

Programming Worksheets

DSC[®]
Power 864[™]

S E C U R I T Y S Y S T E M

PC5O2O/PC5O2OCF Version 3.2

DLS-3 v1.3 and higher

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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
PC5020	Main Panel	_____
PC5100	Addressable Zone Expander	_____
PC5108	Zone Expander 1	_____
PC5108	Zone Expander 2	_____
PC5108	Zone Expander 3	_____
PC5108	Zone Expander 4	_____
PC5108	Zone Expander 5	_____
PC5108	Zone Expander 6	_____
PC5108	Zone Expander 7	_____
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	_____
PC5700	Fire Expansion/Phone Module	_____
PC5720	Fire Expansion/DVACS 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	_____	_____

Zone Programming Summary

Zone programming can be found in sections [001] - [004], [101] - [164], [020] and [202] - [265]. 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*									Serial Number (Wireless)	Partitions							
			1	2	3	4	5	6	7	8	9		1	2	3	4	5	6	7	8
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

System Zone	Zone Label	Zone Type	Zone Attributes*									Partitions							
			1	2	3	4	5	6	7	8	9	1	2	3	4	5	6	7	8
33																			
34																			
35																			
36																			
37																			
38																			
39																			
40																			
41																			
42																			
43																			
44																			
45																			
46																			
47																			
48																			
49																			
50																			
51																			
52																			
53																			
54																			
55																			
56																			
57																			
58																			
59																			
60																			
61																			
62																			
63																			
64																			

***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 0-8 for the partition, 1-8 for the slot. (e.g., to enroll a keypad in partition 3 and slot 1, enter (31))]

[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 | 11 [*][5] Access Code Programming | 22 Active Camera Monitor Selection |
| 01 Select Partition 1 | 12 [*][6] User Functions | 23 Bypass Recall |
| 02 Select Partition 2 | 13 Command Output #1 [*][7][1] | 24 Recall Bypass Group |
| 03 Stay Arm | 14 Command Output #2 [*][7][2]/Sensor Reset | 25 For Future Use |
| 04 Away Arm | 15 General Voice Prompted Help | 26 For Future Use |
| 05 [*][9] No-Entry Arm | 16 [*][0] Quick Exit | 27 Select Partition 3 |
| 06 [*][4] Chime On / Off | 17 [*][1] Reactivate Stay/Away Zones | 28 Select Partition 4 |
| 07 [*][6][—][4] System Test | 18 Identified Voice Prompted Help | 29 Select Partition 5 |
| 08 [*][1] Bypass Mode | 19 Command Output 3 [*][7][3] | 30 Select Partition 6 |
| 09 [*][2] Trouble Display | 20 For Future Use | 31 Select Partition 7 |
| 10 [*][3] Alarm Memory | 21 Command Output 4 [*][7][4] | 32 Select Partition 8 |

	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)	12 24 Hour Holdup*	23 Maintained Keyswitch Arm*
01 Delay 1 *	13 24 Hour Gas*	24 LINKS1000 Answer*
02 Delay 2 *	14 24 Hour Heating*	25 Interior Delay*
03 Instant*	15 24 Hour Auxiliary*	26 24 Hour Non-alarm*
04 Interior*	16 24 Hour Panic*	27 Delayed 24 Hour Waterflow
05 Interior, Stay/Away*	17 24 Hour Emergency*	28 Instant 24 Hour Waterflow
06 Delay, Stay/Away*	18 24 Hour Sprinkler*	29 Auto Verified Fire
07 Delayed 24 Hour Fire (Hardwired)**	19 24 Hour Water*	30 Fire Supervisory
08 Standard 24 Hour Fire (Hardwired)	20 24 Hour Freeze*	31 Day Zone*
09 24 Hour Supervisory	21 24 Hour Latching Tamper*	87 Delay 24 Hour Fire (Wireless)**
10 24 Hour Supervisory Buzzer*	22 Momentary Keyswitch Arm*	88 Standard 24 Hour Fire (Wireless)**
11 24 Hour Burglary*		

*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] - [164]. Zone assignment is in sections [202] - [265].

Section #	Zone #	Default	Zone Defn.	Section #	Zone #	Default	Zone Defn.
[001]	01	01	┌┐	[003]	33	00	┌┐
	02	03	┌┐		34	00	┌┐
	03	03	┌┐		35	00	┌┐
	04	03	┌┐		36	00	┌┐
	05	04	┌┐		37	00	┌┐
	06	04	┌┐		38	00	┌┐
	07	04	┌┐		39	00	┌┐
	08	04	┌┐		40	00	┌┐
	09	00	┌┐		41	00	┌┐
	10	00	┌┐		42	00	┌┐
	11	00	┌┐		43	00	┌┐
	12	00	┌┐		44	00	┌┐
	13	00	┌┐		45	00	┌┐
	14	00	┌┐		46	00	┌┐
	15	00	┌┐		47	00	┌┐
	16	00	┌┐		48	00	┌┐
[002]	17	00	┌┐	[004]	49	00	┌┐
	18	00	┌┐		50	00	┌┐
	19	00	┌┐		51	00	┌┐
	20	00	┌┐		52	00	┌┐
	21	00	┌┐		53	00	┌┐
	22	00	┌┐		54	00	┌┐
	23	00	┌┐		55	00	┌┐
	24	00	┌┐		56	00	┌┐
	25	00	┌┐		57	00	┌┐
	26	00	┌┐		58	00	┌┐
	27	00	┌┐		59	00	┌┐
	28	00	┌┐		60	00	┌┐
	29	00	┌┐		61	00	┌┐
	30	00	┌┐		62	00	┌┐
	31	00	┌┐		63	00	┌┐
	32	00	┌┐		64	00	┌┐

