device) for a waterflow zone alarm is not to exceed 120 seconds.*

[177] Waterflow Delay Timer

Default: 000 |___|___|___| Valid entries are 000-090 seconds

[178] Alarm Tone Verified for Verbal Alarm

Default: 015 |___|___|___| Valid entries are 001-255 seconds

Automatic Arming Schedule

Enter a four-digit number (HH:MM) for each day that the system will Auto-arm. All entries are disabled (9999) by default. Valid entries are 0000-2359.

Section #	Day of the Week	Time of Day
[181]	Sunday	____:____
	Monday	____:____
	Tuesday	____:____
	Wednesday	____:____
	Thursday	____:____
	Friday	____:____
	Saturday	____:____

[190] No Activity Arming Pre-Alert Time
Default

001 _____ Valid entries are 001-255 minutes, 000 for no pre-alert

No Activity Arming Timers
Section

[191] _____ Valid entries are 001-255 minutes, 000 to disable

NOTE: *Default is [000].*

[199] Auto-arming Pre-Alert Timer

Default: 005 _____ Valid entries are 001-255 minutes

Section 5: Partition and Zone Programming

Assigning Zones to the System

Program which zones will be assigned to the system in sections [202] to [205]. Program zone definitions in sections [001] - [002] and zone attributes in sections [101] - [132]. Program keypad zone assignments in section [020].

NOTE: *By default, zones 1 through 6 are assigned to the system. All other zones are not assigned to the system.*

ON = Assigned to system; OFF = Not assigned to system

Section	Zone:							
[202]	01	02	03	04	05	06	07	08
[203]	09	10	11	12	13	14	15	16
[204]	17	18	19	20	21	22	23	24
[205]	25	26	27	28	29	30	31	32

Section 6: Communicator Programming

Telephone Numbers

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

[301] First Telephone Number (32 Digits)

|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|

[302] Second Telephone Number (32 Digits)

|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|

[303] Third Telephone Number (32 Digits)

|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|

[304] Call Waiting Cancel String (6 Digits)

|___|___|___|___|___|___| Default = DB70EF Program unused digits with Hex F

NOTE: *All six digits must be entered for changes to be saved. Fill unused digit spaces with 'F'*

NOTE: *When using T-Link, program DCAA as the phone number.*

Account Codes

Enter a six-digit account number for the system account code. Only SIA supports six digit account codes. If the last two digits of the account code are FF, the panel will only use the first four digits.

Section	System Account Code
[310]	|___|___|___|___|___|___|

Enter a 4-digit account number for active partition.

Section	Partition Account Code
[311]	|___|___|___|___|

Reporting Codes

Alarm Reporting Codes, Zones 01-32

Note: *All reporting codes are defaulted to FF.*

Section								
[320]	Zone 01	Zone 02	Zone 03	Zone 04	Zone 05	Zone 06	Zone 07	Zone 08
	|___|___|	|___|___|	|___|___|	|___|___|	|___|___|	|___|___|	|___|___|	|___|___|
	Zone 09	Zone 10	Zone 11	Zone 12	Zone 13	Zone 14	Zone 15	Zone 16
	|___|___|	|___|___|	|___|___|	|___|___|	|___|___|	|___|___|	|___|___|	|___|___|
[321]	Zone 17	Zone 18	Zone 19	Zone 20	Zone 21	Zone 22	Zone 23	Zone 24
	|___|___|	|___|___|	|___|___|	|___|___|	|___|___|	|___|___|	|___|___|	|___|___|
	Zone 25	Zone 26	Zone 27	Zone 28	Zone 29	Zone 30	Zone 31	Zone 32
	|___|___|	|___|___|	|___|___|	|___|___|	|___|___|	|___|___|	|___|___|	|___|___|

Alarm Restoral Reporting Codes, Zones 01-32

Section								
[324]	Zone 01	Zone 02	Zone 03	Zone 04	Zone 05	Zone 06	Zone 07	Zone 08
	|___|___|	|___|___|	|___|___|	|___|___|	|___|___|	|___|___|	|___|___|	|___|___|
	Zone 09	Zone 10	Zone 11	Zone 12	Zone 13	Zone 14	Zone 15	Zone 16
	|___|___|	|___|___|	|___|___|	|___|___|	|___|___|	|___|___|	|___|___|	|___|___|
[325]	Zone 17	Zone 18	Zone 19	Zone 20	Zone 21	Zone 22	Zone 23	Zone 24
	|___|___|	|___|___|	|___|___|	|___|___|	|___|___|	|___|___|	|___|___|	|___|___|
	Zone 25	Zone 26	Zone 27	Zone 28	Zone 29	Zone 30	Zone 31	Zone 32
	|___|___|	|___|___|	|___|___|	|___|___|	|___|___|	|___|___|	|___|___|	|___|___|

[328] Miscellaneous Alarm Reporting Codes

- |___|___| Duress Alarm
- |___|___| Opening After Alarm
- |___|___| Recent Closing
- |___|___| Zone Expander Supervisory Alarm
- |___|___| Zone Expander Supervisory Restore
- |___|___| Cross Zone Police Code Alarm
- |___|___| Burglary Not Verified
- |___|___| Alarm Cancelled

[329] Priority Alarm and Restoral

- |___|___| Keypad Fire Alarm
- |___|___| Keypad Auxiliary Alarm
- |___|___| Keypad Panic Alarm
- |___|___| Auxiliary Input Alarm
- |___|___| Keypad Fire Restoral
- |___|___| Keypad Auxiliary Restoral
- |___|___| Keypad Panic Restoral
- |___|___| Auxiliary Input Restore

Tamper Reporting Codes, Zones 01-32

Section								
[330]	Zone 01	Zone 02	Zone 03	Zone 04	Zone 05	Zone 06	Zone 07	Zone 08
	|___|___|	|___|___|	|___|___|	|___|___|	|___|___|	|___|___|	|___|___|	|___|___|
	Zone 09	Zone 10	Zone 11	Zone 12	Zone 13	Zone 14	Zone 15	Zone 16
	|___|___|	|___|___|	|___|___|	|___|___|	|___|___|	|___|___|	|___|___|	|___|___|
[331]	Zone 17	Zone 18	Zone 19	Zone 20	Zone 21	Zone 22	Zone 23	Zone 24
	|___|___|	|___|___|	|___|___|	|___|___|	|___|___|	|___|___|	|___|___|	|___|___|
	Zone 25	Zone 26	Zone 27	Zone 28	Zone 29	Zone 30	Zone 31	Zone 32
	|___|___|	|___|___|	|___|___|	|___|___|	|___|___|	|___|___|	|___|___|	|___|___|

