

# Programming Worksheets

**DSC<sup>®</sup>**  
**Power 864<sup>™</sup>**

---

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

PC5020/PC502OCF Version 3.2

DLS-3 v1.3 and higher

# Table of Contents

---

<b>Power864 Programming Guidelines</b>	<b>Inside Back Cover</b>	Call Direction Options .....	20
<b>Section 1: For the Record</b>	<b>1</b>	[377] Communication Variables .....	21
Account Information .....	1	Communicator Options.....	22
Zone Programming Summary .....	2	LINKS1000 Preambles .....	22
<b>Section 2: Keypad Programming</b>	<b>4</b>	<b>Section 7: Downloading Options</b>	<b>23</b>
<b>Section 3: Basic Programming</b>	<b>5</b>	<b>Section 8: Programmable Output Programming</b>	<b>24</b>
Zone Definitions .....	5	Programmable Output Attributes .....	24
System Times and Codes .....	6	PGM Output Partition Assignment .....	25
Programmable Output Options.....	6	<b>Section 9: International Programming</b>	<b>26</b>
Other System Options.....	7	<b>Section 10: Module Programming</b>	<b>27</b>
Keypad Zone Assignments.....	8	<b>Section 11: Special Installer Functions</b>	<b>28</b>
Zone Loop Response Option Code.....	8	<b>Appendix A: Programming LCD5500Z Keypads</b>	<b>29</b>
<b>Section 4: Advanced System Programming</b>	<b>9</b>	LCD5500Z v2.x and Lower Keypads .....	29
Zone Attributes .....	9	ASCII Characters .....	31
System Timers .....	11	LCD5500Z v3.0 and Higher Keypads .....	31
Automatic Arming Schedule .....	11	ASCII Characters .....	35
<b>Section 5: Partition and Zone Programming</b>	<b>13</b>	<b>Appendix B: Programming LCD5501Z Keypads</b>	<b>36</b>
[201] Partition Selection Mask .....	13	Programming Keypad Options.....	36
Assigning Zones to Partitions .....	13	Programming Door Chime Options .....	37
<b>Section 6: Communicator Programming</b>	<b>16</b>	<b>Appendix C: PC5020 Commercial Fire</b>	<b>39</b>
Telephone Numbers .....	16	<b>Programming Guide</b>	
[350] Communicator Format Options .....	20		

# 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:

- |                                    |  |   |
|------------------------------------|--|---|
| <b>00</b> Not used                 | <b>11</b> [*][5] Access Code Programming           | <b>22</b> Active Camera Monitor Selection |
| <b>01</b> Select Partition 1       | <b>12</b> [*][6] User Functions                    | <b>23</b> Bypass Recall                   |
| <b>02</b> Select Partition 2       | <b>13</b> Command Output #1 [*][7][1]              | <b>24</b> Recall Bypass Group             |
| <b>03</b> Stay Arm                 | <b>14</b> Command Output #2 [*][7][2]/Sensor Reset | <b>25</b> For Future Use                  |
| <b>04</b> Away Arm                 | <b>15</b> General Voice Prompted Help              | <b>26</b> For Future Use                  |
| <b>05</b> [*][9] No-Entry Arm      | <b>16</b> [*][0] Quick Exit                        | <b>27</b> Select Partition 3              |
| <b>06</b> [*][4] Chime On / Off    | <b>17</b> [*][1] Reactivate Stay/Away Zones        | <b>28</b> Select Partition 4              |
| <b>07</b> [*][6][—][4] System Test | <b>18</b> Identified Voice Prompted Help           | <b>29</b> Select Partition 5              |
| <b>08</b> [*][1] Bypass Mode       | <b>19</b> Command Output 3 [*][7][3]               | <b>30</b> Select Partition 6              |
| <b>09</b> [*][2] Trouble Display   | <b>20</b> For Future Use                           | <b>31</b> Select Partition 7              |
| <b>10</b> [*][3] Alarm Memory      | <b>21</b> Command Output 4 [*][7][4]               | <b>32</b> 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

<b>00</b> Null Zone (Not Used)	<b>12</b> 24 Hour Holdup*	<b>23</b> Maintained Keyswitch Arm*
<b>01</b> Delay 1*	<b>13</b> 24 Hour Gas*	<b>24</b> LINKS1000 Answer*
<b>02</b> Delay 2*	<b>14</b> 24 Hour Heating*	<b>25</b> Interior Delay*
<b>03</b> Instant*	<b>15</b> 24 Hour Auxiliary*	<b>26</b> 24 Hour Non-alarm*
<b>04</b> Interior*	<b>16</b> 24 Hour Panic*	<b>27</b> Delayed 24 Hour Waterflow
<b>05</b> Interior, Stay/Away*	<b>17</b> 24 Hour Emergency*	<b>28</b> Instant 24 Hour Waterflow
<b>06</b> Delay, Stay/Away*	<b>18</b> 24 Hour Sprinkler*	<b>29</b> Auto Verified Fire
<b>07</b> Delayed 24 Hour Fire (Hardwired)**	<b>19</b> 24 Hour Water*	<b>30</b> Fire Supervisory
<b>08</b> Standard 24 Hour Fire (Hardwired)	<b>20</b> 24 Hour Freeze*	<b>31</b> Day Zone*
<b>09</b> 24 Hour Supervisory	<b>21</b> 24 Hour Latching Tamper*	<b>87</b> Delay 24 Hour Fire (Wireless)**
<b>10</b> 24 Hour Supervisory Buzzer*	<b>22</b> Momentary Keyswitch Arm*	<b>88</b> Standard 24 Hour Fire (Wireless)**
<b>11</b> 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.
<b>[001]</b>	01	01	□□	<b>[003]</b>	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	□□
<b>[002]</b>	17	00	□□	<b>[004]</b>	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