System Times and Codes

[005] System Times

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

[01] Partition 1 Entry/Exit times

030 Entry Delay 1
045 Entry Delay 1
60 Exit Delay

[05] Partition 5 Entry/Exit times

030 Entry Delay 1
045 Entry Delay 1
60 Exit Delay

[02] Partition 2 Entry/Exit times

030 Entry Delay 1
045 Entry Delay 1
60 Exit Delay

[06] Partition 6 Entry/Exit times

030 Entry Delay 1
045 Entry Delay 1
60 Exit Delay

[03] Partition 3 Entry/Exit times

030 Entry Delay 1
045 Entry Delay 1
60 Exit Delay

[07] Partition 7 Entry/Exit times

030 Entry Delay 1
045 Entry Delay 1
60 Exit Delay

[04] Partition 4 Entry/Exit times

030 Entry Delay 1
045 Entry Delay 1
60 Exit Delay

[08] Partition 8 Entry/Exit times

030 Entry Delay 1
045 Entry Delay 1
60 Exit Delay

[09] Bell Cut-Off Timer (All Partitions)

004 Enter 3 digits from 001-255

[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 | 14 Ground Start Pulse |
| 02 For Future Use | 15 Remote Operation (DLS-3 Support) |
| 03 Sensor Reset [*][7][2] | 16 LINKS1000 Support (PGM1 only) |
| 04 2 Wire Smoke Support (PGM 2 only) | 17 Away Armed Status |
| 05 System Armed Status | 18 Stay Armed Status |
| 06 Ready To Arm | 19 Command Output #1 ([*][7][1]) |
| 07 Keypad Buzzer Follow Mode | 20 Command Output #2 ([*][7][2]) |
| 08 Courtesy Pulse | 21 Command Output #3 ([*][7][3]) |
| 09 System Trouble Output (with Trouble options) | 22 Command Output #4 ([*][7][4]) |
| 10 System Event [Strobe (with Event options)] | 23 24 Hour Silent Input |
| 11 System Tamper (all sources: zones, keypad, modules) | 24 24 Hour Audible Input |
| 12 TLM and Alarm | 25 Delayed Fire and Burglary Output |
| 13 Kissoff 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 partitions in sections [551] - [564]

Default

19 PGM 1

Default

10 PGM 2

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

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

Default

01 PGM 3 (main panel/PC5208)*
01 PGM 4 (main panel/PC5208)*
01 PGM 5 (PC5208)
01 PGM 6 (PC5208)

Default

01 PGM 7 (PC5208)
01 PGM 8 (PC5208)
01 PGM 9 (PC5208)
01 PGM 10 (PC5208)

NOTE: These two sections allow you to program both PGM3 and PGM4 on the main panel, and the first two PGM outputs on the PC5208. If you use both the main panel and the PC5208 outputs, PGM3 will work the same as the first PC5208 output, and PGM4 will work the same as the second PC5208 output.

[011] PGM11 to PGM14 Output Programming (PC5204)

NOTE: Program PGM Option Attributes in sections [501] - [514]. Program PGM partitions 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 ☐	2	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.

† This option applies to all partitions.

[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 Tamperers enabled	Keypad Tamperers 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	Periodic Camera Test Enabled	Periodic Camera Test Disabled
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]-[164] 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 01-64
00	☐	Keypad (slot 2) Zone	Valid entries are zones 01-64
00	☐	Keypad (slot 3) Zone	Valid entries are zones 01-64
00	☐	Keypad (slot 4) Zone	Valid entries are zones 01-64
00	☐	Keypad (slot 5) Zone	Valid entries are zones 01-64
00	☐	Keypad (slot 6) Zone	Valid entries are zones 01-64
00	☐	Keypad (slot 7) Zone	Valid entries are zones 01-64
00	☐	Keypad (slot 8) Zone	Valid entries are zones 01-64

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	Zone 7 is Fast Loop Response	Zone 7 is Normal Loop Response
OFF	☐ 8	Zone 8 is Fast Loop Response	Zone 8 is Normal Loop Response

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 OFF	Audible Silent	Steady Pulsed	Chime No	Bypass No	Force No	Swing No	Tx. Delay No	Wireless Zn No	Cross Zn 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	()	☐	☐	☐	☐	☐	☐	☐	☐	☐
[133]	33	()	☐	☐	☐	☐	☐	☐	☐	☐	☐
[134]	34	()	☐	☐	☐	☐	☐	☐	☐	☐	☐
[135]	35	()	☐	☐	☐	☐	☐	☐	☐	☐	☐
[136]	36	()	☐	☐	☐	☐	☐	☐	☐	☐	☐
[137]	37	()	☐	☐	☐	☐	☐	☐	☐	☐	☐
[138]	38	()	☐	☐	☐	☐	☐	☐	☐	☐	☐
[139]	39	()	☐	☐	☐	☐	☐	☐	☐	☐	☐
[140]	40	()	☐	☐	☐	☐	☐	☐	☐	☐	☐
[141]	41	()	☐	☐	☐	☐	☐	☐	☐	☐	☐
[142]	42	()	☐	☐	☐	☐	☐	☐	☐	☐	☐
[143]	43	()	☐	☐	☐	☐	☐	☐	☐	☐	☐
[144]	44	()	☐	☐	☐	☐	☐	☐	☐	☐	☐
[145]	45	()	☐	☐	☐	☐	☐	☐	☐	☐	☐
[146]	46	()	☐	☐	☐	☐	☐	☐	☐	☐	☐
[147]	47	()	☐	☐	☐	☐	☐	☐	☐	☐	☐
[148]	48	()	☐	☐	☐	☐	☐	☐	☐	☐	☐
[149]	49	()	☐	☐	☐	☐	☐	☐	☐	☐	☐
[150]	50	()	☐	☐	☐	☐	☐	☐	☐	☐	☐
[151]	51	()	☐	☐	☐	☐	☐	☐	☐	☐	☐
[152]	52	()	☐	☐	☐	☐	☐	☐	☐	☐	☐
[153]	53	()	☐	☐	☐	☐	☐	☐	☐	☐	☐
[154]	54	()	☐	☐	☐	☐	☐	☐	☐	☐	☐
[155]	55	()	☐	☐	☐	☐	☐	☐	☐	☐	☐
[156]	56	()	☐	☐	☐	☐	☐	☐	☐	☐	☐
[157]	57	()	☐	☐	☐	☐	☐	☐	☐	☐	☐
[158]	58	()	☐	☐	☐	☐	☐	☐	☐	☐	☐
[159]	59	()	☐	☐	☐	☐	☐	☐	☐	☐	☐
[160]	60	()	☐	☐	☐	☐	☐	☐	☐	☐	☐
[161]	61	()	☐	☐	☐	☐	☐	☐	☐	☐	☐
[162]	62	()	☐	☐	☐	☐	☐	☐	☐	☐	☐
[163]	63	()	☐	☐	☐	☐	☐	☐	☐	☐	☐
[164]	64	()	☐	☐	☐	☐	☐	☐	☐	☐	☐