Tamper Restoral Reporting Codes, Zones 01-32

Section								
[334]	Zone 01	Zone 02	Zone 03	Zone 04	Zone 05	Zone 06	Zone 07	Zone 08
	|___|___|	|___|___|	|___|___|	|___|___|	|___|___|	|___|___|	|___|___|	|___|___|
	Zone 09	Zone 10	Zone 11	Zone 12	Zone 13	Zone 14	Zone 15	Zone 16
	|___|___|	|___|___|	|___|___|	|___|___|	|___|___|	|___|___|	|___|___|	|___|___|
[335]	Zone 17	Zone 18	Zone 19	Zone 20	Zone 21	Zone 22	Zone 23	Zone 24
	|___|___|	|___|___|	|___|___|	|___|___|	|___|___|	|___|___|	|___|___|	|___|___|
	Zone 25	Zone 26	Zone 27	Zone 28	Zone 29	Zone 30	Zone 31	Zone 32
	|___|___|	|___|___|	|___|___|	|___|___|	|___|___|	|___|___|	|___|___|	|___|___|

[338] Miscellaneous Tamper Reporting Codes

- |___|___| General System Tamper
- |___|___| General System Tamper Rest.
- |___|___| Keypad Lockout

Closing (Arming) Reporting Codes, Access Codes 1-32

Section								
[339]	Code 1	Code 2	Code 3	Code 4	Code 5	Code 6	Code 7	Code 8
	|___|___|	|___|___|	|___|___|	|___|___|	|___|___|	|___|___|	|___|___|	|___|___|
	Code 9	Code 10	Code 11	Code 12	Code 13	Code 14	Code 15	Code 16
	|___|___|	|___|___|	|___|___|	|___|___|	|___|___|	|___|___|	|___|___|	|___|___|
[340]	Code 17	Code 18	Code 19	Code 20	Code 21	Code 22	Code 23	Code 24
	|___|___|	|___|___|	|___|___|	|___|___|	|___|___|	|___|___|	|___|___|	|___|___|
	Code 25	Code 26	Code 27	Code 28	Code 29	Code 30	Code 31	Code 32
	|___|___|	|___|___|	|___|___|	|___|___|	|___|___|	|___|___|	|___|___|	|___|___|

[341] Miscellaneous Closing (Arming) Reporting Codes

|___|___| Closing by Duress Code 33
|___|___| Closing by Duress Code 34
|___|___| Closing by Master Code 40
|___|___| Closing by Supervisory Code 41
|___|___| Closing by Supervisory Code 42
|___|___| Partial Closing
|___|___| Special Closing
|___|___| Late to Close
|___|___| Exit Fault

Opening (Disarming) Reporting Codes, Access Codes 1-32

Section								
[342]	Code 1	Code 2	Code 3	Code 4	Code 5	Code 6	Code 7	Code 8
	|___|___|	|___|___|	|___|___|	|___|___|	|___|___|	|___|___|	|___|___|	|___|___|
	Code 9	Code 10	Code 11	Code 12	Code 13	Code 14	Code 15	Code 16
	|___|___|	|___|___|	|___|___|	|___|___|	|___|___|	|___|___|	|___|___|	|___|___|
[343]	Code 17	Code 18	Code 19	Code 20	Code 21	Code 22	Code 23	Code 24
	|___|___|	|___|___|	|___|___|	|___|___|	|___|___|	|___|___|	|___|___|	|___|___|
	Code 25	Code 26	Code 27	Code 28	Code 29	Code 30	Code 31	Code 32
	|___|___|	|___|___|	|___|___|	|___|___|	|___|___|	|___|___|	|___|___|	|___|___|

[344] Miscellaneous Opening (Disarming) Reporting Codes

|___|___| Opening by Duress Code 33
|___|___| Opening by Duress Code 34
|___|___| Opening by Master Code 40
|___|___| Opening by Supervisory Code 41
|___|___| Opening by Supervisory Code 42
|___|___| Auto Arm Cancellation
|___|___| Special Opening

[345] Maintenance Alarm Reporting Codes

|___|___| Battery Trouble Alarm
|___|___| AC Failure Trouble Alarm
|___|___| Bell Circuit Trouble Alarm
|___|___| Fire Trouble Alarm
|___|___| Auxiliary Power Supply Trouble Alarm
|___|___| TLM Trouble Code (via LINKS)
|___|___| General System Trouble
|___|___| General System Supervisory

[346] Maintenance Restoral Reporting Codes

|___|___| Battery Trouble Restoral
|___|___| AC Failure Trouble Restoral
|___|___| Bell Circuit Trouble Restoral
|___|___| Fire Trouble Restoral
|___|___| Auxiliary Power Supply Trouble Restoral
|___|___| TLM Restoral
|___|___| General System Trouble Restore
|___|___| General System Supervisory Restore

[347] Miscellaneous Maintenance Reporting Codes

|__|__| Telephone Number 1 FTC Restore

|__|__| Telephone Number 2 FTC Restore

|__|__| Event Buffer 75% Full Since Last Upload

|__|__| DLS Lead IN

|__|__| DLS Lead OUT

|__|__| Zone Fault Alarm

|__|__| Zone Fault Restore

|__|__| Delinquency Code

|__|__| General Zone Low Battery Alarm

|__|__| General Zone Low Battery Restoral

|__|__| Installer Lead Out

|__|__| Installer Lead In

[348] Test Transmission Reporting Codes

|__|__| Walk Test End

|__|__| Walk Begin

|__|__| Periodic Test Transmission with Trouble

|__|__| Periodic Test Transmission

|__|__| System Test

|__|__| LINKS1000 Test Transmission Code*

*The LINKS1000 Test Transmission Code must be programmed as "00" for the LINKS1000 Test Transmission to be disabled.

[350] Communicator Format Options

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

Default

04 |__|__| 1st/3rd Telephone Number

04 |__|__| 2nd Telephone Number

01 20 BPS, 1400 HZ handshake
02 20 BPS, 2300 HZ handshake
03 DTMF CONTACT ID
04 SIA FSK
05 Pager
06 Residential Dial
07 10 BPS, 1400Hz handshake
08 10 BPS, 2300Hz handshake

Call Direction Options

Alarm/Restore Communicator Call Directions

Section	Option:	1 1st Telephone Number	2 2nd Telephone Number	3 1st Telephone Number (via LINKS1000)	4 2nd Telephone Number (via LINKS1000)	5 Alternate Communicator	6,7,8 For Future Use
	Defaults:	**ON**	**OFF**	**OFF**	**OFF**	**ON**	
[351]							

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

Tamper/Restore Communicator Call Directions

Section	Option:	1 1st Telephone Number	2 2nd Telephone Number	3 1st Telephone Number (via LINKS1000)	4 2nd Telephone Number (via LINKS1000)	5 Alternate Communicator	6,7,8 For Future Use
	Defaults:	**ON**	**OFF**	**OFF**	**OFF**	**ON**	
[359]							

