Programming Worksheets

DSC® Power864™

SECURITY SYSTEM

PC5O2O Version 3.2A

DLS-3 v1.3 and higher

WARNING Please Read Carefully

Note to Installers

This warning contains vital information. As the only individual in contact with system users, it is your responsibility to bring each item in this warning to the attention of the users of this system.

System Failures

This system has been carefully designed to be as effective as possible. There are circumstances, however, involving fire, burglary, or other types of emergencies where it may not provide protection. Any alarm system of any type may be compromised deliberately or may fail to operate as expected for a variety of reasons. Some but not all of these reasons may be:

■ Inadequate Installation

A security system must be installed properly in order to provide adequate protection. Every installation should be evaluated by a security professional to ensure that all access points and areas are covered. Locks and latches on windows and doors must be secure and operate as intended. Windows, doors, walls, ceilings and other building materials must be of sufficient strength and construction to provide the level of protection expected. A reevaluation must be done during and after any construction activity. An evaluation by the fire and/or police department is highly recommended if this service is available.

■ Criminal Knowledge

This system contains security features which were known to be effective at the time of manufacture. It is possible for persons with criminal intent to develop techniques which reduce the effectiveness of these features. It is important that a security system be reviewed periodically to ensure that its features remain effective and that it be updated or replaced if it is found that it does not provide the protection expected.

■ Access by Intruders

Intruders may enter through an unprotected access point, circumvent a sensing device, evade detection by moving through an area of insufficient coverage, disconnect a warning device, or interfere with or prevent the proper operation of the system.

■ Power Failure

Control units, intrusion detectors, smoke detectors and many other security devices require an adequate power supply for proper operation. If a device operates from batteries, it is possible for the batteries to fail. Even if the batteries have not failed, they must be charged, in good condition and installed correctly. If a device operates only by AC power, any interruption, however brief, will render that device inoperative while it does not have power. Power interruptions of any length are often accompanied by voltage fluctuations which may damage electronic equipment such as a security system. After a power interruption has occurred, immediately conduct a complete system test to ensure that the system operates as intended.

■ Failure of Replaceable Batteries

This system's wireless transmitters have been designed to provide several years of battery life under normal conditions. The expected battery life is a function of the device environment, usage and type. Ambient conditions such as high humidity, high or low temperatures, or large temperature fluctuations may reduce the expected battery life. While each transmitting device has a low battery monitor which identifies when the batteries need to be replaced, this monitor may fail to operate as expected. Regular testing and maintenance will keep the system in good operating condition.

■ Compromise of Radio Frequency (Wireless) Devices

Signals may not reach the receiver under all circumstances which could include metal objects placed on or near the radio path or deliberate jamming or other inadvertent radio signal interference.

■ System Users

A user may not be able to operate a panic or emergency switch possibly due to permanent or temporary physical disability, inability to reach the device in time, or unfamiliarity with the correct operation. It is important that all system users be trained in the correct operation of the alarm system and that they know how to respond when the system indicates an alarm.

■ Smoke Detectors

Smoke detectors that are a part of this system may not properly alert occupants of a fire for a number of reasons, some of which follow. The smoke detectors may have been improperly installed or positioned. Smoke may not be able to reach the smoke detectors, such as when the fire is in a chimney, walls or roofs, or on the other side of closed doors. Smoke detectors may not detect smoke from fires on another level of the residence or building.

Every fire is different in the amount of smoke produced and the rate of burning. Smoke detectors cannot sense all types of fires equally well. Smoke detectors may not provide timely warning of fires caused by carelessness or safety hazards such as smoking in bed, violent explosions, escaping gas, improper storage of flammable materials, overloaded electrical circuits, children playing with matches or arson.

Even if the smoke detector operates as intended, there may be circumstances when there is insufficient warning to allow all occupants to escape in time to avoid injury or death.

■ Motion Detectors

Motion detectors can only detect motion within the designated areas as shown in their respective installation instructions. They cannot discriminate between intruders and intended occupants. Motion detectors do not provide volumetric area protection. They have multiple beams of detection and motion can only be detected in unobstructed areas covered by these beams. They cannot detect motion which occurs behind walls, ceilings, floor, closed doors, glass partitions, glass doors or windows. Any type of tampering whether intentional or unintentional such as masking, painting, or spraying of any material on the lenses, mirrors, windows or any other part of the detection system will impair its proper operation.

Passive infrared motion detectors operate by sensing changes in temperature. However their effectiveness can be reduced when the ambient temperature rises near or above body temperature or if there are intentional or unintentional sources of heat in or near the detection area. Some of these heat sources could be heaters, radiators, stoves, barbeques, fireplaces, sunlight, steam vents, lighting and so on.

■ Warning Devices

Warning devices such as sirens, bells, horns, or strobes may not warn people or waken someone sleeping if there is an intervening wall or door. If warning devices are located on a different level of the residence or premise, then it is less likely that the occupants will be alerted or awakened. Audible warning devices may be interfered with by other noise sources such as stereos, radios, televisions, air conditioners or other appliances, or passing traffic. Audible warning devices, however loud, may not be heard by a hearing-impaired person.

■ Telephone Lines

If telephone lines are used to transmit alarms, they may be out of service or busy for certain periods of time. Also an intruder may cut the telephone line or defeat its operation by more sophisticated means which may be difficult to detect.

■ Insufficient Time

There may be circumstances when the system will operate as intended, yet the occupants will not be protected from the emergency due to their inability to respond to the warnings in a timely manner. If the system is monitored, the response may not occur in time to protect the occupants or their belongings.

■ Component Failure

Although every effort has been made to make this system as reliable as possible, the system may fail to function as intended due to the failure of a component.

■ Inadequate Testing

Most problems that would prevent an alarm system from operating as intended can be found by regular testing and maintenance. The complete system should be tested weekly and immediately after a break-in, an attempted break-in, a fire, a storm, an earthquake, an accident, or any kind of construction activity inside or outside the premises. The testing should include all sensing devices, keypads, consoles, alarm indicating devices and any other operational devices that are part of the system.

■ Security and Insurance

Regardless of its capabilities, an alarm system is not a substitute for property or life insurance. An alarm system also is not a substitute for property owners, renters, or other occupants to act prudently to prevent or minimize the harmful effects of an emergency situation.

Limited Warranty

Digital Security Controls Ltd. warrants the original purchaser that for a period of twelve months from the date of purchase, the product shall be free of defects in materials and workmanship under normal use. During the warranty period, Digital Security Controls Ltd. shall, at its option, repair or replace any defective product upon return of the product to its factory, at no charge for labour and materials. Any replacement and/or repaired parts are warranted for the remainder of the original warranty or ninety (90) days, whichever is longer. The original purchaser must promptly notify Digital Security Controls Ltd. in writing that there is defect in material or workmanship, such written notice to be received in all events prior to expiration of the warranty period. There is absolutely no warranty on software and all software products are sold as a user license under the terms of the software license agreement included with the product. The Customer assumes all responsibility for the proper selection, installation, operation and maintenance of any products purchased from DSC. Custom products are only warranted to the extent that they do not function upon delivery. In such cases, DSC can replace or credit at its option.