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

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

[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 #	Partition	Day of the Week	Time of Day	Section #	Partition	Day of the Week	Time of Day
[181]	1	Sunday		[185]	5	Sunday	
		Monday				Monday	
		Tuesday				Tuesday	
		Wednesday				Wednesday	
		Thursday				Thursday	
		Friday				Friday	
		Saturday				Saturday	
[182]	2	Sunday		[186]	6	Sunday	
		Monday				Monday	
		Tuesday				Tuesday	
		Wednesday				Wednesday	
		Thursday				Thursday	
		Friday				Friday	
		Saturday				Saturday	
[183]	3	Sunday		[187]	7	Sunday	
		Monday				Monday	
		Tuesday				Tuesday	
		Wednesday				Wednesday	
		Thursday				Thursday	
		Friday				Friday	
		Saturday				Saturday	
[184]	4	Sunday		[188]	8	Sunday	
		Monday				Monday	
		Tuesday				Tuesday	
		Wednesday				Wednesday	
		Thursday				Thursday	
		Friday				Friday	
		Saturday				Saturday	

[190] No Activity Arming Pre-Alert Time

Default	Partition	Default
001	All	

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

No Activity Arming Timers

Section	Partition	Default
[191]	1	
[192]	2	
[193]	3	
[194]	4	
[195]	5	
[196]	6	
[197]	7	
[198]	8	

Valid entries are 001-255 seconds, 000 to disable

NOTE: Default is [000] for all partitions.

[199] Auto-arming Pre-Alert Timer

Default: 005 Valid entries are 001-255 seconds

Section 5: Partition and Zone Programming

[201] Partition Selection Mask

Select which partitions will be active on the system

NOTE: Partition 1 cannot be disabled.

Default		Option	ON	OFF
ON	☐	1	Partition 1 is enabled	(cannot be turned off)
OFF	☐	2	Partition 2 is enabled	Disabled
OFF	☐	3	Partition 3 is enabled	Disabled
OFF	☐	4	Partition 4 is enabled	Disabled
OFF	☐	5	Partition 5 is enabled	Disabled
OFF	☐	6	Partition 6 is enabled	Disabled
OFF	☐	7	Partition 7 is enabled	Disabled
OFF	☐	8	Partition 8 is enabled	Disabled

Assigning Zones to Partitions

Program which zones will be assigned to each partition in sections [202] to [265]. Program zone definitions in sections [001] - [004] and zone attributes in sections [101] - [164]. Program keypad zone assignments in section [020].

NOTE: By default, zones 1 through 8 are assigned to partition 1. All other zones are not assigned to a partition.

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

Section	Partition	Zone:							
[202]	1	01	02	03	04	05	06	07	08
		☐	☐	☐	☐	☐	☐	☐	☐
[203]	1	09	10	11	12	13	14	15	16
		☐	☐	☐	☐	☐	☐	☐	☐
[204]	1	17	18	19	20	21	22	23	24
		☐	☐	☐	☐	☐	☐	☐	☐
[205]	1	25	26	27	28	29	30	31	32
		☐	☐	☐	☐	☐	☐	☐	☐
[206]	1	33	34	35	36	37	38	39	40
		☐	☐	☐	☐	☐	☐	☐	☐
[207]	1	41	42	43	44	45	46	47	48
		☐	☐	☐	☐	☐	☐	☐	☐
[208]	1	49	50	51	52	53	54	55	56
		☐	☐	☐	☐	☐	☐	☐	☐
[209]	1	57	58	59	60	61	62	63	64
		☐	☐	☐	☐	☐	☐	☐	☐
Section	Partition	Zone:							
[210]	2	01	02	03	04	05	06	07	08
		☐	☐	☐	☐	☐	☐	☐	☐
[211]	2	09	10	11	12	13	14	15	16
		☐	☐	☐	☐	☐	☐	☐	☐
[212]	2	17	18	19	20	21	22	23	24
		☐	☐	☐	☐	☐	☐	☐	☐
[213]	2	25	26	27	28	29	30	31	32
		☐	☐	☐	☐	☐	☐	☐	☐
[214]	2	33	34	35	36	37	38	39	40
		☐	☐	☐	☐	☐	☐	☐	☐
[215]	2	41	42	43	44	45	46	47	48
		☐	☐	☐	☐	☐	☐	☐	☐
[216]	2	49	50	51	52	53	54	55	56
		☐	☐	☐	☐	☐	☐	☐	☐
[217]	2	57	58	59	60	61	62	63	64
		☐	☐	☐	☐	☐	☐	☐	☐

Assigning Zones to Partitions (cont.)