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

Opening/Closing Communicator Call Directions

Section	Option:	1 1st Telephone Number	2 2nd Telephone Number	3 1st Telephone Number (via LINKS1000)	4 2nd Telephone Number (via LINKS1000)	5 Alternate Communicator	6,7,8 For Future Use
	Defaults:	ON	OFF	OFF	OFF	ON	
[367]							

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

System Maintenance Communicator Call Directions

Section	Option:	1 1st Telephone Number	2 2nd Telephone Number	3 1st Telephone Number (via LINKS1000)	4 2nd Telephone Number (via LINKS1000)	5 Alternate Communicator	6,7,8 For Future Use
	Defaults:	ON	OFF	OFF	OFF	ON	
[375]							

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

System Test Transmissions Communicator Call Directions

Section	Option:	1 1st Telephone Number	2 2nd Telephone Number	3 1st Telephone Number (via LINKS1000)	4 2nd Telephone Number (via LINKS1000)	5 Alternate Communicator	6,7,8 For Future Use
	Defaults:	ON	OFF	OFF	OFF	ON	
[376]							

NOTE: *The LINKS1000 backup call directions will follow the programming in Sections 351-376, above.*

[377] Communication Variables

Default			
001	___ ___ ___	Swinger Shutdown (Alarms and Rest)	(001-002 Transmissions)
003	___ ___ ___	Swinger Shutdown (Tampers and Rest)	(001-014 Transmissions, 000=disabled)
003	___ ___ ___	Swinger Shutdown (Maint and Rest)	(001-014 Transmissions, 000=disabled)
030	___ ___ ___	Communication Delay	(015-045 seconds)
030	___ ___ ___	AC Failure Communication Delay	(001-255 minutes)
003	___ ___ ___	TLM Trouble Delay	(No. of checks required - valid entries 003 - 255)
030	___ ___ ___	Test Transmission Cycle (land line)	(001-255 days/minutes)†
030	___ ___ ___	Test Transmission Cycle (LINKS1000)	(001-255 days)
007	___ ___ ___	Zone Low Battery Transmission Delay	(000-255 days)
030	___ ___ ___	Delinquency Transmission Cycle	(000-255 days/hours)
005	___ ___ ___	Communications Cancelled Window	(000-255 minutes)

†Depends on programming in section [702], option [3].

NOTE: *For UL installations, the entry delay plus Communication Delay time will not be programmed to exceed 60 seconds.*

NOTE: *To disable the AC failure communications delay, program [000].* *This does not apply to Central and Remote Fire applications.*

[378] Test Transmission Time of Day

Default

9999 |__|__|__|__| Valid entries are 0000-2359, 9999 to disable)

NOTE: *Do not enter [9999] for Central and Remote Fire Applications.*

Communicator Options

[380] First Communicator Option Code

Default		Option	ON	OFF
ON	|__|	1	Communications Enabled	Communications Disabled
OFF	|__|	2	Restorals on Bell Time-out	Restorals Follow Zones
OFF	|__|	3	Pulse Dialing	DTMF Dialing
OFF	|__|	4	Switch to Pulse Dialing on 5th Attempt	DTMF Dial For All Attempts
OFF	|__|	5	3rd Telephone Number enabled	3rd Telephone Number disabled
OFF	|__|	6	Alternate Dial (1st and 3rd)	Call 1st Number, Backup to 3rd
OFF	|__|	7	Call LINKS as well as Land Line	LINKS is Backup of Land Line(s)
OFF	|__|	8	Delinquency Follows Zone Activity (Hours)	Delinquency Follows Arming (Days)

[381] Second Communicator Option Code

Default		Option	ON	OFF
OFF	|__|	1	Open After Alarm Kypd Ringback enabled	Open After Alrm Kypd Ringback disabled
OFF	|__|	2	Open After Alarm Bell Ringback enabled	Open After Alrm Bell Ringback disabled
OFF	|__|	3	SIA Sends Programmed Rep. Codes	SIA Sends Automatic Rep. Codes
OFF	|__|	4	Closing Confirmation Enabled	Closing Confirmation Disabled
ON	|__|	5	Talk/Listen (PC5936) on phone lines 1/3	No Talk/Listen (PC5936) on phone lines 1/3
OFF	|__|	6	Talk/Listen (PC5936) on phone line 2	No Talk/Listen (PC5936) on phone line 2
ON	|__|	7	Contact ID Uses Programmed Rep. Codes	Contact ID Uses Automatic Rep. Codes
OFF	|__|	8	Local Mode Enabled	Local Mode Disabled

[382] Third Communicator Option Code

Default		Option	ON	OFF
OFF	|__|	1	Contact ID. Partial Closing Identifier is 5	Partial Closing ID is 4
OFF	|__|	2	Alarm Communications Enabled During Walk Test*	Alarm Communications Disabled During Walk Test
ON	|__|	3	Communication Cancelled Message Enabled	Communication Cancelled Message Disabled
OFF	|__|	4	Call Waiting Cancel Enabled**	Call Waiting Cancel Disabled
OFF	|__|	5	T-Link Interface Enabled***	T-Link Interface Disabled
OFF	|__|	6	AC Failure Transmission Delay is in Hours†	AC Failure Transmission Delay is in Minutes
OFF	|__|	7-8	For Future Use	

*This option must remain OFF for SIA-FAR installations.

** A Call Waiting Cancel on a non-Call Waiting line will prevent successful connection to the central station.

***T-Link Interface not investigated by UL.

† For central and remote fire applications, this option ***must*** be ON.

LINKS1000 Preambles

NOTE: *Do not use this section for central and remote fire applications.*

[390] LINKS1000 Preamble (First Telephone Number)

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

[391] LINKS1000 Preamble (Second Telephone Number)

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

[392] LINKS1000 Preamble (Third Telephone Number)

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

[393] LINKS1000 Special Function Preamble (All Telephone Numbers)

Default: FFFFFF |__|__|__|__|__|__| (Program all unused digits with Hex F)

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

Section 7: Downloading Options

[401] First Downloading Option Code

Default		Option	ON	OFF
OFF	___	1	Answering machine/double call enabled	Answering machine/double call disabled
ON	___	2	User Can Enable DLS Window	User Cannot Enable DLS Window
OFF	___	3	Call-Back Enabled	Call-Back Disabled
OFF	___	4	User-initiated call-up enabled	User-initiated call-up disabled
OFF	___	5	Auto Event Buffer Upload Enabled	Auto Event Buffer Upload Disabled
OFF	___	6-8	For Future Use	

[402] Downloading Computer's Telephone Number (32 Digits)

|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|

[403] Downloading Access Code

Default: 5020 |___|___|___|___| Enter 4 HEX digits

[404] Panel Identification Code

Default: 5020 |___|___|___|___| Enter 4 HEX digits

[405] Answering Machine Double-call Timer

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

[406] Number of Rings to Answer On

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

[490] LINKS Preamble (Downloading Telephone Number)

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

[499] Initiate PC-Link (Local Downloading)

To begin PC-Link downloading, enter [499][Installer's Code][499].