International Warranty

The warranty for international customers is the same as for any customer within Canada and the United States, with the exception that Digital Security Controls Ltd. shall not be responsible for any customs fees, taxes, or VAT that may be due.

Warranty Procedure

To obtain service under this warranty, please return the item(s) in question to the point of purchase. All authorized distributors and dealers have a warranty program. Anyone returning goods to Digital Security Controls Ltd. must first obtain an authorization number. Digital Security Controls Ltd. will not accept any shipment whatsoever for which prior authorization has not been obtained.

Conditions to Void Warranty

This warranty applies only to defects in parts and workmanship relating to normal use. It does not cover:

- damage incurred in shipping or handling;
- damage caused by disaster such as fire, flood, wind, earthquake or lightning;
- damage due to causes beyond the control of Digital Security Controls Ltd. such as excessive voltage, mechanical shock or water damage;
- damage caused by unauthorized attachment, alterations, modifications or foreign objects;
- damage caused by peripherals (unless such peripherals were supplied by Digital Security Controls Ltd.);
- defects caused by failure to provide a suitable installation environment for the products;
- damage caused by use of the products for purposes other than those for which it was designed;
- damage from improper maintenance;
- damage arising out of any other abuse, mishandling or improper application of the products.

Items Not Covered by Warranty

In addition to the items which void the Warranty, the following items shall not be covered by Warranty: (i) freight cost to the repair centre; (ii) products which are not identified with DSC's product label and lot number or serial number; (iii) products disassembled or repaired in such a manner as to adversely affect performance or prevent adequate inspection or testing to verify any warranty claim. Access cards or tags returned for replacement under warranty will be credited or replaced at DSC's option. Products not covered by this warranty, or otherwise out of warranty due to age, misuse, or damage shall be evaluated, and a repair estimate shall be provided. No repair work will be performed until a valid purchase order is received from the Customer and a Return Merchandise Authorisation number (RMA) is issued by DSC's Customer Service.

Digital Security Controls Ltd.'s liability for failure to repair the product under this warranty after a reasonable number of attempts will be limited to a replacement of the product, as the exclusive remedy for breach of warranty. Under no circumstances shall Digital Security Controls Ltd. be liable for any special, incidental, or consequential damages based upon breach of warranty, breach of contract, negligence, strict liability, or any other legal theory. Such damages include, but are not limited to, loss of profits, loss of the product or any associated equipment, cost of capital, cost of substitute or replacement equipment, facilities or services, down time, purchaser's time, the claims of third parties, including customers, and injury to property. The laws of some jurisdictions limit or do not allow the disclaimer of consequential damages. If the laws of such a jurisdiction apply to any claim by or against DSC, the limitations and disclaimers contained here shall be to the greatest extent permitted by law. Some states do not allow the exclusion or limitation of incidental or consequential damages, so that the above may not apply to you.

Disclaimer of Warranties

This warranty contains the entire warranty and shall be in lieu of any and all other warranties, whether expressed or implied (including all implied warranties of merchantability or fitness for a particular purpose) and of all other obligations or liabilities on the part of Digital Security Controls Ltd. Digital Security Controls Ltd. neither assumes responsibility for, nor authorizes any other person purporting to act on its behalf to modify or to change this warranty, nor to assume for it any other warranty or liability concerning this product. This disclaimer of warranties and limited warranty are governed by the laws of the province of Ontario, Canada.

WARNING: Digital Security Controls Ltd. recommends that the entire system be completely tested on a regular basis. However, despite frequent testing, and due to, but not limited to, criminal tampering or electrical disruption, it is possible for this product to fail to perform as expected.

Out of Warranty Repairs

Digital Security Controls Ltd. will at its option repair or replace out-of-warranty products which are returned to its factory according to the following conditions. Anyone returning goods to Digital Security Controls Ltd. must first obtain an authorization number. Digital Security Controls Ltd. will not accept any shipment whatsoever for which prior authorization has not been obtained.

Products which Digital Security Controls Ltd. determines to be repairable will be repaired and returned. A set fee which Digital Security Controls Ltd. has predetermined and which may be revised from time to time, will be charged for each unit repaired.

Products which Digital Security Controls Ltd. determines not to be repairable will be replaced by the nearest equivalent product available at that time. The current market price of the replacement product will be charged for each replacement unit.

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
Zone Programming		
Zone Definitions	**21**	[001]-[004]
Zone Attributes	**32**	[101]-[164]
Adding Hardwired Zones		
Assigning Zones to Zone Expanders	**7**	2.6
Partition Selection Mask	**33**	[201]
Assigning Zones to Partitions	**33**	[202]-[265]
Zone Definitions	**21**	[001]-[004]
Zone Attributes	**32**	[101]-[164]
Adding Wireless Zones		
Enrolling Wireless Serial Numbers	**PC5132 Manual [804]**	
Partition Selection Mask	**33**	[201]
Assigning Zones to Partitions	**33**	[202]-[265]
Zone Definitions	**21**	[001]-[004]
Zone Attributes	**32**	[101]-[164]
Adding AML Zones		
Enrolling Wireless Serial Numbers	**PC5100 Manual [805]**	
Partition Selection Mask	**33**	[201]
Assigning Zones to Partitions	**33**	[202]-[265]
Zone Definitions	**21**	[001]-[004]
Zone Attributes	**32**	[101]-[164]
Adding Keypad Zones		
Keypad Assignment	**7**	[000]
Keypad Zone Assignment	**31**	[020]
Partition Selection Mask	**33**	[201]
Assigning Zones to Partitions	**33**	[202]-[265]
Wiring Keypad Zones	**10**	2.11
2 Wire Smoke Detectors		
Programmable Output Options	**23**	[009]
Priority Alarm/Restore Reporting Codes	**34**	[329]
Zone Wiring - 2 Wire Smoke Detectors	**8**	2.10
Cross Zones		
Sixth System Option Code - Option [6]	**30**	[018]
Zone Attributes	**32**	[101]-[164]
Cross Zone / Police Code Timer	**32**	[176]
Miscellaneous Alarm Reporting Codes	**34**	[328]
Additional Partitions		
Keypad Assignment	**7**	[000]
Partition & Zone Programming	**33**	[202]-[265]
Partition 1-8 Account Codes	**34**	[311]-[317]
Programming Access Codes	**15**	4.2
Local System		
First Communicator Option Code, Option [1]	**40**	[380]
Third System Option Code, Option [7]	**28**	[015]
SIA Communications		
First, Second, Third Phone Numbers	**34**	[301]-[304]
Call Waiting Cancel String	**34**	[304]
System Account Code	**34**	[310]
Partition Account Numbers	**34**	[311]-[318]
Reporting Codes	**App. A**	[320]-[349]
Communicator Format Options	**37**	[350]
Communicator Call Direction	**39**	[351]-[376]
First, Second, Third Communicator Options	**40**	[380]-[382]
Contact ID Communications		
First, Second, Third Phone Numbers	**34**	[301]-[303]
Call Waiting Cancel String	**34**	[304]
System Account Number	**34**	[310]
Partition Account Numbers	**34**	[311]-[318]
Reporting Codes	**App. A**	[320]-[349]
Communicator Format Options	**37**	[350]
Communicator Call Direction	**39**	[351]-[376]
First, Second, Third Communicator Options	**40**	[380]-[382]