Section	Partition	Zone:							
	Section	Partition		Zone:					
[218]	3	01	02	03	04	05	06	07	08
		☐	☐	☐	☐	☐	☐	☐	☐
[219]	3	09	10	11	12	13	14	15	16
		☐	☐	☐	☐	☐	☐	☐	☐
[220]	3	17	18	19	20	21	22	23	24
		☐	☐	☐	☐	☐	☐	☐	☐
[221]	3	25	26	27	28	29	30	31	32
		☐	☐	☐	☐	☐	☐	☐	☐
[222]	3	33	34	35	36	37	38	39	40
		☐	☐	☐	☐	☐	☐	☐	☐
[223]	3	41	42	43	44	45	46	47	48
		☐	☐	☐	☐	☐	☐	☐	☐
[224]	3	49	50	51	52	53	54	55	56
		☐	☐	☐	☐	☐	☐	☐	☐
[225]	3	57	58	59	60	61	62	63	64
		☐	☐	☐	☐	☐	☐	☐	☐

Section	Partition	Zone:							
[226]	4	01	02	03	04	05	06	07	08
		☐	☐	☐	☐	☐	☐	☐	☐
[227]	4	09	10	11	12	13	14	15	16
		☐	☐	☐	☐	☐	☐	☐	☐
[228]	4	17	18	19	20	21	22	23	24
		☐	☐	☐	☐	☐	☐	☐	☐
[229]	4	25	26	27	28	29	30	31	32
		☐	☐	☐	☐	☐	☐	☐	☐
[230]	4	33	34	35	36	37	38	39	40
		☐	☐	☐	☐	☐	☐	☐	☐
[231]	4	41	42	43	44	45	46	47	48
		☐	☐	☐	☐	☐	☐	☐	☐
[232]	4	49	50	51	52	53	54	55	56
		☐	☐	☐	☐	☐	☐	☐	☐
[233]	4	57	58	59	60	61	62	63	64
		☐	☐	☐	☐	☐	☐	☐	☐

Section	Partition	Zone:							
[234]	5	01	02	03	04	05	06	07	08
		☐	☐	☐	☐	☐	☐	☐	☐
[235]	5	09	10	11	12	13	14	15	16
		☐	☐	☐	☐	☐	☐	☐	☐
[236]	5	17	18	19	20	21	22	23	24
		☐	☐	☐	☐	☐	☐	☐	☐
[237]	5	25	26	27	28	29	30	31	32
		☐	☐	☐	☐	☐	☐	☐	☐
[238]	5	33	34	35	36	37	38	39	40
		☐	☐	☐	☐	☐	☐	☐	☐
[239]	5	41	42	43	44	45	46	47	48
		☐	☐	☐	☐	☐	☐	☐	☐
[240]	5	49	50	51	52	53	54	55	56
		☐	☐	☐	☐	☐	☐	☐	☐
[241]	5	57	58	59	60	61	62	63	64
		☐	☐	☐	☐	☐	☐	☐	☐

Assigning Zones to Partitions (cont.)

Section	Partition	Zone:							
[242]	6	01	02	03	04	05	06	07	08
		☐	☐	☐	☐	☐	☐	☐	☐
[243]	6	09	10	11	12	13	14	15	16
		☐	☐	☐	☐	☐	☐	☐	☐
[244]	6	17	18	19	20	21	22	23	24
		☐	☐	☐	☐	☐	☐	☐	☐
[245]	6	25	26	27	28	29	30	31	32
		☐	☐	☐	☐	☐	☐	☐	☐
[246]	6	33	34	35	36	37	38	39	40
		☐	☐	☐	☐	☐	☐	☐	☐
[247]	6	41	42	43	44	45	46	47	48
		☐	☐	☐	☐	☐	☐	☐	☐
[248]	6	49	50	51	52	53	54	55	56
		☐	☐	☐	☐	☐	☐	☐	☐
[249]	6	57	58	59	60	61	62	63	64
		☐	☐	☐	☐	☐	☐	☐	☐

Section	Partition	Zone:							
[250]	7	01	02	03	04	05	06	07	08
		☐	☐	☐	☐	☐	☐	☐	☐
[251]	7	09	10	11	12	13	14	15	16
		☐	☐	☐	☐	☐	☐	☐	☐
[252]	7	17	18	19	20	21	22	23	24
		☐	☐	☐	☐	☐	☐	☐	☐
[253]	7	25	26	27	28	29	30	31	32
		☐	☐	☐	☐	☐	☐	☐	☐
[254]	7	33	34	35	36	37	38	39	40
		☐	☐	☐	☐	☐	☐	☐	☐
[255]	7	41	42	43	44	45	46	47	48
		☐	☐	☐	☐	☐	☐	☐	☐
[256]	7	49	50	51	52	53	54	55	56
		☐	☐	☐	☐	☐	☐	☐	☐
[257]	7	57	58	59	60	61	62	63	64
		☐	☐	☐	☐	☐	☐	☐	☐

Section	Partition	Zone:							
[258]	8	01	02	03	04	05	06	07	08
		☐	☐	☐	☐	☐	☐	☐	☐
[259]	8	09	10	11	12	13	14	15	16
		☐	☐	☐	☐	☐	☐	☐	☐
[260]	8	17	18	19	20	21	22	23	24
		☐	☐	☐	☐	☐	☐	☐	☐
[261]	8	25	26	27	28	29	30	31	32
		☐	☐	☐	☐	☐	☐	☐	☐
[262]	8	33	34	35	36	37	38	39	40
		☐	☐	☐	☐	☐	☐	☐	☐
[263]	8	41	42	43	44	45	46	47	48
		☐	☐	☐	☐	☐	☐	☐	☐
[264]	8	49	50	51	52	53	54	55	56
		☐	☐	☐	☐	☐	☐	☐	☐
[265]	8	57	58	59	60	61	62	63	64
		☐	☐	☐	☐	☐	☐	☐	☐

Alarm Restoral Reporting Codes, Zones 01-64**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
[326]	Zone 33	Zone 34	Zone 35	Zone 36	Zone 37	Zone 38	Zone 39	Zone 40
	Zone 41	Zone 42	Zone 43	Zone 44	Zone 45	Zone 46	Zone 47	Zone 48
[327]	Zone 49	Zone 50	Zone 51	Zone 52	Zone 53	Zone 54	Zone 55	Zone 56
	Zone 57	Zone 58	Zone 59	Zone 60	Zone 61	Zone 62	Zone 63	Zone 64