Section 8: Programmable Output Programming

Programmable Output Attributes

Program only the following attributes for the PGM options listed. All others will be ignored. PGM options are programmed in [009], [010] & [011].

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

Attribute:	1	2	3	4	5	6	7	8
ON	Not used	Not used	True Output	Follows Timer	Code Req.	Not used	Not used	Not used
OFF	—	—	Inverted	On / Off	No Code Req.	—	—	—
PGM Option								
[01] Burg. / Fire Bell			Y					
[02] Future Use								
[03] Sensor Reset			Y		N			
[04] 2-Wire Smoke Support (PGM2 only)			Y					
[05] Armed Status			Y					
[06] Ready To Arm			Y					
[07] Kypd Bzz Follow			Y					
[08] Courtesy Pulse			Y					
[09] System Trouble Output / Trouble Options)	Y	Y	Y	Y	Y	Y	Y	Y
[10] System Event / Event Options)	Y	Y	Y	Y	Y	Y	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					
[18] Stay Armed Status			Y					
[19] Comm. Output #1, [*][7][1]			Y	Y	Y			
[20] Comm. Output #2, [*][7][2]			Y	Y	N			
[21] Comm. Output #3, [*][7][3]			Y	Y	N			
[22] Comm. Output #4, [*][7][4]			Y	Y	N			
[23] Silent 24 Hr (PGM2 only)			Y					
[24] Audible 24 Hr (PGM2 only)			Y					
[25] Delayed Burglary & Fire Bell			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
Main Board										
[501]	1	( )	____	____	____	____	____	____	____	____
[502]	2	( )	____	____	____	____	____	____	____	____
PC5208										
[503]	3	( )	____	____	____	____	____	____	____	____
[504]	4	( )	____	____	____	____	____	____	____	____

*Record here based on programming in [009], [010] and [011].

Section	PGM #	Output Type*	1	2	3	4	5	6	7	8
PC5208										
[505]	5	( )	____	____	____	____	____	____	____	____
[506]	6	( )	____	____	____	____	____	____	____	____
[507]	7	( )	____	____	____	____	____	____	____	____
[508]	8	( )	____	____	____	____	____	____	____	____
[509]	9	( )	____	____	____	____	____	____	____	____
[510]	10	( )	____	____	____	____	____	____	____	____
PC5204										
[511]	11	( )	____	____	____	____	____	____	____	____
[512]	12	( )	____	____	____	____	____	____	____	____
[513]	13	( )	____	____	____	____	____	____	____	____
[514]	14	( )	____	____	____	____	____	____	____	____

*Record here based on programming in [009], [010] and [011].

PGM Output Assignment

Section	PGM #	
Main Board		
[551]	1	____
[552]	2	____
PC5208		
[553]	3	____
[554]	4	____
[555]	5	____
[556]	6	____
[557]	7	____
[558]	8	____
[559]	9	____
[560]	10	____
PC5204		
[561]	11	____
[562]	12	____
[563]	13	____
[564]	14	____

Section 9: International Programming

[700] Clock Adjust

Default: 60 |__|__| Valid entries are 01-99 seconds

[701] First International Options Code

Default	Option	ON	OFF
OFF |__|	1	50 Hz AC	60 Hz AC
OFF |__|	2	Time Base - Internal Crystal	Time Base - AC Line
OFF |__|	3	AC/DC Arming Inhibit Enabled	AC/DC Arming inhibit disabled
OFF |__|	4	All System Tampers Require Installer Reset	All System Tampers follow Restore
OFF |__|	5	6 digit User Access Codes	4 digit User Access Codes
OFF |__|	6	Busy Tone detection enabled	Busy Tone detection disabled
OFF |__|	7	High Current Battery Charge	Standard current battery charge
OFF |__|	8	For Future Use	

[702] Second International Options Code

Default	Option	ON	OFF
OFF |__|	1	Pulse Dialing Make/Break Ratio is 33/67	Pulse Dialing Make/Break Ratio is 40/60
ON |__|	2	Force Dialing Enabled	Force Dialing Disabled
OFF |__|	3	Land Line Test Transmission in Minutes	Land line Test Transmission in Days
OFF |__|	4	1600 Hz Handshake	Standard Handshake
OFF |__|	5	ID Tone Enabled	ID Tone Disabled
OFF |__|	6	2100 Hz ID Tone	1300 Hz ID Tone
OFF |__|	7	One Time 1-Hr User Enabled DLS Window	Full 6-Hr User Enabled DLS Window
OFF |__|	8	Bell on FTC when Armed	FTC Trouble only when Armed

[703] Delay Between Dialing Attempts

Default:003 |__|__|__| Valid entries are 000-255 Seconds

Section 10: Module Programming

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

[802] PC5936 Audio Interface Programming
Please refer to your PC5936 *Installation Manual* for installation and programming instructions.

[803] Alternate Communicator Programming
Please refer to your LINKS1000, LINKS2X50, Skyroute, PC5400 ADT DVACS or PC5400 Sur-Gard DVACS *Installation Manual* for installation and programming instructions.

[804] PC5132 Wireless Expansion Programming
Please refer to your PC5132 *Installation Manual* for programming locations and instructions.

[851] T-Link Programming
Please refer to your T-Link *Installation Manual* for programming locations and instructions.

***NOTE:** T-Link feature not investigated by UL.*

***NOTE:** To enable T-Link, Option [5] in Section [382] must be ON and the receiver telephone number must be programmed with DCAA in sections [301]-[303].*

Section 11: Special Installer Functions

[901] Installer Walk Test Mode Enable / Disable

[902] Module Supervision Reset

[903] Module Supervision Field

[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

[991] Installer Lockout Disable

[993] Restore Alternate Communicator (LINKS2X50, Skyroute, PC5400) to Factory Default Programming

[995] Restore Escort5580 to Factory Default Programming

[996] Restore PC5132 to Factory Default Programming

[997] Restore PC5400 to Factory Default Programming

[998] Restore PC5936 to Factory Default Programming

[999] Restore PC5019 to Factory Default Programming

Appendix A: Programming LCD5500Z/ LCD5520Z Keypads

If you have an LCD5500Z/LCD5520Z keypad, additional programming is required for proper operation. All LCD programming is done per keypad. If more than one LCD keypad are present on the system, labels programmed at one keypad can be broadcast to all other LCD keypads. Check the software version of the keypad you are programming, and refer to the correct programming instructions.