Item	Page	Section
Pager		
First, Second, Third Phone Numbers	**34**	[301]-[303]
Call Waiting Cancel String	**34**	[304]
System Account Number	**34**	[310]
Partition Account Numbers	**34**	[311]-[318]
Reporting Codes	**App. A**	[320]-[349]
Communicator Format Options	**37**	[350]
Communicator Call Direction	**39**	[351]-[376]
Residential Dial		
First, Second, Third Phone Numbers	**34**	[301]-[303]
Call Waiting Cancel String	**34**	[304]
System Account Number	**34**	[310]
Partition Account Numbers	**34**	[311]-[318]
Reporting Codes	**App. A**	[320]-[349]
Communicator Format Options	**37**	[350]
Communicator Call Direction	**39**	[351]-[376]
Test Transmission		
Test Transmission Reporting Codes	**App. A**	[348]
Communication Variables	**39**	[377]
Test Transmission Time of Day	**40**	[378]
Sixth System Option Code, Option [1]	**30**	[018]
Telephone Line Monitoring (TLM)		
Third System Option Code, Options [7, 8]	**28**	[015]
Communication Variables	**39**	[377]
Reporting Codes	**App. A**	[345, 364]
PGM Outputs		
PGM1 and PGM2 Outputs	**23**	[009]
PGM3 to PGM10 Outputs	**23**	[010]
PGM11 to PGM14 Outputs	**23**	[011]
PGM Output Attributes	**44**	[501]-[514]
PGM Output Partition Assignment	**45**	[551]-[564]
Downloading		
First Downloading Option Code	**44**	[401]
Downloading Computer Phone Number	**44**	[402]
Downloading Access Code	**44**	[403]
Panel Identification Code	**44**	[404]
Double Call Timer	**44**	[405]
Number of Rings to Answer	**44**	[406]
Bell Output Options		
System Times	**22**	[005], [009]
First System Option Code, Option [8]	**26**	[013]
Second System Option Code, Options [1]-[5]	**27**	[014]
Automatic Arming		
Automatic Arming Schedule	**33**	[181]-[188]
Postpone Auto Arming Timer	**32**	[175]
Auto-Arming Pre-Alert	**33**	[199]
Fifth System Option Code, Option [1]	**29**	[017]
No Activity Arming		
No Activity Arming Timers	**33**	[191]-[198]
No Activity Arming Pre-Alert	**33**	[190]
International Programming		
Automatic Clock Adjust	**45**	[700]
International Option Codes	**45**	[701]-[702]
Delay Between Dialing Attempts	**46**	[703]
Module Programming		
Module Programming	**47**	[801]-[851]
Special Installer Functions		
Special Installer Functions	**47**	[901]-[999]

Table of Contents

Section 1: For the Record **1**
Account Information 1
Zone Programming Summary 2

Section 2: Keypad Programming **4**

Section 3: Basic Programming **5**
Zone Definitions 5
System Times and Codes 6
Programmable Output Options 6
Other System Options 7
Keypad Zone Assignments 8
Zone Loop Response Option Code 8

Section 4: Advanced System Programming **9**
Zone Attributes 9
System Timers 11
Automatic Arming Schedule 11

Section 5: Partition and Zone Programming **13**
[201] Partition Selection Mask 13
Assigning Zones to Partitions 13

Section 6: Communicator Programming **16**
Telephone Numbers 16
[350] Communicator Format Options 20
Call Direction Options 20
[377] Communication Variables 21
Communicator Options 22
LINKS1000 Preambles 22

Section 7: Downloading Options **23**

Section 8: Programmable Output Programming **24**
Programmable Output Attributes 24
PGM Output Partition Assignment 25

Section 9: International Programming **26**

Section 10: Module Programming **27**

Section 11: Special Installer Functions **28**

Appendix A: Programming LCD5500Z/ Keypads **29**
LCD5500Z v2.x and Lower Keypads 29
ASCII Characters 31
LCD5500Z v3.0 and Higher Keypads 31
ASCII Characters 35

Appendix B: Programming LCD5501Z Keypads **36**
Programming Keypad Options 36
Programming Door Chime Options 37

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		

* DVACS is a registered trademark of Electro Arts Limited.

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.

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

***Zone Attributes:**

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

Section 2: Keypad Programming

[000] Keypad Enrollment

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

[0] Slot address [Valid entries are 0-8 for the partition, 1-8 for the slot. (e.g., to enroll a keypad in partition 3 and slot 1, enter (31)]

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

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

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

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

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

Function Key Options:

00 Not used
01 Select Partition 1
02 Select Partition 2
03 Stay Arm
04 Away Arm
05 [*][9] No-Entry Arm
06 [*][4] Chime On / Off
07 [*][6][——][4] System Test
08 [*][1] Bypass Mode
09 [*][2] Trouble Display
10 [*][3] Alarm Memory
11 [*][5] Access Code Programming
12 [*][6] User Functions
13 Command Output #1 [*][7][1]
14 Command Output #2 [*][7][2]/Sensor Reset
15 General Voice Prompted Help
16 [*][0] Quick Exit
17 [*][1] Reactivate Stay/Away Zones
18 Identified Voice Prompted Help
19 Command Output 3 [*][7][3]
20 For Future Use
21 Command Output 4 [*][7][4]
22 Active Camera Monitor Selection
23 Bypass Recall
24 Recall Bypass Group
25 For Future Use
26 For Future Use
27 Select Partition 3
28 Select Partition 4
29 Select Partition 5
30 Select Partition 6
31 Select Partition 7
32 Select Partition 8