[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 01-64**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
[332]	Zone 33	Zone 34	Zone 35	Zone 36	Zone 37	Zone 38	Zone 39	Zone 40
	Zone 41	Zone 42	Zone 43	Zone 44	Zone 45	Zone 46	Zone 47	Zone 48
[333]	Zone 49	Zone 50	Zone 51	Zone 52	Zone 53	Zone 54	Zone 55	Zone 56
	Zone 57	Zone 58	Zone 59	Zone 60	Zone 61	Zone 62	Zone 63	Zone 64

Tamper Restoral Reporting Codes, Zones 01-64**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
[336]	Zone 33	Zone 34	Zone 35	Zone 36	Zone 37	Zone 38	Zone 39	Zone 40
	Zone 41	Zone 42	Zone 43	Zone 44	Zone 45	Zone 46	Zone 47	Zone 48
[337]	Zone 49	Zone 50	Zone 51	Zone 52	Zone 53	Zone 54	Zone 55	Zone 56
	Zone 57	Zone 58	Zone 59	Zone 60	Zone 61	Zone 62	Zone 63	Zone 64

[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

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

[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.

[349] PC5700 Maintenance Reporting Codes

PC5700 Ground Fault Trouble
 PC5700 Ground Fault Restore
 PC5700 TLM Line 1 Trouble
 PC5700 TLM Line 1 Restore
 PC5700 TLM Line 2 Trouble
 PC5700 TLM Line 2 Restore

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

Call Direction Options**Alarm/Restore Communicator Call Directions**

Section	Partition	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]	1							
[352]	2							
[353]	3							
[354]	4							
[355]	5							
[356]	6							
[357]	7							
[358]	8							

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

Tamper/Restore Communicator Call Directions

Section	Partition	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]	1							
[360]	2							
[361]	3							
[362]	4							
[363]	5							
[364]	6							
[365]	7							
[366]	8							

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

Opening/Closing Communicator Call Directions

Section	Partition	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]	1		☐	☐	☐	☐	☐	☐
[368]	2		☐	☐	☐	☐	☐	☐
[369]	3		☐	☐	☐	☐	☐	☐
[370]	4		☐	☐	☐	☐	☐	☐
[371]	5		☐	☐	☐	☐	☐	☐
[372]	6		☐	☐	☐	☐	☐	☐
[373]	7		☐	☐	☐	☐	☐	☐
[374]	8		☐	☐	☐	☐	☐	☐

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.

NOTE: Transmission delay cannot be used in conjunction with Downlook.

[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 Alarm Kypd Ringback disabled
OFF ☐	2	Open After Alarm Bell Ringback enabled	Open After Alarm 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	()	☐	☐	☐	☐	☐	☐	☐	☐
Main Board / PC5208										
[503]	** 3	()	☐	☐	☐	☐	☐	☐	☐	☐
[504]	** 4	()	☐	☐	☐	☐	☐	☐	☐	☐

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

** These two sections allow you to program both PGM3 and PGM4 on the main panel, and the first two PGM outputs on the PC5208. If you use both the main panel and the PC5208 outputs, PGM3 will work the same as the first PC5208 output, and PGM4 will work the same as the second PC5208 output.

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 Partition Assignment

Section	PGM #	Partition:	1	2	3	4	5	6	7	8
Main Board										
[551]	1		☐	☐	☐	☐	☐	☐	☐	☐
[552]	2		☐	☐	☐	☐	☐	☐	☐	☐
Main Board / PC5208										
[553]	3		☐	☐	☐	☐	☐	☐	☐	☐
[554]	4		☐	☐	☐	☐	☐	☐	☐	☐
PC5208										
[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 Tamper Require Installer Reset	All System Tamper 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.

[805] PC5100 Programming

Please refer to your PC5100 *Installation Manual* for programming locations and instructions.

[806] PC5108L Programming

Please refer to your PC5108L *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

[906] Local Test of Downlook Remote Trigger

Enter this section to initiate a test of the Downlook Remote Trigger. To tell the panel which telephone number to use and how to send the remote trigger script, select one of the following options:

- [1] Telephone number 1, via landline
- [2] Telephone number 2, via landline
- [3] Telephone number 1, via LINKS1000
- [4] Telephone number 2, via LINKS1000

[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 PC5020 to Factory Default Programming

Appendix A: Programming LCD5500Z Keypads

If you have an LCD5500Z 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.

LCD5500Z v2.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.

[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 < >" _____

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.

[60] First User Display Mask

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

[61] Second User Display Mask

Default		Option	ON	OFF
OFF	☐	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

[62] 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

[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	[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	

[65] Fourth User Display Mask

Default		Option	ON	OFF
ON	☐	1	User Initiated Call-up prompt ON	User Initiated Call-up prompt OFF
OFF	☐	2	For Future Use	
OFF	☐	3	For Future Use	
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	

[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.

[97] View Software Version

[98] Initiate Global Label Broadcast

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

Step 1 - Program one LCD keypad completely.

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

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

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

[99] Reset LCD EEPROM to Factory Defaults

ASCII Characters

032	#	&	>	,	/	<	?	^		~	ä	ç	ï	ñ	ö	ú
033	!	\$	'	*	-	=	@	_	}	°	ë	è	í	ó		
034	"	%	<	+	.	:	>	I	~	á	æ	í	ð	ó	ú	
035																

LCD5500Z v3.0 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.

[001] to [064] Zone Labels (14 Characters)

Default: "Zone 1" - "Zone 64"

[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	

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.