LCD5500Zv2.x and Lower Keypads

The following is a description of the available programming options and their accompanying programming sections:

How to Enter LCD Programming

Programming LCD keypads is similar to programming the rest of the system. Follow the programming procedure as outlined in Section 3 of the *Installation Manual*.

1. Enter keypad programming by pressing [*][8][Installer's Code].
2. Press the [*] key.
3. Enter the two-digit section number to be programmed.

Programmable Labels

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:

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

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

Default: "Zone 1" - "Zone 32"

[33] Fire Alarm Label (14 Characters)

Default: "Fire Zone" |__|__|__|__|__|__|__|__|__|__|__|__|__|__|

[34] and [35] Partition Labels (14 Characters)

Default: "System" |__|__|__|__|__|__|__|__|__|__|__|__|__|__|

Default: "Partition 2" |__|__|__|__|__|__|__|__|__|__|__|__|__|__|

[40] Partition 1 and [41] Partition 2 "Command Output 1" Label (14 Characters)

Default: "Command_O/P_1" |__|__|__|__|__|__|__|__|__|__|__|__|__|__|

Default: "Command_O/P_1" |__|__|__|__|__|__|__|__|__|__|__|__|__|__|

[44] Partition 1 and [45] Partition 2 "Command Output 2" Label (14 Characters)

Default: "Command_O/P_2" |__|__|__|__|__|__|__|__|__|__|__|__|__|__|

Default: "Command_O/P_2" |__|__|__|__|__|__|__|__|__|__|__|__|__|__|

[46] Partition 1 and [47] Partition 2 "Command Output 3" Label (14 Characters)

Default: "Command_O/P_3" |__|__|__|__|__|__|__|__|__|__|__|__|__|__|

Default: "Command_O/P_3" |__|__|__|__|__|__|__|__|__|__|__|__|__|__|

[48] Partition 1 and [49] Partition 2 "Command Output 4" Label (14 Characters)

Default: "Command_O/P_4" |__|__|__|__|__|__|__|__|__|__|__|__|__|__|

Default: "Command_O/P_4" |__|__|__|__|__|__|__|__|__|__|__|__|__|__|

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

[61] Second User Display Mask

Default		Option	ON	OFF
OFF	|1|	1	Installer Programming prompt ON	Installer Programming prompt OFF
ON	|2|	2	Stay Arm prompt ON	Stay Arm prompt OFF
ON	|3|	3	Quick Arm prompt ON	Quick Arm prompt OFF
ON	|4|	4	Interior Arm prompt ON	Interior Arm prompt OFF
OFF	|5|	5	Quick Exit prompt ON	Quick Exit prompt OFF
ON	|6|	6	View Event Buffer prompt ON	View Event Buffer prompt OFF
OFF	|7|	7	For Future Use	
OFF	|8|	8	Music Input ON	Music Input OFF

[62] Third User Display Mask

Default		Option	ON	OFF
ON	|1|	1	System Test prompt ON	System Test prompt OFF
ON	|2|	2	Time and Date prompt ON	Time and Date prompt OFF
ON	|3|	3	Auto-arm Control prompt ON	Auto-arm Days prompt OFF
ON	|4|	4	Auto-arm Time prompt ON	Auto-arm Time prompt OFF
ON	|5|	5	Download Enable prompt ON	Download Enable prompt OFF
ON	|6|	6	Bright Control prompt ON	Bright Control prompt OFF
ON	|7|	7	Contrast Control prompt ON	Contrast Control prompt OFF
ON	|8|	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	|1|	1	[F]ire Keys enabled	[F]ire Keys disabled
ON	|2|	2	[A]uxiliary Keys enabled	[A]uxiliary Keys disabled
ON	|3|	3	[P]anic Keys enabled	[P]anic Keys disabled
OFF	|4-8|	4-8	For Future Use	

[65] Fourth User Display Mask

Default		Option	ON	OFF
ON	|1|	1	User Initiated Call-up prompt ON	User Initiated Call-up prompt OFF
OFF	|2|	2	For Future Use	
OFF	|3|	3	For Future Use	
ON	|4|	4	Command Output #1 prompt ON	Command Output #1 prompt OFF
ON	|5|	5	Command Output #2 prompt ON	Command Output #2 prompt OFF
OFF	|6|	6	Command Output #3 prompt ON	Command Output #3 prompt OFF
OFF	|7|	7	Command Output #4 prompt ON	Command Output #4 prompt OFF
OFF	|8|	8	For Future Use	

[66] Keypad Options

Default		Option	ON	OFF
ON	⌊___⌋	1	Display Access Code when Programming	Display 'X' when Programming
ON	⌊___⌋	2	Local Clock Display Enabled	Local Clock Display Disabled
OFF	⌊___⌋	3	Local Clock Displays 24 Hour time	Local Clock Displays AM/PM
ON	⌊___⌋	4	Auto Alarm Memory Scroll Enabled	Auto Alarm Memory Scroll Disabled
OFF	⌊___⌋	5	Local Display of Temperature Enabled*	Local Display of Temperature Disabled
OFF	⌊___⌋	6	Bypass Options prompt ON	Bypass Options prompt OFF
OFF	⌊___⌋	7-8	For Future Use	

[67] Fifth User Display Mask

Default		Option	ON	OFF
OFF	⌊___⌋	1	Thermostat CTRL Prompt ON*	Thermostat CTRL Prompt OFF
OFF	⌊___⌋	2	Temperature Setting Prompt ON*	Temperature Setting Prompt OFF
OFF	⌊___⌋	3	Occupancy Mode Prompt ON*	Occupancy Mode Prompt OFF
OFF	⌊___⌋	4	Thermostat Mode Prompt ON*	Thermostat Mode Prompt OFF
OFF	⌊___⌋	5	Fan Control Prompt ON*	Fan Control Prompt OFF
OFF	⌊___⌋	6	For Keypad View Prompt ON*	For Keypad View Prompt OFF
OFF	⌊___⌋	7-8	For Future Use	

[68] Sixth User Display Mask

Default		Option	ON	OFF
OFF	⌊___⌋	1	Occupancy Mode Auxiliary Prompt ON*	Occupancy Mode Auxiliary Prompt OFF
OFF	⌊___⌋	2	Occupancy Mode Day Prompt ON*	Occupancy Mode Day Prompt OFF
OFF	⌊___⌋	3	Occupancy Mode Away Prompt ON*	Occupancy Mode Away Prompt OFF
OFF	⌊___⌋	4	Occupancy Mode Night Prompt ON*	Occupancy Mode Night Prompt OFF
OFF	⌊___⌋	5-8	For Future Use	

NOTE: *These options are only relevant if you are using an LCD5500Z v2.1 or higher or an LCD5520Z v3.1.*

[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.