- |   |  |
|---|--|
| <b>01</b> Residential Burglary and Fire Bell Output           | <b>14</b> Ground Start Pulse               |
| <b>02</b> For Future Use                                      | <b>15</b> Remote Operation (DLS-3 Support) |
| <b>03</b> Sensor Reset [*][7][2]                              | <b>16</b> LINKS1000 Support (PGM1 only)    |
| <b>04</b> 2 Wire Smoke Support (PGM 2 only)                   | <b>17</b> Away Armed Status                |
| <b>05</b> System Armed Status                                 | <b>18</b> Stay Armed Status                |
| <b>06</b> Ready To Arm  | <b>19</b> Command Output #1 ([*][7][1])    |
| <b>07</b> Keypad Buzzer Follow Mode                           | <b>20</b> Command Output #2 ([*][7][2])    |
| <b>08</b> Courtesy Pulse                                      | <b>21</b> Command Output #3 ([*][7][3])    |
| <b>09</b> System Trouble Output (with Trouble options)        | <b>22</b> Command Output #4 ([*][7][4])    |
| <b>10</b> System Event [Strobe (with Event options)]          | <b>23</b> 24 Hour Silent Input             |
| <b>11</b> System Tamper (all sources: zones, keypad, modules) | <b>24</b> 24 Hour Audible Input            |
| <b>12</b> TLM and Alarm                                       | <b>25</b> Delayed Fire and Burglary Output |
| <b>13</b> 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	<input type="checkbox"/>	PGM 11	01	<input type="checkbox"/>	PGM 13
01	<input type="checkbox"/>	PGM 12	01	<input type="checkbox"/>	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	<input type="checkbox"/>	Number of Invalid Codes Before Lockout (001-255 codes)
000	<input type="checkbox"/>	Lockout Duration (001-255 minutes)

**[013] First System Option Code**

Default	Option	ON	OFF
OFF <input type="checkbox"/>	1	Normally Closed Loops	End-of-Line Resistors
OFF <input type="checkbox"/>	2	Double End-of-Line Resistors	Single End-of-Line Resistors
ON* <input type="checkbox"/>	3	Panel shows all troubles when armed	Panel shows only Fire troubles when armed
OFF <input type="checkbox"/>	4	Tampers/Faults do not show as open	Tampers/Faults show as open
ON <input type="checkbox"/>	2	Auto-arm Schedule in [*][6]†	Auto-arm Schedule in Installer Programming Only
ON <input type="checkbox"/>	6	Audible Exit Fault Enabled	Audible Exit Fault Disabled
ON <input type="checkbox"/>	7	Event Buffer Follows Swinger Shutdown	Event Buffer Logs Events Past shutdown
OFF <input type="checkbox"/>	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 <input type="checkbox"/>	1	Arm / Disarm Bell Squawk enabled	Arm / Disarm Bell Squawk disabled
OFF <input type="checkbox"/>	2	Bell Squawk During Auto Arm	No Bell Squawk During Auto Arm
OFF <input type="checkbox"/>	3	Bell Squawk On Exit Delay	No Bell Squawk On Exit Delay
OFF <input type="checkbox"/>	4	Bell Squawk On Entry Delay	No Bell Squawk On Entry Delay
OFF <input type="checkbox"/>	5	Bell Squawk On Trouble	No Bell Squawk On Trouble
ON <input type="checkbox"/>	6	Audible Exit with Urgency	Silent Exit Delay
OFF <input type="checkbox"/>	7	Exit Delay Termination Enabled	Exit Delay Termination Disabled
OFF <input type="checkbox"/>	8	Residential Fire Bell is Continuous	Residential Fire Bell Follows Bell Cut-off

**[015] Third System Option Code**

Default	Option	ON	OFF
ON <input type="checkbox"/>	1	Fire Keys Enabled	Fire Keys Disabled
OFF <input type="checkbox"/>	2	Panic Keys Audible (Bell / Beeps)	Panic Keys Silent
OFF <input type="checkbox"/>	3	Quick Exit Enabled	Quick Exit Disabled
ON* <input type="checkbox"/>	4	Quick Arming Enabled/ Function keys do not require code	Quick Arming Disabled/ Function keys require code
OFF** <input type="checkbox"/>	5	Code Required For Bypassing	No Code Required
OFF <input type="checkbox"/>	6	Master Code Not Changeable	Master Code Changeable
ON <input type="checkbox"/>	7	TLM Enabled	TLM Disabled
OFF <input type="checkbox"/>	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	<input type="checkbox"/> 1	AC Trouble Displayed	AC Trouble Not Displayed
OFF	<input type="checkbox"/> 2	Trouble Light Flashes if AC Fails	Trouble Light Does Not Follow AC Status
OFF	<input type="checkbox"/> 3	Blank Keypad When Not Used	Keypad Active Always
OFF	<input type="checkbox"/> 4	Code Required to Remove Keypad Blanking	No Code Required
ON	<input type="checkbox"/> 5	Keypad Backlighting is enabled	Keypad Backlighting is disabled
OFF	<input type="checkbox"/> 6	Power Save Mode enabled	Power Save Mode disabled
OFF	<input type="checkbox"/> 7	Bypass Status Displayed While Armed	Bypass Status Not Displayed While Armed
OFF	<input type="checkbox"/> 8	Keypad Tamper enabled	Keypad Tamper disabled