	Partition/ Slot	Function Key 1	Function Key 2	Function Key 3	Function Key 4	Function Key 5
LCD5501/LED defaults	11	03	04	06	14	16
LCD Defaults	18	03	04	06	14	16
KEYPAD 1	_____	_____	_____	_____	_____	_____
KEYPAD 2	_____	_____	_____	_____	_____	_____
KEYPAD 3	_____	_____	_____	_____	_____	_____
KEYPAD 4	_____	_____	_____	_____	_____	_____
KEYPAD 5	_____	_____	_____	_____	_____	_____
KEYPAD 6	_____	_____	_____	_____	_____	_____
KEYPAD 7	_____	_____	_____	_____	_____	_____
KEYPAD 8	_____	_____	_____	_____	_____	_____

Section 3: Basic Programming

Zone Definitions

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

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

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

NOTE: *Keypad zones are assigned in section [020]. Zone Attributes are assigned in sections [101] - [164]. Zone assignment is in sections [202] - [265].*

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

System Times and Codes

[005] System Times

NOTE: *Valid entries for Entry Delay is between 001-255, valid entries for Exit Delay is between 001-255.*

[01] Partition 1 Entry/Exit times

030	I___I___I___I	Entry Delay 1
045	I___I___I___I	Entry Delay 1
060	I___I___I___I	Exit Delay

[02] Partition 2 Entry/Exit times

030	I___I___I___I	Entry Delay 1
045	I___I___I___I	Entry Delay 1
060	I___I___I___I	Exit Delay

[03] Partition 3 Entry/Exit times

030	I___I___I___I	Entry Delay 1
045	I___I___I___I	Entry Delay 1
060	I___I___I___I	Exit Delay

[04] Partition 4 Entry/Exit times

030	I___I___I___I	Entry Delay 1
045	I___I___I___I	Entry Delay 1
060	I___I___I___I	Exit Delay

[05] Partition 5 Entry/Exit times

030	I___I___I___I	Entry Delay 1
045	I___I___I___I	Entry Delay 1
060	I___I___I___I	Exit Delay

[06] Partition 6 Entry/Exit times

030	I___I___I___I	Entry Delay 1
045	I___I___I___I	Entry Delay 1
060	I___I___I___I	Exit Delay

[07] Partition 7 Entry/Exit times

030	I___I___I___I	Entry Delay 1
045	I___I___I___I	Entry Delay 1
060	I___I___I___I	Exit Delay

[08] Partition 8 Entry/Exit times

030	I___I___I___I	Entry Delay 1
045	I___I___I___I	Entry Delay 1
060	I___I___I___I	Exit Delay

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

004 I___I___I___I Enter 3 digits from 001-255

[006] Installer's Code

Default

5555 I___I___I___I___I

[007] Master Code

Default

1234 I___I___I___I___I

[008] Maintenance Code

Default

AAAA I___I___I___I___I

Programmable Output Options

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

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

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

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

Default			Default		
19	I___I___I	PGM 1	10	I___I___I	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			Default		
01	I___I___I	PGM 3 (main panel/PC5208)*	01	I___I___I	PGM 7 (PC5208)
01	I___I___I	PGM 4 (main panel/PC5208)*	01	I___I___I	PGM 8 (PC5208)
01	I___I___I	PGM 5 (PC5208)	01	I___I___I	PGM 9 (PC5208)
01	I___I___I	PGM 6 (PC5208)	01	I___I___I	PGM 10 (PC5208)

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

[011] PGM11 to PGM14 Output Programming (PC5204)

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

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

Other System Options

[012] Keypad Lockout Options

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

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

[013] First System Option Code

Default		Option	ON	OFF
OFF	___	1	Normally Closed Loops	End-of-Line Resistors
OFF	___	2	Double End-of-Line Resistors	Single End-of-Line Resistors
ON*	___	3	Panel Shows All Troubles When Armed	Panel Shows Only Fire Troubles When Armed
OFF	___	4	Tampers/Faults Do Not Show As Open	Tampers/Faults Show as Open
ON	___	5	Auto-arm Schedule in [*][6]†	Auto-arm Schedule in Installer Programming Only
OFF	___	6	Audible Exit Fault Enabled	Audible Exit Fault Disabled
ON	___	7	Event Buffer Follows Swinger Shutdown	Event Buffer Logs Events Past Shutdown
OFF	___	8	Temporal Three Fire Signal Enabled	Standard Pulsed Fire Signal

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

†This option applies to all partitions.

[014] Second System Option Code

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

[015] Third System Option Code

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

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

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

[016] Fourth System Option Code

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

[017] Fifth System Option Code

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

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

[018] Sixth System Option Code

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

NOTE: *For Cross Zoning to function, Option[6] in Section [018] and Option [9] in Section [101]-[164] must be ON for the desired zone. Each zone has the ability to protect the intended area. Cross Zoning is not recommended for line security installations or on exit/entry zone types.*

Keypad Zone Assignments

[020] Keypad Zone Assignments

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

Default		
00	Keypad (slot 1) Zone	Valid entries are zones 01-64
00	Keypad (slot 2) Zone	Valid entries are zones 01-64
00	Keypad (slot 3) Zone	Valid entries are zones 01-64
00	Keypad (slot 4) Zone	Valid entries are zones 01-64
00	Keypad (slot 5) Zone	Valid entries are zones 01-64
00	Keypad (slot 6) Zone	Valid entries are zones 01-64
00	Keypad (slot 7) Zone	Valid entries are zones 01-64
00	Keypad (slot 8) Zone	Valid entries are zones 01-64

Zone Loop Response Option Code

[030] Sixth System Option Code

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

Section 4: Advanced System Programming

Zone Attributes

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

Attribute:	1	2	3	4	5	6	7	8	9
ON	Audible	Steady	Chime	Bypass	Force	Swing	Tx. Delay	Wireless Zn	Cross Zn
OFF	Silent	Pulsed	No	No	No	No	No	No	No
Zone Type:									
00 Null Zone	N	N	N	N	N	N	N	N	N
01 Delay 1	Y	Y	Y	Y	N	Y	N	N	N
02 Delay 2	Y	Y	Y	Y	N	Y	N	N	N
03 Instant	Y	Y	Y	Y	N	Y	N	N	N
04 Interior	Y	Y	N	Y	N	Y	N	N	N
05 Int. Stay/Away	Y	Y	N	Y	Y	Y	N	N	N
06 Dly. Stay/Away	Y	Y	N	Y	Y	Y	N	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	N	N	N	N
10 24hr Superv. Buzzer	N	Y	N	Y	N	N	N	N	N
11 24hr Burglary	Y	Y	N	Y	N	N	N	N	N
12 24hr Holdup	N	Y	N	N	N	N	N	N	N
13 24hr Gas	Y	N	N	N	N	N	N	N	N
14 24hr Heating	Y	N	N	N	N	N	N	N	N
15 24hr Medical	Y	Y	N	N	N	N	N	N	N
16 24hr Panic	Y	Y	N	N	N	N	N	N	N
17 24hr Emergency	Y	Y	N	N	N	N	N	N	N
18 24hr Sprinkler	Y	Y	N	N	N	N	N	N	N
19 24hr Water	Y	Y	N	N	N	N	N	N	N
20 24hr Freeze	Y	Y	N	N	N	N	N	N	N
21 24hr Latching Tamper	Y	Y	N	N	N	N	N	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	N	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	N	N	N
87 Dly. 24hr Fire (Wireless)	Y	N	N	N	N	N	N	Y	N
88 Stand. 24hr Fire (Wireless)	Y	N	N	N	N	N	N	Y	N