[075] Fourth User Display Mask

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

OFF

User Initiated Call-up prompt OFF
 Last Code to Disarm/Arm prompt OFF
 Walk Test Prompt ON
 Command Output #1 prompt OFF
 Command Output #2 prompt OFF
 Command Output #3 prompt OFF
 Command Output #4 prompt OFF

[076] Keypad Options

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

OFF

Display 'X' when Programming
 Local Clock Display Disabled
 Local Clock Displays AM/PM
 Auto Alarm Memory Scroll Disabled
 Local Display of Temperature Disabled
 Bypass Options prompt OFF
 Auto Scroll Open Zones Disabled

[077] Fifth User Display Mask

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

OFF

Thermostat CTRL Prompt OFF
 Temperature Setting Prompt OFF
 Occupancy Mode Prompt OFF
 Thermostat Mode Prompt OFF
 Fan Control Prompt OFF
 For Keypad View Prompt OFF

[078] Sixth User Display Mask

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

OFF

Occupancy Mode Auxiliary Prompt OFF
 Occupancy Mode Day Prompt OFF
 Occupancy Mode Away Prompt OFF
 Occupancy Mode Night Prompt OFF

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

Partition Labels

Default: "System" - "Partition 8"

Section	Partition	Label
[101]	1/System	
[102]	2	
[103]	3	
[104]	4	
[105]	5	
[106]	6	
[107]	7	
[108]	8	

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	_____
[128]	3	1	_____
[129]	3	2	_____
[130]	3	3	_____
[131]	3	4	_____
[132]	4	1	_____
[133]	4	2	_____
[134]	4	3	_____
[135]	4	4	_____
[136]	5	1	_____
[137]	5	2	_____
[138]	5	3	_____
[139]	5	4	_____
[140]	6	1	_____
[141]	6	2	_____
[142]	6	3	_____
[143]	6	4	_____
[144]	7	1	_____
[145]	7	2	_____
[146]	7	3	_____
[147]	7	4	_____
[148]	8	1	_____
[149]	8	2	_____
[150]	8	3	_____
[151]	8	4	_____

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.

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.

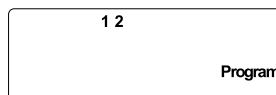
Alarms Displayed While Armed Option

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 *Power864 Installation Manual* for more information on these keys and their options. To turn any of the emergency keys on or

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 *Power864 User's Guide*. You can change how the keypad displays the time with options [1] to [3] in programming section [6].

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
ON	☐	1 Local Clock Display Enabled
ON	☐	2 Local Clock Displays AM/PM
OFF	☐	3 Open Zones Override Clock Display
OFF	☐	4 Scandinavian Approvals enabled
OFF	☐	5 Alarms Not Displayed While Armed
OFF	☐	6 Door Chime Enabled for Zone Openings
OFF	☐	7 Door Chime Enabled for Zone Closings
OFF	☐	8 For Future Use

Off
Local Clock Display Disabled
Local Clock Displays 24-hour Time
Open Zones Do Not Override Clock
Scandinavian Approvals disabled
Alarms Always Displayed While Armed
Door Chime Disabled for Zone Openings
Door Chime Disabled for Zone Closings

[7] Emergency Key Options

Default	Option	On
ON	☐	1 [F] Key Enabled
ON	☐	2 [A] Key Enabled
ON	☐	3 [P] Key Enabled
OFF	☐	4-8 For Future Use

Off
[F] Key Disabled
[A] Key Disabled
[P] Key Disabled

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.

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. Refer to the *Power864 Installation Manual* for more information.

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:

- ·3 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 *Power864 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] - [64].

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] 4 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] 3 Beeps (default)	[2] “Bing-bing”	[3] “Ding-dong”	[4] Alarm tone
[01]						
[02]						
[03]						
[04]						
[05]						
[06]						
[07]						
[08]						
[09]						
[10]						
[11]						
[12]						
[13]						
[14]						
[15]						
[16]						
[17]						
[18]						
[19]						
[20]						
[21]						
[22]						
[23]						
[24]						
[25]						

Zone	Location	Options:	[1] 3 Beeps (default)	[2] "Bing-bing"	[3] "Ding-dong"	[4] Alarm tone
[26]						
[27]						
[28]						
[29]						
[30]						
[31]						
[32]						
[33]*						
[34]*						
[35]*						
[36]*						
[37]*						
[38]*						
[39]*						
[40]*						
[41]*						
[42]*						
[43]*						
[44]*						
[45]*						
[46]*						
[47]*						
[48]*						
[49]*						
[50]*						
[51]*						
[52]*						
[53]*						
[54]*						
[55]*						
[56]*						
[57]*						
[58]*						
[59]*						
[60]*						
[61]*						
[62]*						
[63]*						
[64]*						

*Zones 33 to 64 only available on LCD5501Z v2.x and higher keypads.

Appendix C: PC5020 Commercial Fire Programming Guide

This section is to be used for programming features related directly to Central and Remote Station Fire Monitoring purposes.

NOTE: *The programming as underlined below must be present to successfully satisfy Commercial Fire Installations. For any Combination Burglary/Commercial Fire Installations; Commercial Fire enable options take precedence over Burglary programming options.*

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

PGM 2 must be programmed as type 04 (2-wire smoke support). PGM outputs beyond PGM 4 must not be in Commercial Fire applications.

Four-wire Smoke Detectors

Zones 1-8 of PC5020 and zones 1-4 on PC5700 may be programmed as 4-wire smoke detectors. To do so enter programming Option 08 in the desired zone location. Refer to Programming Worksheets Section 3 (Basic Programming) Section # [001], [002], [003], [004].

[013] First System Option Code

Default	Option	ON	OFF
OFF ☐	1	Normally Closed Loops	End of Line Resistors

NOTE: *Do not turn this Option ON for Commercial Fire Installations.*

[016] Fourth System Option Code

Default	Option	ON	OFF
OFF ☐	2	AC Trouble Light Flashes if	AC Fails Trouble Light Does Not Follow AC Status

NOTE: *For Commercial Fire Applications, this option must be turned ON.*

[018] Sixth System Option Code

Default Option ON OFF

Default	Option	ON	OFF
OFF ☐	8	AC Trouble Beeps Enabled	AC Trouble Beeps Disabled

NOTE: *For Commercial Fire applications this option must be turned ON.*

[030] Zone Loop Response Option Code (Optional for Commercial Fire Use)

Fast loop response = Zone response to a violated zone (36ms)

Normal Loop response = Zone response to a violated zone (540ms). **Note: All zones are defaulted to this setting.**

Refer to *Installation Manual*: Section 5.3 [030] for description.