### [017] Fifth System Option Code

Default	Option	ON	OFF
ON	<input type="checkbox"/> 1	WLS Key Does Not Use Access Codes*	WLS Key Uses Access Codes
OFF	<input type="checkbox"/> 2	RF Jam Log After 5 Minutes	RF Jam Log After 30 Seconds
OFF	<input type="checkbox"/> 3	Audible RF Jam Trouble Beeps	Silent RF Trouble Jam Beeps
OFF	<input type="checkbox"/> 4	Double Hit Enabled	Double Hit Disabled
OFF	<input type="checkbox"/> 5	Late to Close Enabled	Late to Close Disabled
OFF	<input type="checkbox"/> 6	Daylight Savings Time Enabled	Daylight Savings Time Disabled
ON	<input type="checkbox"/> 7	Periodic Camera Test Enabled	Periodic Camera Test Disabled
OFF	<input type="checkbox"/> 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	<input type="checkbox"/> 1	Test Transmission Exception Enabled	Test Transmission Exception Disabled
OFF	<input type="checkbox"/> 2	Verbal Chime Enabled	Verbal Chime Disabled
OFF	<input type="checkbox"/> 3	Verbal Alarm Enabled	Verbal Alarm Disabled
OFF	<input type="checkbox"/> 4	Water-Flow Silence Inhibit Enabled	Water-Flow Silence Inhibit Disabled
OFF	<input type="checkbox"/> 5	Keypad Buzzer Follows Bell Enabled	Keypad Buzzer Follows Bell Disabled
OFF	<input type="checkbox"/> 6	Cross Zoning Enabled	Cross Zoning Disabled
ON	<input type="checkbox"/> 7	Exit Delay Restart Enabled	Exit Delay Restart Disabled
OFF	<input type="checkbox"/> 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	<input type="checkbox"/>	Keypad (slot 1) Zone	Valid entries are zones 01-64
00	<input type="checkbox"/>	Keypad (slot 2) Zone	Valid entries are zones 01-64
00	<input type="checkbox"/>	Keypad (slot 3) Zone	Valid entries are zones 01-64
00	<input type="checkbox"/>	Keypad (slot 4) Zone	Valid entries are zones 01-64
00	<input type="checkbox"/>	Keypad (slot 5) Zone	Valid entries are zones 01-64
00	<input type="checkbox"/>	Keypad (slot 6) Zone	Valid entries are zones 01-64
00	<input type="checkbox"/>	Keypad (slot 7) Zone	Valid entries are zones 01-64
00	<input type="checkbox"/>	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	<input type="checkbox"/> 1	Zone 1 is Fast Loop Response	Zone 1 is Normal Loop Response
OFF	<input type="checkbox"/> 2	Zone 2 is Fast Loop Response	Zone 2 is Normal Loop Response
OFF	<input type="checkbox"/> 3	Zone 3 is Fast Loop Response	Zone 3 is Normal Loop Response
OFF	<input type="checkbox"/> 4	Zone 4 is Fast Loop Response	Zone 4 is Normal Loop Response
OFF	<input type="checkbox"/> 5	Zone 5 is Fast Loop Response	Zone 5 is Normal Loop Response
OFF	<input type="checkbox"/> 6	Zone 6 is Fast Loop Response	Zone 6 is Normal Loop Response
OFF	<input type="checkbox"/> 7	Zone 7 is Fast Loop Response	Zone 7 is Normal Loop Response
OFF	<input type="checkbox"/> 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	( )	<input type="checkbox"/>								
[102]	02	( )	<input type="checkbox"/>								
[103]	03	( )	<input type="checkbox"/>								
[104]	04	( )	<input type="checkbox"/>								
[105]	05	( )	<input type="checkbox"/>								
[106]	06	( )	<input type="checkbox"/>								
[107]	07	( )	<input type="checkbox"/>								
[108]	08	( )	<input type="checkbox"/>								
[109]	09	( )	<input type="checkbox"/>								
[110]	10	( )	<input type="checkbox"/>								
[111]	11	( )	<input type="checkbox"/>								
[112]	12	( )	<input type="checkbox"/>								
[113]	13	( )	<input type="checkbox"/>								
[114]	14	( )	<input type="checkbox"/>								