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

Section	Zone #	Zone Type**	Audible/ Silent 1	Steady/ Pulsed 2	Chime No 3	Bypass No 4	Force No 5	Swing No 6	Tx. Delay No 7	Wireless No 8	Cross Zn No 9
[115]	15	( )									
[116]	16	( )									
[117]	17	( )									
[118]	18	( )									
[119]	19	( )									
[120]	20	( )									
[121]	21	( )									
[122]	22	( )									
[123]	23	( )									
[124]	24	( )									
[125]	25	( )									
[126]	26	( )									
[127]	27	( )									
[128]	28	( )									
[129]	29	( )									
[130]	30	( )									
[131]	31	( )									
[132]	32	( )									
[133]	33	( )									
[134]	34	( )									
[135]	35	( )									
[136]	36	( )									
[137]	37	( )									
[138]	38	( )									
[139]	39	( )									
[140]	40	( )									
[141]	41	( )									
[142]	42	( )									
[143]	43	( )									
[144]	44	( )									
[145]	45	( )									
[146]	46	( )									
[147]	47	( )									
[148]	48	( )									
[149]	49	( )									
[150]	50	( )									
[151]	51	( )									
[152]	52	( )									
[153]	53	( )									
[154]	54	( )									
[155]	55	( )									
[156]	56	( )									
[157]	57	( )									
[158]	58	( )									
[159]	59	( )									
[160]	60	( )									
[161]	61	( )									
[162]	62	( )									
[163]	63	( )									
[164]	64	( )									

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

System Timers

[165] Maximum Dialing Attempts to Each Telephone Number
Default: 003 |__|__|__| Valid entries are 001-015 attempts (do not enter 000).

[166] Post Dial Wait for Handshake (All Formats)
Default: 040 |__|__|__| Valid entries are 001-255 seconds

[167] T-Link Communications Wait for Acknowledge Delay
Default: 020 |__|__|__| Valid entries are 001-255 seconds

[170] PGM Output Timer
Default: 005 |__|__|__| Valid entries are 001-255 seconds

[175] Auto-Arm Postpone Timer
Default: 000 |__|__|__| Valid entries are 001-255 minutes, 000 allows automatic arming to be cancelled

[176] Cross Zone/Police Code Timer
Default: 060 |__|__|__| Valid entries are 001-255 seconds/minutes

[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
[181]	1	Sunday	|__|__|:|__|__|
		Monday	|__|__|:|__|__|
		Tuesday	|__|__|:|__|__|
		Wednesday	|__|__|:|__|__|
		Thursday	|__|__|:|__|__|
		Friday	|__|__|:|__|__|
		Saturday	|__|__|:|__|__|
[182]	2	Sunday	|__|__|:|__|__|
		Monday	|__|__|:|__|__|
		Tuesday	|__|__|:|__|__|
		Wednesday	|__|__|:|__|__|
		Thursday	|__|__|:|__|__|
		Friday	|__|__|:|__|__|
		Saturday	|__|__|:|__|__|
[183]	3	Sunday	|__|__|:|__|__|
		Monday	|__|__|:|__|__|
		Tuesday	|__|__|:|__|__|
		Wednesday	|__|__|:|__|__|
		Thursday	|__|__|:|__|__|
		Friday	|__|__|:|__|__|
		Saturday	|__|__|:|__|__|
[184]	4	Sunday	|__|__|:|__|__|
		Monday	|__|__|:|__|__|
		Tuesday	|__|__|:|__|__|
		Wednesday	|__|__|:|__|__|
		Thursday	|__|__|:|__|__|
		Friday	|__|__|:|__|__|
		Saturday	|__|__|:|__|__|
[185]	5	Sunday	|__|__|:|__|__|
		Monday	|__|__|:|__|__|
		Tuesday	|__|__|:|__|__|
		Wednesday	|__|__|:|__|__|
		Thursday	|__|__|:|__|__|
		Friday	|__|__|:|__|__|
		Saturday	|__|__|:|__|__|
[186]	6	Sunday	|__|__|:|__|__|
		Monday	|__|__|:|__|__|
		Tuesday	|__|__|:|__|__|
		Wednesday	|__|__|:|__|__|
		Thursday	|__|__|:|__|__|
		Friday	|__|__|:|__|__|
		Saturday	|__|__|:|__|__|
[187]	7	Sunday	|__|__|:|__|__|
		Monday	|__|__|:|__|__|
		Tuesday	|__|__|:|__|__|
		Wednesday	|__|__|:|__|__|
		Thursday	|__|__|:|__|__|
		Friday	|__|__|:|__|__|
		Saturday	|__|__|:|__|__|
[188]	8	Sunday	|__|__|:|__|__|
		Monday	|__|__|:|__|__|
		Tuesday	|__|__|:|__|__|
		Wednesday	|__|__|:|__|__|
		Thursday	|__|__|:|__|__|
		Friday	|__|__|:|__|__|
		Saturday	|__|__|:|__|__|

[190] No Activity Arming Pre-Alert Time

Default	Partition	Default	
001	All	|___|___|___|	Valid entries are 001-255 seconds, 000 for no pre-alert

No Activity Arming Timers

Section	Partition	Default	
[191]	1	|___|___|___|	Valid entries are 001-255 seconds, 000 to disable
[192]	2	|___|___|___|	Valid entries are 001-255 seconds, 000 to disable
[193]	3	|___|___|___|	Valid entries are 001-255 seconds, 000 to disable
[194]	4	|___|___|___|	Valid entries are 001-255 seconds, 000 to disable
[195]	5	|___|___|___|	Valid entries are 001-255 seconds, 000 to disable
[196]	6	|___|___|___|	Valid entries are 001-255 seconds, 000 to disable
[197]	7	|___|___|___|	Valid entries are 001-255 seconds, 000 to disable
[198]	8	|___|___|___|	Valid entries are 001-255 seconds, 000 to disable

NOTE: *Default is [000] for all partitions.*

[199] Auto-Arming Pre-Alert Timer

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

Section 5: Partition and Zone Programming

[201] Partition Selection Mask

Select which partitions will be active on the system

***NOTE:** Partition 1 cannot be disabled.*

Default	Option	ON	OFF
ON ⌊___⌋	1	Partition 1 is Enabled	(Cannot Be Turned Off)
OFF ⌊___⌋	2	Partition 2 is Enabled	Disabled
OFF ⌊___⌋	3	Partition 3 is Enabled	Disabled
OFF ⌊___⌋	4	Partition 4 is Enabled	Disabled
OFF ⌊___⌋	5	Partition 5 is Enabled	Disabled
OFF ⌊___⌋	6	Partition 6 is Enabled	Disabled
OFF ⌊___⌋	7	Partition 7 is Enabled	Disabled
OFF ⌊___⌋	8	Partition 8 is Enabled	Disabled

Assigning Zones to Partitions

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

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

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

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

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

Assigning Zones to Partitions (cont.)