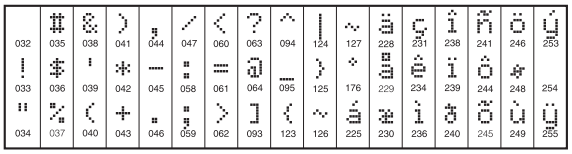
Step 2 - Make sure all LCD keypads are connected to the Keybus.

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



LCD5500Z/LCD5520Z v3.x and Higher Keypads

The following is a description of the available programming options and their accompanying programming sections:

How to Enter LCD Programming

Programming LCD keypads is similar to programming the rest of the system. Follow the programming procedure as outlined in Section 3 of the *Installation Manual*.

1. Enter keypad programming by pressing [*][8][Installer Code].
2. Press the [*] key.
3. Enter the three-digit section number to be programmed (see the following page for section numbers).

Programmable Labels

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:

1. Enter Installer's Programming. Enter the three-digit section number for the label to be programmed.
2. Use the arrow keys (<>) to move the underline bar underneath the letter to be changed.
3. 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	[6] - P, Q, R, 6
[2] - D, E, F, 2	[7] - S, T, U, 7
[3] - G, H, I, 3	[8] - V, W, X, 8
[4] - J, K, L, 4	[9] - Y, Z, 9,0
[5] - M, N, O, 5	[0] - Space

4. When the required letter or number is displayed use the arrow keys (<>) to scroll to the next letter.
5. When you are finished programming the Zone Label, press the [*] key, scroll to "Save," then press [*].
6. Continue from Step 2 until all Labels are programmed.

[001] to [032] Zone Labels (14 Characters)

Default: "Zone 1" - "Zone 32"

[065] Fire Alarm Label (14 Characters)

Default: "Fire Zone"

[066] Fail to Arm Event Message

Default: "System Has Failed to Arm"

[067] Alarm When Armed Event Message

Default: "Alarm Occurred While Armed < >"

[070] 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

[071] Second User Display Mask

Default	Option	ON	OFF
OFF	1	Installer Programming prompt ON	Installer Programming prompt OFF
ON	2	Stay Arm prompt ON	Stay Arm prompt OFF
ON	3	Quick Arm prompt ON	Quick Arm prompt OFF
ON	4	Interior Arm prompt ON	Interior Arm prompt OFF
OFF	5	Quick Exit prompt ON	Quick Exit prompt OFF
ON	6	View Event Buffer prompt ON	View Event Buffer prompt OFF
OFF	7	For Future Use	
OFF	8	Music Input ON	Music Input OFF

[072] Third User Display Mask

Default	Option	ON	OFF
ON	1	System Test prompt ON	System Test prompt OFF
ON	2	Time and Date prompt ON	Time and Date prompt OFF
ON	3	Auto-arm Control prompt ON	Auto-arm Days prompt OFF
ON	4	Auto-arm Time prompt ON	Auto-arm Time prompt OFF
ON	5	Download Enable prompt ON	Download Enable prompt OFF
ON	6	Bright Control prompt ON	Bright Control prompt OFF
ON	7	Contrast Control prompt ON	Contrast Control prompt OFF
ON	8	Buzzer Control prompt ON	Buzzer Control prompt OFF

[073] 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)

[074] Key Options

Default		Option	ON	OFF
ON	|___|	1	[F]ire Keys enabled	[F]ire Keys disabled
ON	|___|	2	[A]uxiliary Keys enabled	[A]uxiliary Keys disabled
ON	|___|	3	[P]anic Keys enabled	[P]anic Keys disabled
OFF	|___|	4-8	For Future Use	

[075] Fourth User Display Mask

Default		Option	ON	OFF
ON	|___|	1	User Initiated Call-up prompt ON	User Initiated Call-up prompt OFF
OFF	|___|	2	Last Code to Disarm/Arm prompt ON	Last Code to Disarm/Arm prompt OFF
OFF	|___|	3	Walk Test Prompt ON	Walk Test Prompt ON
ON	|___|	4	Command Output #1 prompt ON	Command Output #1 prompt OFF
ON	|___|	5	Command Output #2 prompt ON	Command Output #2 prompt OFF
OFF	|___|	6	Command Output #3 prompt ON	Command Output #3 prompt OFF
OFF	|___|	7	Command Output #4 prompt ON	Command Output #4 prompt OFF
OFF	|___|	8	For Future Use	

[076] Keypad Options

Default		Option	ON	OFF
ON	|___|	1	Display Access Code when Programming	Display 'X' when Programming
ON	|___|	2	Local Clock Display Enabled	Local Clock Display Disabled
OFF	|___|	3	Local Clock Displays 24 Hour time	Local Clock Displays AM/PM
ON	|___|	4	Auto Alarm Memory Scroll Enabled	Auto Alarm Memory Scroll Disabled
OFF	|___|	5	Local Display of Temperature Enabled*	Local Display of Temperature Disabled
OFF	|___|	6	Bypass Options prompt ON	Bypass Options prompt OFF
OFF	|___|	7	For Future Use	
OFF	|___|	8	Auto Scroll Open Zones Enabled	Auto Scroll Open Zones Disabled

[077] Fifth User Display Mask

Default		Option	ON	OFF
OFF	|___|	1	Thermostat CTRL Prompt ON*	Thermostat CTRL Prompt OFF
OFF	|___|	2	Temperature Setting Prompt ON*	Temperature Setting Prompt OFF
OFF	|___|	3	Occupancy Mode Prompt ON*	Occupancy Mode Prompt OFF
OFF	|___|	4	Thermostat Mode Prompt ON*	Thermostat Mode Prompt OFF
OFF	|___|	5	Fan Control Prompt ON*	Fan Control Prompt OFF
OFF	|___|	6	For Keypad View Prompt ON*	For Keypad View Prompt OFF
OFF	|___|	7-8	For Future Use	

[078] Sixth User Display Mask

Default		Option	ON	OFF
OFF	|___|	1	Occupancy Mode Auxiliary Prompt ON*	Occupancy Mode Auxiliary Prompt OFF
OFF	|___|	2	Occupancy Mode Day Prompt ON*	Occupancy Mode Day Prompt OFF
OFF	|___|	3	Occupancy Mode Away Prompt ON*	Occupancy Mode Away Prompt OFF
OFF	|___|	4	Occupancy Mode Night Prompt ON*	Occupancy Mode Night Prompt OFF
OFF	|___|	5-8	For Future Use	

NOTE: *These options are only relevant if you are using LCD5500Z v2.1 or higher or LCD5520Z v3.1 and higher keypads.*

Partition Labels

Default: "System" - "Partition 2"

Section	Partition	Label
[101]	1/System	|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|
[102]	2	|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|

Command Output Labels

Default: “Command_O/P_1” - “Command_O/P_4”

Program a label for each Command Output used, as it will appear at each partition (of the *Installation Manual*).