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	( )	<input type="checkbox"/>								
[116]	16	( )	<input type="checkbox"/>								
[117]	17	( )	<input type="checkbox"/>								
[118]	18	( )	<input type="checkbox"/>								
[119]	19	( )	<input type="checkbox"/>								
[120]	20	( )	<input type="checkbox"/>								
[121]	21	( )	<input type="checkbox"/>								
[122]	22	( )	<input type="checkbox"/>								
[123]	23	( )	<input type="checkbox"/>								
[124]	24	( )	<input type="checkbox"/>								
[125]	25	( )	<input type="checkbox"/>								
[126]	26	( )	<input type="checkbox"/>								
[127]	27	( )	<input type="checkbox"/>								
[128]	28	( )	<input type="checkbox"/>								
[129]	29	( )	<input type="checkbox"/>								
[130]	30	( )	<input type="checkbox"/>								
[131]	31	( )	<input type="checkbox"/>								
[132]	32	( )	<input type="checkbox"/>								
[133]	33	( )	<input type="checkbox"/>								
[134]	34	( )	<input type="checkbox"/>								
[135]	35	( )	<input type="checkbox"/>								
[136]	36	( )	<input type="checkbox"/>								
[137]	37	( )	<input type="checkbox"/>								
[138]	38	( )	<input type="checkbox"/>								
[139]	39	( )	<input type="checkbox"/>								
[140]	40	( )	<input type="checkbox"/>								
[141]	41	( )	<input type="checkbox"/>								
[142]	42	( )	<input type="checkbox"/>								
[143]	43	( )	<input type="checkbox"/>								
[144]	44	( )	<input type="checkbox"/>								
[145]	45	( )	<input type="checkbox"/>								
[146]	46	( )	<input type="checkbox"/>								
[147]	47	( )	<input type="checkbox"/>								
[148]	48	( )	<input type="checkbox"/>								
[149]	49	( )	<input type="checkbox"/>								
[150]	50	( )	<input type="checkbox"/>								
[151]	51	( )	<input type="checkbox"/>								
[152]	52	( )	<input type="checkbox"/>								
[153]	53	( )	<input type="checkbox"/>								
[154]	54	( )	<input type="checkbox"/>								
[155]	55	( )	<input type="checkbox"/>								
[156]	56	( )	<input type="checkbox"/>								
[157]	57	( )	<input type="checkbox"/>								
[158]	58	( )	<input type="checkbox"/>								
[159]	59	( )	<input type="checkbox"/>								
[160]	60	( )	<input type="checkbox"/>								
[161]	61	( )	<input type="checkbox"/>								
[162]	62	( )	<input type="checkbox"/>								
[163]	63	( )	<input type="checkbox"/>								
[164]	64	( )	<input type="checkbox"/>								

\*\*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
<b>[181]</b>	1	Sunday	<input type="text"/>	<b>[185]</b>	5	Sunday	<input type="text"/>
		Monday	<input type="text"/>			Monday	<input type="text"/>
		Tuesday	<input type="text"/>			Tuesday	<input type="text"/>
		Wednesday	<input type="text"/>			Wednesday	<input type="text"/>
		Thursday	<input type="text"/>			Thursday	<input type="text"/>
		Friday	<input type="text"/>			Friday	<input type="text"/>
		Saturday	<input type="text"/>			Saturday	<input type="text"/>
<b>[182]</b>	2	Sunday	<input type="text"/>	<b>[186]</b>	6	Sunday	<input type="text"/>
		Monday	<input type="text"/>			Monday	<input type="text"/>
		Tuesday	<input type="text"/>			Tuesday	<input type="text"/>
		Wednesday	<input type="text"/>			Wednesday	<input type="text"/>
		Thursday	<input type="text"/>			Thursday	<input type="text"/>
		Friday	<input type="text"/>			Friday	<input type="text"/>
		Saturday	<input type="text"/>			Saturday	<input type="text"/>
<b>[183]</b>	3	Sunday	<input type="text"/>	<b>[187]</b>	7	Sunday	<input type="text"/>
		Monday	<input type="text"/>			Monday	<input type="text"/>
		Tuesday	<input type="text"/>			Tuesday	<input type="text"/>
		Wednesday	<input type="text"/>			Wednesday	<input type="text"/>
		Thursday	<input type="text"/>			Thursday	<input type="text"/>
		Friday	<input type="text"/>			Friday	<input type="text"/>
		Saturday	<input type="text"/>			Saturday	<input type="text"/>
<b>[184]</b>	4	Sunday	<input type="text"/>	<b>[188]</b>	8	Sunday	<input type="text"/>
		Monday	<input type="text"/>			Monday	<input type="text"/>
		Tuesday	<input type="text"/>			Tuesday	<input type="text"/>
		Wednesday	<input type="text"/>			Wednesday	<input type="text"/>
		Thursday	<input type="text"/>			Thursday	<input type="text"/>
		Friday	<input type="text"/>			Friday	<input type="text"/>
		Saturday	<input type="text"/>			Saturday	<input type="text"/>

**[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	
<b>[191]</b>	1	_____	Valid entries are 001-255 seconds, 000 to disable
<b>[192]</b>	2	_____	Valid entries are 001-255 seconds, 000 to disable
<b>[193]</b>	3	_____	Valid entries are 001-255 seconds, 000 to disable
<b>[194]</b>	4	_____	Valid entries are 001-255 seconds, 000 to disable
<b>[195]</b>	5	_____	Valid entries are 001-255 seconds, 000 to disable
<b>[196]</b>	6	_____	Valid entries are 001-255 seconds, 000 to disable
<b>[197]</b>	7	_____	Valid entries are 001-255 seconds, 000 to disable
<b>[198]</b>	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	<input type="checkbox"/>	1 Partition 1 is enabled	(cannot be turned off)
OFF	<input type="checkbox"/>	2 Partition 2 is enabled	Disabled
OFF	<input type="checkbox"/>	3 Partition 3 is enabled	Disabled
OFF	<input type="checkbox"/>	4 Partition 4 is enabled	Disabled
OFF	<input type="checkbox"/>	5 Partition 5 is enabled	Disabled
OFF	<input type="checkbox"/>	6 Partition 6 is enabled	Disabled
OFF	<input type="checkbox"/>	7 Partition 7 is enabled	Disabled
OFF	<input type="checkbox"/>	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
		<input type="checkbox"/>							
[203]	1	09	10	11	12	13	14	15	16
		<input type="checkbox"/>							
[204]	1	17	18	19	20	21	22	23	24
		<input type="checkbox"/>							
[205]	1	25	26	27	28	29	30	31	32
		<input type="checkbox"/>							
[206]	1	33	34	35	36	37	38	39	40
		<input type="checkbox"/>							
[207]	1	41	42	43	44	45	46	47	48
		<input type="checkbox"/>							
[208]	1	49	50	51	52	53	54	55	56
		<input type="checkbox"/>							
[209]	1	57	58	59	60	61	62	63	64
		<input type="checkbox"/>							
Section	Partition	Zone:							
[210]	2	01	02	03	04	05	06	07	08
		<input type="checkbox"/>							
[211]	2	09	10	11	12	13	14	15	16
		<input type="checkbox"/>							
[212]	2	17	18	19	20	21	22	23	24
		<input type="checkbox"/>							
[213]	2	25	26	27	28	29	30	31	32
		<input type="checkbox"/>							
[214]	2	33	34	35	36	37	38	39	40
		<input type="checkbox"/>							
[215]	2	41	42	43	44	45	46	47	48
		<input type="checkbox"/>							
[216]	2	49	50	51	52	53	54	55	56
		<input type="checkbox"/>							
[217]	2	57	58	59	60	61	62	63	64
		<input type="checkbox"/>							