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

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

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

Assigning Zones to Partitions (cont.)

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

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

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

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 CAAA as the phone number.*

Account Codes

Enter a 6-digit account number for the system account code. SIA will use this account code for all eight partitions. Only SIA supports 6-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 3 4	Zone 02 3 A	Zone 03 3 A	Zone 04 3 A	Zone 05 3 A	Zone 06 3 A	Zone 07 3 A	Zone 08 3 A
	Zone 09 3 A	Zone 10 3 A	Zone 11 3 A	Zone 12 3 A	Zone 13 3 A	Zone 14 3 A	Zone 15 3 A	Zone 16 3 A
[321]	Zone 17 3 A	Zone 18 3 A	Zone 19 3 A	Zone 20 3 A	Zone 21 3 A	Zone 22 3 A	Zone 23 3 A	Zone 24 3 A
	Zone 25 3 A	Zone 26 3 A	Zone 27 3 A	Zone 28 3 A	Zone 29 3 A	Zone 30 3 A	Zone 31 3 A	Zone 32 3 A
[322]	Zone 33 3 A	Zone 34 3 A	Zone 35 3 A	Zone 36 3 A	Zone 37 3 A	Zone 38 3 A	Zone 39 3 A	Zone 40 3 A
	Zone 41 3 A	Zone 42 3 A	Zone 43 3 A	Zone 44 3 A	Zone 45 3 A	Zone 46 3 A	Zone 47 3 A	Zone 48 3 A
[323]	Zone 49 3 A	Zone 50 3 A	Zone 51 3 A	Zone 52 3 A	Zone 53 3 A	Zone 54 3 A	Zone 55 3 A	Zone 56 3 A
	Zone 57 3 A	Zone 58 3 A	Zone 59 3 A	Zone 60 3 A	Zone 61 3 A	Zone 62 3 A	Zone 63 3 A	Zone 64 3 A

Alarm Restoral Reporting Codes, Zones 01-64

Section								
[324]	Zone 01	Zone 02	Zone 03	Zone 04	Zone 05	Zone 06	Zone 07	Zone 08
	3 | 4	3 | A	3 | A	3 | A	3 | A	3 | A	3 | A	3 | A
	Zone 09	Zone 10	Zone 11	Zone 12	Zone 13	Zone 14	Zone 15	Zone 16
	3 | A	3 | A	3 | A	3 | A	3 | A	3 | A	3 | A	3 | A
[325]	Zone 17	Zone 18	Zone 19	Zone 20	Zone 21	Zone 22	Zone 23	Zone 24
	3 | A	3 | A	3 | A	3 | A	3 | A	3 | A	3 | A	3 | A
	Zone 25	Zone 26	Zone 27	Zone 28	Zone 29	Zone 30	Zone 31	Zone 32
	3 | A	3 | A	3 | A	3 | A	3 | A	3 | A	3 | A	3 | A
[326]	Zone 33	Zone 34	Zone 35	Zone 36	Zone 37	Zone 38	Zone 39	Zone 40
	3 | A	3 | A	3 | A	3 | A	3 | A	3 | A	3 | A	3 | A
	Zone 41	Zone 42	Zone 43	Zone 44	Zone 45	Zone 46	Zone 47	Zone 48
	3 | A	3 | A	3 | A	3 | A	3 | A	3 | A	3 | A	3 | A
[327]	Zone 49	Zone 50	Zone 51	Zone 52	Zone 53	Zone 54	Zone 55	Zone 56
	3 | A	3 | A	3 | A	3 | A	3 | A	3 | A	3 | A	3 | A
	Zone 57	Zone 58	Zone 59	Zone 60	Zone 61	Zone 62	Zone 63	Zone 64
	3 | A	3 | A	3 | A	3 | A	3 | A	3 | A	3 | A	3 | A

[328] Miscellaneous Alarm Reporting Codes

2 | 1	Duress Alarm
A | 6	Opening After Alarm
F | F	Recent Closing
4 | 3	Zone Expander Supervisory Alarm
4 | 3	Zone Expander Supervisory Restoral
F | F	Cross Zone Police Code Alarm
F | F	Burglary Not Verified
F | F	Alarm Cancelled

[329] Priority Alarm and Restoral

1 | A	Keypad Fire Alarm
A | A	Keypad Auxiliary Alarm
2 | A	Keypad Panic Alarm
4 | A	Auxiliary Input Alarm
1 | A	Keypad Fire Restoral
A | A	Keypad Auxiliary Restoral
2 | A	Keypad Panic Restoral
4 | A	Auxiliary Input Restoral

Tamper Reporting Codes, Zones 01-64

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

Tamper Restoral Reporting Codes, Zones 01-64

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

[338] Miscellaneous Tamper Reporting Codes

4 | 5	General System Tamper
4 | 5	General System Tamper Rest.
2 | 1	Keypad Lockout

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

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

[341] Miscellaneous Closing (Arming) Reporting Codes

A | 2	Closing by Duress Code 33
A | 2	Closing by Duress Code 34
A | 2	Closing by Master Code 40
A | 2	Closing by Supervisory Code 41
A | 2	Closing by Supervisory Code 42
7 | A	Partial Closing
A | A	Special Closing
A | A	Late to Close
A | A	Exit Fault

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

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

[344] Miscellaneous Opening (Disarming) Reporting Codes

A 2	Opening by Duress Code 33
A 2	Opening by Duress Code 34
A 2	Opening by Master Code 40
A 2	Opening by Supervisory Code 41
A 2	Opening by Supervisory Code 42
F F	Auto-arm Cancellation
A A	Special Opening

[345] Maintenance Alarm Reporting Codes

A 2	Battery Trouble Alarm
A 1	AC Failure Trouble Alarm
2 1	Bell Circuit Trouble Alarm
7 3	Fire Trouble Alarm
A A	Auxiliary Power Supply Trouble Alarm
F F	TLM Trouble Code (via LINKS)
A A	General System Trouble
3 3	General System Supervisory