[165] Maximum Dialing Attempts for Commercial Fire Applications

Default: 007 Valid entries for maximum dialing attempts must be set in between the range of 005 and 010.

[166] Post Dial Handshake for Commercial Fire Applications

Default: 040 Valid entries for maximum dialing attempts must be set in between the range of 001 and 090.

[177] Waterflow Delay Timer

The maximum time allowed for a waterflow delay time is 120 seconds.

NOTE: *This time is to be a combination of both the control unit and the waterflow device.*

[178] Alarm Tone Verified for Verbal Alarm

NOTE: *This feature is not to be used for Commercial Fire Applications.*

[304] Call Waiting String

Default: OFF ☐ This feature must not be enabled for Commercial Fire Applications.

Refer to Section [382] Option 3 from *Installation Manual* and *Programming Worksheets*.

[320]-[347],[349] Reporting Codes

NOTE: *ALL these reporting codes are defaulted as FF.*

[350] Communicator Format Options

Default: 04 SIA FSK SIA -FSK is the approved format for Commercial Fire Applications.

NOTE: Do not change the communication format from its default setting.

[351] - [376] Communicator Call Direction Option 5 Alternate Communicator Option

NOTE: Not to be used for Commercial Fire applications

[377] Communication Variables

Default: 030 AC Failure Communication Delay

For 24hr standby battery configuration enter any value between 006 and 012 hours (for a 60Hr standby battery configuration enter any value from 015 and 030 Hours).

This battery depletion range is based on the AC trouble communication delay when the back up battery capacity is at least 25% depleted but not more than 50 % of the proposed duration period. In this case either 24 hours or 60 hours of continuous backup)

Default: 030 Test Transmission cycle (Land Line)*

*For Commercial Fire applications, 001 must be programmed for 1 day (24hours).

[382] Third Communicator Option Code

Default	Option	ON	OFF
OFF	6	AC Transmission Delay in Hours	AC Transmission Delay In Minutes

[378] Test Transmission Time of Day

NOTE: For Commercial Fire applications do not enter 9999 to disable this feature. A valid time of day must be entered

[390] -[393] - LINKS 1000 Preambles

NOTE: Do not use this section for Commercial Fire applications.

[401]-[406],[490],[499] Downloading Options

NOTE: NOT for field use. Must not be used for Commercial Fire applications

[501]-[504] Programmable Output Attributes.

Commercial Fire applications attributes from Sections [501] to [504] apply to the PGM outputs from the control panel only.

[701] - [703] International Programming

NOTE: These options must not be changed from the factory default settings for Commercial Fire applications

[801] - [806] Module Programming

NOTE: These sections are not to be used in Commercial Fire Applications.

[901] - Walk Test

NOTE: This is a diagnostic tool that is to be used by installers only.

[902] - [903] Module Field Supervision Reset/Field

NOTE: This is a diagnostic tool that is to be used by Installers only.

[904],[906],[993],[995]

NOTE: These sections are not to be used for Commercial Fire applications.

[999] PC5020 Factory Default Programming

This is a diagnostic tool that is to be used by Installers only if needed.

* If the system is defaulted, program the system according to the Commercial Fire Programming Guide for Central or Remote Station Fire Monitoring, see Section 6 of the *Installation Manual*.