**Assigning Zones to Partitions (cont.)**

Section	Partition	Zone:							
		01	02	03	04	05	06	07	08
[218]	3	<input type="checkbox"/>							
[219]	3	<input type="checkbox"/>							
[220]	3	<input type="checkbox"/>							
[221]	3	<input type="checkbox"/>							
[222]	3	<input type="checkbox"/>							
[223]	3	<input type="checkbox"/>							
[224]	3	<input type="checkbox"/>							
[225]	3	<input type="checkbox"/>							

Section	Partition	Zone:							
		01	02	03	04	05	06	07	08
[226]	4	<input type="checkbox"/>							
[227]	4	<input type="checkbox"/>							
[228]	4	<input type="checkbox"/>							
[229]	4	<input type="checkbox"/>							
[230]	4	<input type="checkbox"/>							
[231]	4	<input type="checkbox"/>							
[232]	4	<input type="checkbox"/>							
[233]	4	<input type="checkbox"/>							

Section	Partition	Zone:							
		01	02	03	04	05	06	07	08
[234]	5	<input type="checkbox"/>							
[235]	5	<input type="checkbox"/>							
[236]	5	<input type="checkbox"/>							
[237]	5	<input type="checkbox"/>							
[238]	5	<input type="checkbox"/>							
[239]	5	<input type="checkbox"/>							
[240]	5	<input type="checkbox"/>							
[241]	5	<input type="checkbox"/>							

**Assigning Zones to Partitions (cont.)**

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

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

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

# 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. SIA will use this account code for all eight partitions. 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 four-digit account number for each active partition.

### Section Partition Partition Account Code

[311] 1 \_\_\_\_\_

[312] 2 \_\_\_\_\_

[313] 3 \_\_\_\_\_

[314] 4 \_\_\_\_\_

[315] 5 \_\_\_\_\_

[316] 6 \_\_\_\_\_

[317] 7 \_\_\_\_\_

[318] 8 \_\_\_\_\_

## Reporting Codes

### Alarm Reporting Codes, Zones 01-64

**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
	_____	_____	_____	_____	_____	_____	_____	_____
[322]	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
	_____	_____	_____	_____	_____	_____	_____	_____
[323]	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
	_____	_____	_____	_____	_____	_____	_____	_____

**Alarm Restoral Reporting Codes, Zones 01-64**

<b>Section</b>								
<b>[324]</b>	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  _ _
<b>[325]</b>	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  _ _
<b>[326]</b>	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  _ _
<b>[327]</b>	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**

<b>Section</b>								
<b>[330]</b>	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  _ _
<b>[331]</b>	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  _ _
<b>[332]</b>	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  _ _
<b>[333]</b>	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**

<b>[334]</b>	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  _ _
<b>[335]</b>	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  _ _
<b>[336]</b>	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  _ _
<b>[337]</b>	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**

<b>[339]</b>	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  _ _
<b>[340]</b>	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**

<b>[342]</b>	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  _ _
<b>[343]</b>	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
		<b>Defaults:</b>	<b>ON</b>	<b>OFF</b>	<b>OFF</b>	<b>OFF</b>	<b>ON</b>	<input type="checkbox"/>
[351]	1		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[352]	2		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[353]	3		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[354]	4		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[355]	5		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[356]	6		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[357]	7		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[358]	8		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

*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
		<b>Defaults:</b>	<b>ON</b>	<b>OFF</b>	<b>OFF</b>	<b>OFF</b>	<b>ON</b>	<input type="checkbox"/>
[359]	1		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[360]	2		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[361]	3		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[362]	4		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[363]	5		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[364]	6		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[365]	7		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[366]	8		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

*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	<input type="checkbox"/>
[367]	1		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[368]	2		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[369]	3		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[370]	4		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[371]	5		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[372]	6		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[373]	7		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[374]	8		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**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	<input type="checkbox"/>
[375]		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**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	<input type="checkbox"/>
[376]		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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