[346] Maintenance Restoral Reporting Codes

A 2	Battery Trouble Restoral
A 1	AC Failure Trouble Restoral
2 1	Bell Circuit Trouble Restoral
7 3	Fire Trouble Restoral
A A	Auxiliary Power Supply Trouble Restoral
5 1	TLM Restoral
A A	General System Trouble Restoral
3 3	General System Supervisory Restoral

[347] Miscellaneous Maintenance Reporting Codes

5 4	Telephone Number 1 FTC Restoral
F F	Telephone Number 2 FTC Restoral
F F	Event Buffer 75% Full Since Last Upload
1 1	DLS Lead IN
1 2	DLS Lead OUT
7 2	Zone Fault Alarm
7 2	Zone Fault Restoral
F F	Delinquency Code
8 4	General Zone Low Battery Alarm
8 4	General Zone Low Battery Restoral
F F	Installer Lead Out
F F	Installer Lead In

[348] Test Transmission Reporting Codes

F F	Walk Test End
F F	Walk Begin
F F	Periodic Test Transmission with Trouble
A 2	Periodic Test Transmission
A 2	System Test
F F	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

|__F__F__| PC5700 Ground Fault Trouble

|__F__F__| PC5700 Ground Fault Restoral

|__F__F__| PC5700 TLM Line 1 Trouble

|__F__F__| PC5700 TLM Line 1 Restoral

|__F__F__| PC5700 TLM Line 2 Trouble

|__F__F__| PC5700 TLM Line 2 Restoral

[350] Communicator Format Options

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

Default

03 |___|___| 1st/3rd Telephone Number

03 |___|___| 2nd Telephone Number

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

Call Direction Options

Alarm/Restore Communicator Call Directions

Section	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**	**OFF**	
[351]	**1**							
[352]	**2**							
[353]	**3**							
[354]	**4**							
[355]	**5**							
[356]	**6**							
[357]	**7**							
[358]	**8**							

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

Tamper/Restore Communicator Call Directions

Section	Partition	Option:	1 1st Telephone Number	2 2nd Telephone Number	3 1st Telephone Number (via LINKS1000)	4 2nd Telephone Number (via LINKS1000)	5 Alternate Communicator	6,7,8 For Future Use
		Defaults:	**ON**	**OFF**	**OFF**	**OFF**	**OFF**	
[359]	**1**							
[360]	**2**							
[361]	**3**							
[362]	**4**							
[363]	**5**							
[364]	**6**							
[365]	**7**							
[366]	**8**							

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

Opening/Closing Communicator Call Directions

Section	Partition	Option:	1 1st Telephone Number	2 2nd Telephone Number	3 1st Telephone Number (via LINKS1000)	4 2nd Telephone Number (via LINKS1000)	5 Alternate Communicator	6,7,8 For Future Use
		Defaults:	ON	OFF	OFF	OFF	OFF	
[367]	1							
[368]	2							
[369]	3							
[370]	4							
[371]	5							
[372]	6							
[373]	7							
[374]	8							

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

System Maintenance Communicator Call Directions

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

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

System Test Transmissions Communicator Call Directions

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

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

[377] Communication Variables

Default			
003		Swinger Shutdown (Alarms and Rest)	(001-014 Transmissions)
003		Swinger Shutdown (Tampers and Rest)	(001-014 Transmissions, 000=disabled)
003		Swinger Shutdown (Maint and Rest)	(001-014 Transmissions, 000=disabled)
000		Communication Delay	(001-255 Seconds)
030		AC Failure Communication Delay	(001-255 Minutes)
003		TLM Trouble Delay	(No. of Checks Required - Valid Entries 003 - 255)
007		Test Transmission Cycle (land line)	(001-255 Days/Minutes)†
030		Test Transmission Cycle (LINKS1000)	(001-255 Days)
007		Zone Low Battery Transmission Delay	(000-255 Days)
030		Delinquency Transmission Cycle	(000-255 Days/Hours)
000		Communications Cancelled Window	(000-255 Minutes)

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

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

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

[378] Test Transmission Time of Day

Default		
9999		Valid entries are 0000-2359, 9999 to disable)

Communicator Options

[380] First Communicator Option Code

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

[381] Second Communicator Option Code

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

[382] Third Communicator Option Code

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

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

LINKS1000 Preambles

[390] LINKS1000 Preamble (First Telephone Number)

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

[391] LINKS1000 Preamble (Second Telephone Number)

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

[392] LINKS1000 Preamble (Third Telephone Number)

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

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

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

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

Section 7: Downloading Options

[401] First Downloading Option Code

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

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

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

[403] Downloading Access Code

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

[404] Panel Identification Code

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

[405] Answering Machine Double-call Timer

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

[406] Number of Rings to Answer On

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

[490] LINKS Preamble (Downloading Telephone Number)

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

[499] Initiate PC-Link (Local Downloading)

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

Section 8: Programmable Output Programming

Programmable Output Attributes

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

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

Attribute:	1	2	3	4	5	6	7	8
ON	Not used	Not used	True Output	Follows Timer	Code Req.	Not used	Not used	Not used
OFF	—	—	Inverted	On / Off	No Code Req.	—	—	—
PGM Option								
[01] Burg. / Fire Bell			Y					
[02] Future Use								
[03] Sensor Reset			Y		N			
[04] 2-Wire Smoke Support (PGM2 only)			Y					
[05] Armed Status			Y					
[06] Ready To Arm			Y					
[07] Kypd Bzz Follow			Y					
[08] Courtesy Pulse			Y					
[09] System Trouble Output / Trouble Options)	Y	Y	Y	Y	Y	Y	Y	Y
[10] System Event / Event Options)	Y	Y	N	Y	N	N	N	N
[11] System Tamper			Y					
[12] TLM and Alarm			Y					
[13] Kiss-off			Y					
[14] Gnd Strt Pulse			Y					
[15] Remote Op.			Y					
[16] LINKS1000 Sup.			Y					
[17] Away Armed Status			Y					
[18] Stay Armed Status			Y					
[19] Comm. Output #1, [*][7][1]			Y	Y	Y			
[20] Comm. Output #2, [*][7][2]			Y	Y	N			
[21] Comm. Output #3, [*][7][3]			Y	Y	N			
[22] Comm. Output #4, [*][7][4]			Y	Y	N			
[23] Silent 24 Hr (PGM2 only)			Y					
[24] Audible 24 Hr (PGM2 only)			Y					
[25] Delayed Burglary & Fire Bell			Y					

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

Section	PGM #	Output Type*	1	2	3	4	5	6	7	8
Main Board										
[501]	1	( )								
[502]	2	( )	ON	ON		ON				
Main Board / PC5208										
[503] **	3	( )								
[504] **	4	( )								

*Record here based on programming in [009], [010] and [011].
** These two sections allow you to program both PGM3 and PGM4 on the main panel, and the first two PGM outputs on the PC5208. If you use both the main panel and the PC5208 outputs, PGM3 will work the same as the first PC5208 output, and PGM4 will work the same as the second PC5208 output.