Section	Partition	Command Output	Label
[120]	1	1	
[121]	1	2	
[122]	1	3	
[123]	1	4	
[124]	2	1	
[125]	2	2	
[126]	2	3	
[127]	2	4	

[[997]View Software Version

[998] 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.

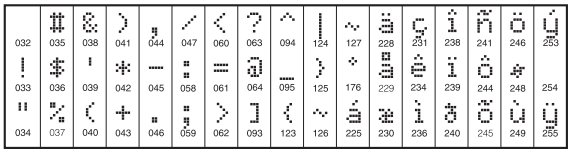
Step 2 - Make sure all LCD keypads are connected to the Keybus.

Step 3 - Enter Installer’s Programming, then enter section [998] 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.

[999] Reset LCD EEPROM to Factory Defaults

ASCII Characters



Appendix B: Programming LCD5501Z Keypads

There are several programming options available for the LCD5501Z keypad. These are described below. Record all your programming choices in the programming worksheets included in this manual.

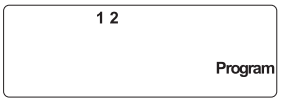
Programming Keypad Options

Programming the LCD5501Z is similar to programming the rest of the system. To change the keypad programming:

1. Enter [*][8][Installer's code]
2. Enter [000] to go to keypad programming
3. Enter section number [6] or [7].
4. To turn any of the options on or off, press the option number (from [1] to [8]).
5. When you are finished programming, press [#].

When you are in the LCD5501Z programming sections, the keypad will display which options are turned on along the top of the display. To turn an option on or off, press the number corresponding to the option on the number pad. The numbers of the options that are currently turned ON will be displayed.

For example, if options 1 and 2 are on, the display will look like:



Clock Options

The LCD5501Z will display the current time after 30 seconds of no key presses. To set the correct time and date for the system, please refer to the *PowerSeries User Guide*. You can change how the keypad displays the time with options [1] to [3] in programming section [6].

***NOTE:** If the Time does not display on keypad option is selected, make sure that the Keypad displays time when zones are open option is also selected.*

Alarms Displayed While Armed Option

You can disable the display of alarms on the keypad when the system is armed. The display of alarms is enabled by default. To disable the display of alarms when the system is armed, turn off section [6], option [5].

Emergency Key Options

You can enable or disable the Fire, Auxiliary and Panic keys at each keypad. These keys are enabled by default. Please see the *PC1555 CP-01 Installation Manual* for more information on these keys and their options. To turn any of the emergency keys on or off on the keypad, enter section [7], and turn on or off options [1] to [3].

Door Chime on Zone Openings/Closings

By default, LCD5501Z keypads are programmed to sound door chimes on both zone openings and closings.

To change the door chime opening/closing settings, at each LCD5501Z keypad, enter section [6], and turn on or off options [6] and [7].

[6] LCD5501Z Keypad Options

Default	Option	On	Off
ON	1	Local Clock Display Enabled	Local Clock Display Disabled
ON	2	Local Clock Displays AM/PM	Local Clock Displays 24-hour Time
OFF	3	Open Zones Override Clock Display	Open Zones Do Not Override Clock
OFF	4	Scandinavian Approvals enabled	Scandinavian Approvals disabled
OFF	5	Alarms Not Displayed While Armed	Alarms Always Displayed While Armed
ON	6	Door Chime Enabled for Zone Openings	Door Chime Disabled for Zone Openings
ON	7	Door Chime Enabled for Zone Closings	Door Chime Disabled for Zone Closings
OFF	8	For Future Use	

[7] Emergency Key Options

Default	Option	On	Off
ON	1	[F]ire Keys Enabled	[F]ire Keys Disabled
ON	2	[A]uxiliary Keys Enabled	[A]uxiliary Keys Disabled
ON	3	[Panic] Keys Enabled	[P]anic Keys Disabled
OFF	4-8	For Future Use	

Programming Door Chime Options

You can program the LCD5501Z keypad to sound a tone when any zone is opened or closed. There are two parts to the LCD5501Z door chime programming:

- Program if the LCD5501Z will chime when zones are opened and/or closed (see).
- Program the type of sound the LCD5501Z will make when an individual zone is opened or closed.

Refer to the *PC1555 CP-01 Installation Manual* for more information.

For the door chime feature to work, you will also need to turn on the Door Chime attribute for each zone that will trigger the chime. This programming is done in the control panel software.

Door Chime Sounds

You can program the LCD5501Z keypad to make different door chime sounds for individual zones, or groups of zones. Each LCD5501Z keypad can make any of four door chime sounds for each zone that triggers the door chime:

- ·6 quick beeps (default sound)
- ·'Bing – Bing' tone
- ·'Ding – Dong' tone
- ·'Alarm' tone

NOTE: *For a zone to be able to trigger the door chime sound, the Door Chime zone attribute must also be enabled in the control panel programming. Please see your PC1555 CP-01 Installation Manual.*

To change the door chime sounds:

1. Enter [*][8][Installer's code].
2. Enter [*] to go to door chime sound programming.
3. Enter the 2-digit number for the zone you are programming [01] - [32].

NOTE: *LCD5501Z v 1.x keypads only support zones 1 to 32.*

4. Turn one of the following options on by pressing [1], [2], [3], or [4]:
   [1] 6 quick beeps (default sound)
   [2]'Bing – Bing' tone
   [3]'Ding – Dong' tone
   [4]'Alarm' tone

NOTE: *Make sure that only one of the above options is turned on. If more than one is on, the keypad will sound the first option that is enabled. If none of the options are selected, the keypad will not make any sound when the zone is opened or closed.*

5. To program the door chime sound for another zone, repeat steps 3 and 4.
6. When you are finished programming the door chime sounds, press [#] to exit.

Door Chime Sound Programming

Zone	Location	Options: [1] 6 Beeps (default)	[2] "Bing-bing"	[3] "Ding-dong"	[4] Alarm tone
[01]					
[02]					
[03]					
[04]					
[05]					
[06]					
[07]					
[08]					
[09]					
[10]					
[11]					
[12]					
[13]					
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[22]					
[23]					
[24]					
[25]					
[26]					
[27]					
[28]					
[29]					
[30]					
[31]					
[32]					

Notes

Industry Canada Statement

NOTICE: The Industry Canada label identifies certified equipment. This certification means that the equipment meets certain telecommunications network protective, operational and safety requirements. Industry Canada does not guarantee the equipment will operate to the user's satisfaction.

Before installing this equipment, users should ensure that it is permissible to be connected to the facilities of the local telecommunications company. The equipment must also be installed using an acceptable method of connection. The customer should be aware that compliance with the above conditions may not prevent degradation of service in some situations.