**[377] Communication Variables**

Default			
001	<input type="checkbox"/>	Swinger Shutdown (Alarms and Rest)	(001-002 Transmissions)
003	<input type="checkbox"/>	Swinger Shutdown (Tampers and Rest)	(001-014 Transmissions, 000=disabled)
003	<input type="checkbox"/>	Swinger Shutdown (Maint and Rest)	(001-014 Transmissions, 000=disabled)
030	<input type="checkbox"/>	Communication Delay	(015-045 seconds)
030	<input type="checkbox"/>	AC Failure Communication Delay	(001-255 minutes)
003	<input type="checkbox"/>	TLM Trouble Delay	(No. of checks required - valid entries 003 - 255)
030	<input type="checkbox"/>	Test Transmission Cycle (land line)	(001-255 days/minutes)†
030	<input type="checkbox"/>	Test Transmission Cycle (LINKS1000)	(001-255 days)
007	<input type="checkbox"/>	Zone Low Battery Transmission Delay	(000-255 days)
030	<input type="checkbox"/>	Delinquency Transmission Cycle	(000-255 days/hours)
005	<input type="checkbox"/>	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	<input type="checkbox"/>	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 <input type="checkbox"/>	1	Communications Enabled	Communications Disabled
OFF <input type="checkbox"/>	2	Restorals on Bell Time-out	Restorals Follow Zones
OFF <input type="checkbox"/>	3	Pulse Dialing	DTMF Dialing
OFF <input type="checkbox"/>	4	Switch to Pulse Dialing on 5th Attempt	DTMF Dial For All Attempts
OFF <input type="checkbox"/>	5	3rd Telephone Number enabled	3rd Telephone Number disabled
OFF <input type="checkbox"/>	6	Alternate Dial (1st and 3rd)	Call 1st Number, Backup to 3rd
OFF <input type="checkbox"/>	7	Call LINKS as well as Land Line	LINKS is Backup of Land Line(s)
OFF <input type="checkbox"/>	8	Delinquency Follows Zone Activity (Hours)	Delinquency Follows Arming (Days)

### [381] Second Communicator Option Code

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

### [382] Third Communicator Option Code

Default	Option	ON	OFF
OFF <input type="checkbox"/>	1	Contact ID. Partial Closing Identifier is 5	Partial Closing ID is 4
OFF <input type="checkbox"/>	2	Alarm Communications Enabled During Walk Test*	Alarm Communications Disabled During Walk Test
ON <input type="checkbox"/>	3	Communication Cancelled Message Enabled	Communication Cancelled Message Disabled
OFF <input type="checkbox"/>	4	Call Waiting Cancel Enabled**	Call Waiting Cancel Disabled
OFF <input type="checkbox"/>	5	T-Link Interface Enabled***	T-Link Interface Disabled
OFF <input type="checkbox"/>	6	AC Failure Transmission Delay is in Hours†	AC Failure Transmission Delay is in Minutes
OFF <input type="checkbox"/>	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:** FFFFFFFF  (Program all unused digits with Hex F)

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



# 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
<b>ON</b>	Not used	Not used	True Output	Follows Timer	Code Req.	Not used	Not used	Not used
<b>OFF</b>	—	—	Inverted	On / Off	No Code Req.	—	—	—
<b>PGM Option</b>								
[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
<b>PGM Option</b>								
<b>ON</b>	Serv. req.	AC Fail	TLM Fault	FTC	Zone Fault	Zone Tmp.	Zn. Low Bat.	Loss of Clock
<b>OFF</b>	Disabled	Disabled	Disabled	Disabled	Disabled	Disabled	Disabled	Disabled
[09] System Trouble	Y	Y	Y	Y	Y	Y	Y	Y
<b>ON</b>	Burg. Evnt.	Fire Evnt.	Panic Evnt.	Med. Evnt.	Supv. Evnt.	Priority Evnt.	Holdup Evnt.	Follows Timer*
<b>OFF</b>	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
<b>Main Board</b>										
[501]	1	( )	<input type="checkbox"/>							
[502]	2	( )	<input type="checkbox"/>							

**Main Board / PC5208**

[503]	** 3	( )	<input type="checkbox"/>							
[504]	** 4	( )	<input type="checkbox"/>							

\*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
<b>PC5208</b>										
[505]	5	( )	<input type="checkbox"/>							
[506]	6	( )	<input type="checkbox"/>							
[507]	7	( )	<input type="checkbox"/>							
[508]	8	( )	<input type="checkbox"/>							
[509]	9	( )	<input type="checkbox"/>							
[510]	10	( )	<input type="checkbox"/>							

**PC5204**

[511]	11	( )	<input type="checkbox"/>							
[512]	12	( )	<input type="checkbox"/>							
[513]	13	( )	<input type="checkbox"/>							
[514]	14	( )	<input type="checkbox"/>							

\*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
<b>Main Board</b>										
[551]	1		<input type="checkbox"/>							
[552]	2		<input type="checkbox"/>							
<b>Main Board / PC5208</b>										
[553]	3		<input type="checkbox"/>							
[554]	4		<input type="checkbox"/>							
<b>PC5208</b>										
[555]	5		<input type="checkbox"/>							
[556]	6		<input type="checkbox"/>							
[557]	7		<input type="checkbox"/>							
[558]	8		<input type="checkbox"/>							
[559]	9		<input type="checkbox"/>							
[560]	10		<input type="checkbox"/>							
<b>PC5204</b>										
[561]	11		<input type="checkbox"/>							
[562]	12		<input type="checkbox"/>							
[563]	13		<input type="checkbox"/>							
[564]	14		<input type="checkbox"/>							