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

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

PGM Output Partition Assignment

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

Section 9: International Programming

[700] Clock Adjust

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

[701] First International Options Code

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

[702] Second International Options Code

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

[703] Delay Between Dialing Attempts

Default:001 |__|__|__| 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 LINKS2X50, 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:** To enable T-Link, Option [5] in Section [382] must be ON.*

Section 11: Special Installer Functions

[901] Installer Walk Test Mode Enable / Disable

[902] Module Supervision Reset

[903] Module Supervision Field

[904] Wireless Module Placement Test

For more information, please refer to your *PC5132 Installation Manual*

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

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

[906] Local Test of Downlook Remote Trigger

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

[1] Telephone Number 1, via Land Line

[2] Telephone Number 2, via Land Line

[3] Telephone Number 1, via LINKS1000

[4] Telephone Number 2, via LINKS1000

[990] Installer Lockout Enable

[991] Installer Lockout Disable

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

[995] Restoral Escort5580 to Factory Default Programming

[996] Restoral PC5132 to Factory Default Programming

[997] Restoral PC5400 to Factory Default Programming

[998] Restoral PC5936 to Factory Default Programming

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

[1] - A, B, C, 1	[6] - P, Q, R, 6
[2] - D, E, F, 2	[7] - S, T, U, 7
[3] - G, H, I, 3	[8] - V, W, X, 8
[4] - J, K, L, 4	[9] - Y, Z, 9,0
[5] - M, N, O, 5	[0] - Space

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

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

Default: "Zone 1" - "Zone 32"

[33] Fire Alarm Label (14 Characters)

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

[51] Fail to Arm Event Message

Default: "System Has Failed to Arm" |__|__|__|__|__|__|__|__|__|__|__|__|__|__|

[52] Alarm When Armed Event Message

Default: "Alarm Occurred While Armed < >" |__|__|__|__|__|__|__|__|__|__|__|__|__|__|

[60] First User Display Mask

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

[61] Second User Display Mask

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

[62] Third User Display Mask

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

[63] Downloaded LCD Message Duration

Default: 003 |1|1|1| (Valid entries are 000-255, 000=Unlimited Message Display. This number represents the number of times the Downloaded message is cleared by pressing any key while the message is up after timeout)

[64] Key Options

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

[65] Fourth User Display Mask

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

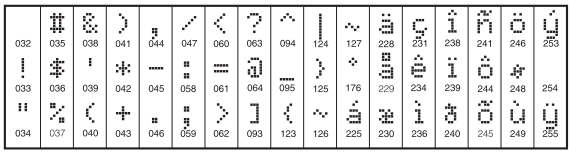
Step 2 - Make sure all LCD keypads are connected to the Keybus.

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

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

[99] Reset LCD EEPROM to Factory Defaults

ASCII Characters



LCD5500Z 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's Code].
2. Press the [*] key.
3. Enter the three-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's Programming. Enter the three-digit section number for the label to be programmed.
2. Use the arrow keys (<>) to move the underline bar underneath the letter to be changed.
3. Press the number key [1] to [9] corresponding to the letter you require. The first time you press the number the first letter will appear. Pressing the number key again will display the next letter.

Refer to the following chart:

[1] - A, B, C, 1	[6] - P, Q, R, 6
[2] - D, E, F, 2	[7] - S, T, U, 7
[3] - G, H, I, 3	[8] - V, W, X, 8
[4] - J, K, L, 4	[9] - Y, Z, 9,0
[5] - M, N, O, 5	[0] - Space

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

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

Default: "Zone 1" - "Zone 64"

[065] Fire Alarm Label (14 Characters)

Default: "Fire Zone"

[066] Fail to Arm Event Message

Default: "System Has Failed to Arm"

[067] Alarm When Armed Event Message

Default: "Alarm Occurred While Armed < >"

[070] First User Display Mask

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

[071] Second User Display Mask

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

[072] Third User Display Mask

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

[073] Downloaded LCD Message Duration

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

[074] Key Options

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

[075] Fourth User Display Mask

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

[076] Keypad Options

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

[077] Fifth User Display Mask

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

[078] Sixth User Display Mask

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

NOTE: *These options are only relevant if you are using 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.

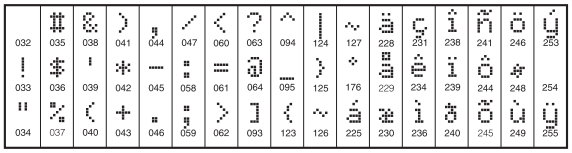
Step 2 - Make sure all LCD keypads are connected to the Keybus.

Step 3 - Enter Keypad Programming, then enter section [998] at the keypad that was programmed. The keypad will now broadcast all the information programmed to all the other LCD keypads on the system.

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

[999] Reset LCD EEPROM to Factory Defaults

ASCII Characters



Appendix B: Programming LCD5501Z Keypads

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

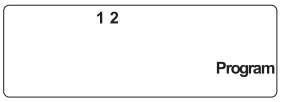
Programming Keypad Options

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

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

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

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



Clock Options

The LCD5501Z will display the current time after 30 seconds of no key presses. To set the correct time and date for the system, please refer to the *Power864 User's Guide*. You can change how the keypad displays the time with options [1] to [3] in programming section [6].

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

Alarms Displayed While Armed Option

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

Emergency Key Options

You can enable or disable the Fire, Auxiliary and Panic keys at each keypad. These keys are enabled by default. Please see the *Power864 Installation Manual* for more information on these keys and their options. To turn any of the emergency keys on or off on the keypad, enter section [7], and turn on or off options [1] to [3].

Door Chime on Zone Openings/Closings

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

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

[6] LCD5501Z Keypad Options

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

[7] Emergency Key Options

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

Programming Door Chime Options

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

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

For the door chime feature to work, you will also need to turn on the Door Chime attribute for each zone that will trigger the chime. This programming is done in the control panel software. Refer to the *Power864 Installation Manual* for more information.

Door Chime Sounds

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

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

NOTE: *For a zone to be able to trigger the door chime sound, the Door Chime zone attribute must also be enabled in the control panel programming. Please see your Power864 Installation Manual.*

To change the door chime sounds:

1. Enter [*][8][Installer's code].
2. Enter [*] to go to door chime sound programming.
3. Enter the 2-digit number for the zone you are programming [01] - [64].

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

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

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

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

Door Chime Sound Programming

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

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

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

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

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

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

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

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

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

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

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 a 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.

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.

©2002 Digital Security Controls Ltd.
Toronto, Canada • **www.dsc.com**
Printed in Canada 29005975 R001

Direct all comments concerning this publication to **pubs@dscltd.com**