Repairs to certified equipment should be made by an authorized Canadian maintenance facility designated by the supplier. Any repairs or alterations made by the user to this equipment, or equipment malfunctions, may give the telecommunications company cause to request the user to disconnect the equipment.

User should ensure for their own protection that the electrical ground connections of the power utility, telephone lines and internal metallic water pipe system, if present, are connected together. This precaution may be particularly important in rural areas.

CAUTION: Users should not attempt to make such connections themselves, but should contact the appropriate electric inspection authority, or electrician, as appropriate.

NOTICE: The Ringer Equivalence Number (REN) assigned to each terminal equipment provides an indication of the maximum number of terminals allowed to be connected to a telephone interface. The termination on an interface may consist of any combination of devices subject only to the requirement that the sum of the Ringer Equivalence Numbers of all the devices does not exceed 5.

The Ringer Equivalence Number (REN) for this terminal equipment is 0.1.

AVIS : L'étiquette de l'Industrie Canada identifie le matériel homologué. Cette étiquette certifie que le matériel est conforme à certaines normes de protection, d'exploitation et de sécurité des réseaux de télécommunications. Industrie Canada n'assure toutefois pas que le matériel fonctionnera à la satisfaction de l'utilisateur.

Avant d'installer ce matériel, l'utilisateur doit s'assurer qu'il est permis de le raccorder aux installations de l'entreprise locale de télécommunication. Le matériel doit également être installé en suivant une méthode acceptée de raccordement. L'abonné ne doit pas oublier qu'il est possible que la conformité aux conditions énoncées ci-dessus n'empêchent pas la dégradation du service dans certaines situations.

Les réparations de matériel homologué doivent être effectuées par un centre d'entretien canadien autorisé désigné par le fournisseur. La compagnie de télécommunications peut demander à l'utilisateur de débrancher un appareil à la suite de réparations ou de modifications effectuées par l'utilisateur ou à cause de mauvais fonctionnement.

Pour sa propre protection, l'utilisateur doit s'assurer que tous les fils de mise à la terre de la source d'énergie électrique, les lignes téléphoniques et les canalisations d'eau métalliques, s'il y en a, sont raccordés ensemble. Cette précaution est particulièrement importante dans les régions rurales.

AVERTISSEMENT : L'utilisateur ne doit pas tenter de faire ces raccordements lui-même; il doit avoir recours à un service d'inspection des installations électriques, ou à un électricien, selon le cas.

AVIS : L'indice d'équivalence de la sonnerie (IES) assigné à chaque dispositif terminal indique le nombre maximal de terminaux qui peuvent être raccordés à une interface téléphonique. La terminaison d'une interface peut consister en une combinaison quelconque de dispositifs, à la seule condition que la somme d'indices d'équivalence de la sonnerie de tous les dispositifs n'excède pas 5.

L'indice d'équivalence de la sonnerie (IES) du présent matériel est de 0.1.

FCC COMPLIANCE STATEMENT

CAUTION: Changes or modifications not expressly approved by Digital Security Controls Ltd. could void your authority to use this equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interfer-ence in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be deter-mined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Re-orient the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/television technician for help.

The user may find the following booklet prepared by the FCC useful: "How to Identify and Resolve Radio/Television Interference Problems". This booklet is available from the U.S. Government Printing Office, Wash-ington D.C. 20402, Stock # 004-000-00345-4.

IMPORTANT INFORMATION

This equipment complies with Part 68 of the FCC Rules. On the side of this equipment is a label that contains, among other information, the FCC registration number and ringer equivalence number (REN) for this equipment. If requested, this number must be provided to the Telephone Company.

FCC Registration Number:	F53CAN-34330-AL-E
REN:	0.1B
USOC Jack:	RJ-31X

Telephone Connection Requirements

A plug and jack used to connect this equipment to the premises wiring and telephone network must comply with the applicable FCC Part 68 rules and requirements adopted by the ACTA. A compliant telephone cord and modular plug is provided with this product. It is designed to be connected to a compatible modular jack that is also compliant. See installation instructions for details.

Ringer Equivalence Number (REN)

The REN is used to determine the number of devices that may be connected to a telephone line. Excessive RENs on a telephone line may result in the devices not ringing in response to an incoming call. In most but not all areas, the sum of RENs should not exceed five (5.0). To be certain of the number of devices that may be connected to a line, as determined by the total RENs, contact the local Telephone Company. For products approved after July 23, 2001, the REN for this product is part of the product identifier that has the format.

US: AAAEQ##TXXXX. The digits represented by ## are the REN without a decimal point (e.g., 03 is a REN of 0.3). For earlier products, the REN is separately shown on the label.

Incidence of Harm

If this equipment PC1555 CP-01 causes harm to the telephone network, the telephone company will notify you in advance that temporary discontinuance of service may be required. But if advance notice is not practical, the Telephone Company will notify the customer as soon as possible. Also, you will be advised of your right to file a complaint with the FCC if you believe it is necessary.

Changes in Telephone Company Equipment or Facilities

The Telephone Company may make changes in its facilities, equipment, operations or procedures that could affect the operation of the equipment. If this happens the Telephone Company will provide advance notice in order for you to make necessary modifications to maintain uninterrupted service.

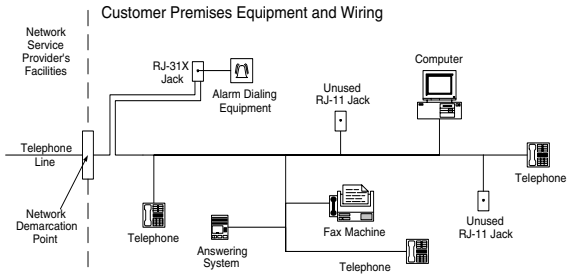
Equipment Maintenance Facility

If trouble is experienced with this equipment PC1555 CP-01, for repair or warranty information, please contact the facility indicated below. If the equipment is causing harm to the telephone network, the Telephone Company may request that you disconnect the equipment until the problem is solved. This equipment is of a type that is not intended to be repaired by the end user. Simplex Time Recorder Co. 100 Simplex Drive, Westminster MA 01441-0001 USA, Tel: (978) 731-2500.

Additional Information

Connection to party line service is subject to state tariffs. Contact the state public utility commission, public service commission or corporation commission for information.

Alarm dialing equipment must be able to seize the telephone line and place a call in an emergency situation. It must be able to do this even if other equipment (telephone, answering system, computer modem, etc.) already has the telephone line in use. To do so, alarm dialing equipment must be connected to a properly installed RJ-31X jack that is electrically in series with and ahead of all other equipment attached to the same telephone line. Proper installation is depicted in the figure below. If you have any questions concerning these instructions, you should consult your telephone company or a qualified installer about installing the RJ-31X jack and alarm dialing equipment for you.



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