# 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 <input type="checkbox"/>	1	50 Hz AC	60 Hz AC
OFF <input type="checkbox"/>	2	Time Base - Internal Crystal	Time Base - AC Line
OFF <input type="checkbox"/>	3	AC/DC Arming Inhibit Enabled	AC/DC Arming inhibit disabled
OFF <input type="checkbox"/>	4	All System Tamper Require Installer Reset	All System Tamper follow Restore
OFF <input type="checkbox"/>	5	6 digit User Access Codes	4 digit User Access Codes
OFF <input type="checkbox"/>	6	Busy Tone detection enabled	Busy Tone detection disabled
OFF <input type="checkbox"/>	7	High Current Battery Charge	Standard current battery charge
OFF <input type="checkbox"/>	8	For Future Use	

## [702] Second International Options Code

Default	Option	ON	OFF
OFF <input type="checkbox"/>	1	Pulse Dialing Make/Break Ratio is 33/67	Pulse Dialing Make/Break Ratio is 40/60
ON <input type="checkbox"/>	2	Force Dialing Enabled	Force Dialing Disabled
OFF <input type="checkbox"/>	3	Land Line Test Transmission in Minutes	Land line Test Transmission in Days
OFF <input type="checkbox"/>	4	1600 Hz Handshake	Standard Handshake
OFF <input type="checkbox"/>	5	ID Tone Enabled	ID Tone Disabled
OFF <input type="checkbox"/>	6	2100 Hz ID Tone	1300 Hz ID Tone
OFF <input type="checkbox"/>	7	One Time 1-Hr User Enabled DLS Window	Full 6-Hr User Enabled DLS Window
OFF <input type="checkbox"/>	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.

<b>Placement</b>	<b>Led Keypad</b>	<b>LCD Keypad</b>	<b>Bell / Buzzer</b>
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 <input type="checkbox"/>	1	Hold [P]anic Keys prompt ON	Hold [P]anic Keys prompt OFF
ON <input type="checkbox"/>	2	Zone Bypassing prompt ON	Zone Bypass prompt OFF
ON <input type="checkbox"/>	3	Troubles prompt ON	Troubles prompt OFF
ON <input type="checkbox"/>	4	Alarm Memory prompt ON	Alarm Memory prompt OFF
ON <input type="checkbox"/>	5	Door Chime Control prompt ON	Door Chime Control prompt OFF
ON <input type="checkbox"/>	6	Access Codes prompt ON	Access Codes prompt OFF
ON <input type="checkbox"/>	7	User Functions prompt ON	User Functions prompt OFF
ON <input type="checkbox"/>	8	Output Control prompt ON	Output Control prompt OFF

**[61] Second User Display Mask**

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

**[62] Third User Display Mask**

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

**[63] Downloaded LCD Message Duration**

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

**[64] Key Options**

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

**[65] Fourth User Display Mask**

Default	Option	ON	OFF
ON <input type="checkbox"/>	1	User Initiated Call-up prompt ON	User Initiated Call-up prompt OFF
OFF <input type="checkbox"/>	2	For Future Use	
OFF <input type="checkbox"/>	3	For Future Use	
ON <input type="checkbox"/>	4	Command Output #1 prompt ON	Command Output #1 prompt OFF
ON <input type="checkbox"/>	5	Command Output #2 prompt ON	Command Output #2 prompt OFF
OFF <input type="checkbox"/>	6	Command Output #3 prompt ON	Command Output #3 prompt OFF
OFF <input type="checkbox"/>	7	Command Output #4 prompt ON	Command Output #4 prompt OFF
OFF <input type="checkbox"/>	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	#	&	>	,	/	<	?	^		~	ü	ç	ï	ñ	ö	ú
035	!	\$	'	*	-	:	@	~	°	€	è	é	í	ò	ó	°
036	"	~	ç	+	•	•	•	•	•	•	•	•	•	•	•	•
037	~	ç	+	•	•	•	•	•	•	•	•	•	•	•	•	•
038																
039																
040																
041																
042																
043																
044																
045																
046																
047																
048																
049																
050																
051																
052																
053																
054																
055																

## 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 <input type="checkbox"/>	1	Hold [P]anic Keys prompt ON	Hold [P]anic Keys prompt OFF
ON <input type="checkbox"/>	2	Zone Bypassing prompt ON	Zone Bypass prompt OFF
ON <input type="checkbox"/>	3	Troubles prompt ON	Troubles prompt OFF
ON <input type="checkbox"/>	4	Alarm Memory prompt ON	Alarm Memory prompt OFF
ON <input type="checkbox"/>	5	Door Chime Control prompt ON	Door Chime Control prompt OFF
ON <input type="checkbox"/>	6	Access Codes prompt ON	Access Codes prompt OFF
ON <input type="checkbox"/>	7	User Functions prompt ON	User Functions prompt OFF
ON <input type="checkbox"/>	8	Output Control prompt ON	Output Control prompt OFF

**[071] Second User Display Mask**

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

**[072] Third User Display Mask**

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

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

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	OFF
ON <input type="checkbox"/>	1	User Initiated Call-up prompt ON	User Initiated Call-up prompt OFF
OFF <input type="checkbox"/>	2	Last Code to Disarm/Arm prompt ON	Last Code to Disarm/Arm prompt OFF
OFF <input type="checkbox"/>	3	Walk Test Prompt ON	Walk Test Prompt ON
ON <input type="checkbox"/>	4	Command Output #1 prompt ON	Command Output #1 prompt OFF
ON <input type="checkbox"/>	5	Command Output #2 prompt ON	Command Output #2 prompt OFF
OFF <input type="checkbox"/>	6	Command Output #3 prompt ON	Command Output #3 prompt OFF
OFF <input type="checkbox"/>	7	Command Output #4 prompt ON	Command Output #4 prompt OFF
OFF <input type="checkbox"/>	8	For Future Use	