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

Power864 Programming Guidelines					
Item	Page	Section	Item	Page	Section
Zone Programming			Pager		
Zone Definitions	20	[001]-[004]	First, Second, Third Phone Numbers	31	[301]-[303]
Zone Attributes	29	[101]-[164]	Call Waiting Cancel String	31	[304]
Adding Hardwire Zones			System Account Number	31	[310]
Assigning Zones to Zone Expanders	7	2.6	Partition Account Numbers	31	[311]-[318]
Partition Selection Mask	30	[201]	Reporting Codes	App. A	[320]-[349]
Assigning Zones to Partitions	30	[202]-[265]	Communicator Format Options	34	[350]
Zone Definitions	20	[001]-[004]	Communicator Call Direction	36	[351]-[376]
Zone Attributes	29	[101]-[164]	Residential Dial		
Adding Wireless Zones			First, Second, Third Phone Numbers	31	[301]-[303]
Enrolling Wireless Serial Numbers	PC5132 Manual [804]		Call Waiting Cancel String	31	[304]
Partition Selection Mask	30	[201]	System Account Number	31	[310]
Assigning Zones to Partitions	30	[202]-[265]	Partition Account Numbers	31	[311]-[318]
Zone Definitions	20	[001]-[004]	Reporting Codes	App. A	[320]-[349]
Zone Attributes	29	[101]-[164]	Communicator Format Options	34	[350]
Adding AML Zones			Communicator Call Direction	36	[351]-[376]
Enrolling Wireless Serial Numbers	PC5100 Manual [805]		Test Transmission		
Partition Selection Mask	30	[201]	Test Transmission Reporting Codes	App. A	[348]
Assigning Zones to Partitions	30	[202]-[265]	Communication Variables	36	[377]
Zone Definitions	20	[001]-[004]	Test Transmission Time of Day	37	[378]
Zone Attributes	29	[101]-[164]	Sixth System Option Code, Option [1]	27	[018]
Adding Keypad Zones			Telephone Line Monitoring (TLM)		
Keypad Assignment	7	[000]	Third System Option Code, Options [7, 8]	25	[015]
Keypad Zone Assignment	29	[020]	Communication Variables	36	[377]
Partition Selection Mask	30	[201]	Reporting Codes	App. A	[345, 364]
Assigning Zones to Partitions	30	[202]-[265]	PGM Outputs		
Wiring Keypad Zones	10	2.11	PGM1 and PGM2 Outputs	22	[009]
2 Wire Smoke Detectors			PGM3 to PGM10 Outputs	22	[010]
Programmable Output Options	22	[009]	PGM11 to PGM14 Outputs	22	[011]
Priority Alarm/Restore Reporting Codes	32	[329]	PGM Output Attributes	41	[501]-[515]
Zone Wiring - 2 Wire Smoke Detectors	8	2.10	PGM Partition Assignment	45	[551]-[564]
Cross Zones			Downloading		
Cross Zoning / Police Zone Select Option [6]	28	[018]	First Downloading Option Code	41	[401]
Zone Attributes	29	[101]-[164]	Downloading Computer Phone Number	41	[402]
Cross Zone / Police Code Timer	29	[176]	Downloading Access Code	41	[403]
Miscellaneous Alarm Reporting Codes	32	[328]	Panel Identification Code	41	[404]
Additional Partitions			Double Call Timer	41	[405]
Keypad Assignment	7	[000]	Number of Rings to Answer	41	[406]
Partition & Zone Programming	30	[202]-[265]	Bell Output Options		
Partition 1-8 Account Codes	31	[311]-[317]	System Times	21	[005], [009]
Programming Access Codes	15	4.2	First System Option Code, Option [8]	24	[013]
Local System			Second System Option Code, Options [1]-[5]	24	[014]
Communicator Enabled/Disabled	37	[380]	Automatic Arming		
Third System Option Code, Option [7]	25	[015]	Automatic Arming Schedule	30	[181]-[188]
SIA Communications			Postpone Auto Arming Timer	29	[175]
First, Second, Third Phone Numbers	31	[301]-[304]	Auto-Arming Pre-Alert	30	[199]
Call Waiting Cancel String	31	[304]	Fifth System Option Code, Option [1]	26	[017]
System Account Code	31	[310]	No Activity Arming		
Partition Account Numbers	31	[311]-[318]	No Activity Arming Timers	30	[191]-[198]
Reporting Codes	App. A	[320]-[349]	No Activity Arming Pre-Alert	30	[190]
Communicator Format Options	34	[350]	Module Programming		
Communicator Call Direction	36	[351]-[376]	Module Programming	43	[801]-[851]
First, Second, Third Communicator Options	37	[380]-[382]	Special Installer Functions		
Contact ID Communications			Special Installer Functions	44	[901]-[999]
First, Second, Third Phone Numbers	31	[301]-[303]			
Call Waiting Cancel String	31	[304]			
System Account Number	31	[310]			
Partition Account Numbers	31	[311]-[318]			
Reporting Codes	App. A	[320]-[349]			
Communicator Format Options	34	[350]			
Communicator Call Direction	36	[351]-[376]			
First, Second, Third Communicator Options	37	[380]-[382]			

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 interference 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 determined 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, Washington 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 of this equipment.

Notification to Telephone Company The customer shall notify the telephone company of the particular line to which the connection will be made, and provide the FCC registration number and the ringer equivalence of the protective circuit.

FCC Registration Number: F53CAN-34330-AL-E

Ringer Equivalence Number: 0.1B

USOC Jack: RJ-31X

Telephone Connection Requirements Except for the telephone company provided ringers, all connections to the telephone network shall be made through standard plugs and telephone company provided jacks, or equivalent, in such a manner as to allow for easy, immediate disconnection of the terminal equipment.

Industry Canada Statement

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.

L'indice de charge (IC) assigné à chaque dispositif terminal indique, pour éviter toute surcharge, le pourcentage de la charge totale qui peut être raccordée à un circuit téléphonique bouclé utilisé par ce dispositif. La terminaison du circuit bouclé peut être constituée de n'importe quelle combinaison de dispositifs, pourvu que la somme des indices de charge de l'ensemble des dispositifs ne dépasse pas 100.

L'Indice de charge de ce produit est 0.1B.

Standard jacks shall be so arranged that, if the plug connected thereto is withdrawn, no interference to the operation of the equipment at the customer's premises which remains connected to the telephone network shall occur by reason of such withdrawal.

Incidence of Harm Should terminal equipment or protective circuitry cause harm to the telephone network, the telephone company shall, where practicable, notify the customer that temporary disconnection of service may be required; however, where prior notice is not practicable, the telephone company may temporarily discontinue service if such action is deemed reasonable in the circumstances. In the case of such temporary discontinuance, the telephone company shall promptly notify the customer and will be given the opportunity to correct the situation.

Additional Telephone Company Information The security control panel must be properly connected to the telephone line with a USOC RJ-31X telephone jack.

The FCC prohibits customer-provided terminal equipment be connected to party lines or to be used in conjunction with coin telephone service. Interconnect rules may vary from state to state.

Changes in Telephone Company Equipment or Facilities The telephone company may make changes in its communications facilities, equipment, operations or procedures, where such actions are reasonably required and proper in its business. Should any such changes render the customer's terminal equipment incompatible with the telephone company facilities the customer shall be given adequate notice to the effect modifications to maintain uninterrupted service.

Ringer Equivalence Number (REN) The REN is useful to determine the quantity of devices that you may connect to your telephone line and still have all of those devices ring when your telephone number is called. In most, but not all areas, the sum of the RENs of all devices connected to one line should not exceed five (5.0). To be certain of the number of devices that you may connect to your line, you may want to contact your local telephone company.

Equipment Maintenance Facility If you experience trouble with this telephone equipment, please contact the facility indicated below for information on obtaining service or repairs. The telephone company may ask that you disconnect this equipment from the network until the problem has been corrected or until you are sure that the equipment is not malfunctioning.

Digital Security Controls Ltd. 160 Washburn St., Lockport, NY 14094

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.

The Load Number (LN) assigned to each terminal device denotes the percentage of the total load to be connected to a telephone loop which is used by the device, to prevent overloading. The termination on a loop may consist of any combination of devices subject only to the requirement that the total of the Load Numbers of all the devices does not exceed 100.

The Load Number of this unit is 0.1B.