**[076] Keypad Options**

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

**[077] Fifth User Display Mask**

Default	Option	ON	OFF
OFF <input type="checkbox"/>	1	Thermostat CTRL Prompt ON*	Thermostat CTRL Prompt OFF
OFF <input type="checkbox"/>	2	Temperature Setting Prompt ON*	Temperature Setting Prompt OFF
OFF <input type="checkbox"/>	3	Occupancy Mode Prompt ON*	Occupancy Mode Prompt OFF
OFF <input type="checkbox"/>	4	Thermostat Mode Prompt ON*	Thermostat Mode Prompt OFF
OFF <input type="checkbox"/>	5	Fan Control Prompt ON*	Fan Control Prompt OFF
OFF <input type="checkbox"/>	6	For Keypad View Prompt ON*	For Keypad View Prompt OFF
OFF <input type="checkbox"/>	7-8	For Future Use	

**[078] Sixth User Display Mask**

Default	Option	ON	OFF
OFF <input type="checkbox"/>	1	Occupancy Mode Auxiliary Prompt ON*	Occupancy Mode Auxiliary Prompt OFF
OFF <input type="checkbox"/>	2	Occupancy Mode Day Prompt ON*	Occupancy Mode Day Prompt OFF
OFF <input type="checkbox"/>	3	Occupancy Mode Away Prompt ON*	Occupancy Mode Away Prompt OFF
OFF <input type="checkbox"/>	4	Occupancy Mode Night Prompt ON*	Occupancy Mode Night Prompt OFF
OFF <input type="checkbox"/>	5-8	For Future Use	

**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	_____

**[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**

032	#	&	)	041	044	/	<	?	^	124	127	228	231	238	241	246	253
!	\$	'	*	-	:	=	@	_	>	125	176	229	234	239	244	248	254
033	036	039	042	045	058	061	064	095	125	126	225	230	236	240	245	249	255
034	037	040	043	046	059	062	093	123	126	225	230	236	240	245	249	255	

# 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

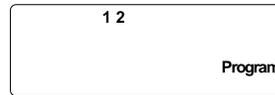
### [6] LCD5501Z Keypad Options

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

### [7] Emergency Key Options

Default	Option	On	Off
ON	<input type="checkbox"/>	1 [F] Key Enabled	[F] Key Disabled
ON	<input type="checkbox"/>	2 [A] Key Enabled	[A] Key Disabled
ON	<input type="checkbox"/>	3 [P] Key Enabled	[P] Key Disabled
OFF	<input type="checkbox"/>	4-8 For Future Use	

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].

## 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

**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)

**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.

### Door Chime Sound Programming

Zone	Location	Options:	[1]	[2]	[3]	[4]
			3 Beeps (default)	"Bing-bing"	"Ding-dong"	Alarm tone
[01]	_____		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[02]	_____		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[03]	_____		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[04]	_____		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[05]	_____		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[06]	_____		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[07]	_____		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[08]	_____		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[09]	_____		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[10]	_____		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[11]	_____		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[12]	_____		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[13]	_____		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[14]	_____		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[15]	_____		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[16]	_____		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[17]	_____		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[18]	_____		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[19]	_____		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[20]	_____		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[21]	_____		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[22]	_____		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[23]	_____		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[24]	_____		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[25]	_____		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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].

- [2]'Bing – Bing' tone  
 [3]'Ding – Dong' tone  
 [4]'Alarm' tone

6. When you are finished programming the door chime sounds, press [#] to exit.

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

\*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 <input type="checkbox"/>	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 <input type="checkbox"/>	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 <input type="checkbox"/>	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	<input type="checkbox"/> 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
<b>Zone Programming</b>			<b>Pager</b>		
Zone Definitions	20	[001]-[004]	First, Second, Third Phone Numbers	31	[301]-[303]
Zone Attributes	29	[101]-[164]	Call Waiting Cancel String	31	[304]
<b>Adding Hardwire Zones</b>			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]	<b>Residential Dial</b>		
<b>Adding Wireless Zones</b>			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]
<b>Adding AML Zones</b>			Communicator Call Direction	36	[351]-[376]
Enrolling Wireless Serial Numbers	PC5100 Manual [805]		<b>Test Transmission</b>		
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]
<b>Adding Keypad Zones</b>			<b>Telephone Line Monitoring (TLM)</b>		
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]	<b>PGM Outputs</b>		
Wiring Keypad Zones	10	2.11	PGM1 and PGM2 Outputs	22	[009]
<b>2 Wire Smoke Detectors</b>			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]
<b>Cross Zones</b>			<b>Downloading</b>		
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]
<b>Additional Partitions</b>			Double Call Timer	41	[405]
Keypad Assignment	7	[000]	Number of Rings to Answer	41	[406]
Partition & Zone Programming	30	[202]-[265]	<b>Bell Output Options</b>		
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]
<b>Local System</b>			Second System Option Code, Options [1]-[5]	24	[014]
Communicator Enabled/Disabled	37	[380]	<b>Automatic Arming</b>		
Third System Option Code, Option [7]	25	[015]	Automatic Arming Schedule	30	[181]-[188]
<b>SIA Communications</b>			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]	<b>No Activity Arming</b>		
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]	<b>Module Programming</b>		
Communicator Call Direction	36	[351]-[376]	Module Programming	43	[801]-[851]
First, Second, Third Communicator Options	37	[380]-[382]	<b>Special Installer Functions</b>		
<b>Contact ID Communications</b>			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., 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.

