WARNING

This manual contains information on limitations regarding product use and function and information on the limitations as to liability of the manufacturer. The entire manual should be carefully read.

NT9010
v1.0

Programming Worksheets

DSC Envoy™

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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 owner 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.

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.

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.

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 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.

Installer's Lockout

Any products returned to DSC which have the Installer's Lockout option enabled and exhibit no other problems will be subject to a service charge.

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.

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.

Section 1: Basic Programming

If you are programming the system using the Flash Programming, record your programming choices here.

If you need to perform more advanced programming, record your choices in the space provided in the rest of this booklet.

Account Information

Customer: _____

Address: _____

Telephone: _____ Installation Date: _____

Installer's Code:_____

Zone Summary

Use this area to record a summary of your zone set up. You can use the NT9010 Flash Programming to enroll zones and program zone labels. You can perform more advanced zone programming in programming sections [001] - [004] and [101] - [132].

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

Central Station Telephone Number

NT9010 Account Code

Section 2: Advanced 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 For future use
08 For future use
09 For future use
10 24 Hour Supervisory Buzzer
11 24 Hour Burglary
12 24 Hour Holdup
13 24 Hour Gas
14 24 Hour Heating (N/C zone)
15 24 Hour Medical
16 24 Hour Panic
17 24 Hour Emergency
18 24 Hour Sprinkler
19 24 Hour Water
20 24 Hour Freeze
21 24 Hour Latching Tamper
22 Momentary Keyswitch Arm
23 Maintained Keyswitch Arm
24 For future use
25 Interior Delay
87 Delay 24 Hour Fire (Wireless)
88 Standard 24 Hour Fire (Wireless)

NOTE: *You can also program zone definitions using the NT9010 Flash Programming.*

NOTE: *Zone Attributes are assigned in sections [101] - [132].*

Section #	Zone #	Default	Zone Defn.	Section #	Zone #	Default	Zone Defn.
[001]	01	01	|__|__|	**[003]**	17	00	|__|__|
	02	03	|__|__|		18	00	|__|__|
	03	03	|__|__|		19	00	|__|__|
	04	03	|__|__|		20	00	|__|__|
	05	04	|__|__|		21	00	|__|__|
	06	04	|__|__|		22	00	|__|__|
	07	04	|__|__|		23	00	|__|__|
	08	04	|__|__|		24	00	|__|__|
[002]	09	00	|__|__|	**[004]**	25	00	|__|__|
	10	00	|__|__|		26	00	|__|__|
	11	00	|__|__|		27	00	|__|__|
	12	00	|__|__|		28	00	|__|__|
	13	00	|__|__|		29	00	|__|__|
	14	00	|__|__|		30	00	|__|__|
	15	00	|__|__|		31	00	|__|__|
	16	00	|__|__|		32	00	|__|__|

System Times and Codes

NOTE: *A 2-second steady tone indicates an invalid entry or selection.*

[005] System Times]

Default **Valid entries: [001-255]**

030	|___|___|___|	Entry Delay 1 (in seconds)	(2.2.7 "Entry and Exit Delay Options" on page 25••)
045	|___|___|___|	Entry Delay 2 (in seconds)	(2.2.7 "Entry and Exit Delay Options" on page 25••)
120	|___|___|___|	Exit Delay (in seconds)	(2.2.7 "Entry and Exit Delay Options" on page 25••)
004	|___|___|___|	Bell Cut-off (in minutes)	(2.2.8 "Bell Options" on page 26••)

[006] Installer's Code (2.2.2 "Access Codes" on page 20••)

Default: 5555 |__|__|__|__|

[007] Master Code (2.2.2 "Access Codes" on page 20••)

Default: 1234 |__|__|__|__|

[008] Maintenance Code (2.2.2 "Access Codes" on page 20••)

NOTE: *Valid codes are 0000-9999. Enter AAAA to disable maintenance code.*

Default: AAAA |__|__|__|__|

[012] Keypad Lockout Options (2.2.13 "Keypad Options" on page 34••)

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	Section/ Page #••
OFF	|____|	1	Hardwired Zones are Normally Closed	Hardwired Zones use End-of-Line Resistors	1.2.4 / 5
OFF	|____|	2-3	For future use		
OFF	|____|	4	Tampers/Faults Do Not Sound as Open	Tampers/Faults Sound as Open	2.2.9 / 27
OFF	|____|	5	For future use		
ON	|____|	6	Audible Exit Fault Enabled	Audible Exit Fault Disabled	2.2.7 / 25
ON	|____|	7	Event Buffer Follows Swinger Shutdown	Event Buffer Logs Events Past shutdown	2.3.17 / 54
ON	|____|	8	Temporal Three Fire Signal Enabled**	Standard Pulsed Fire Signal	2.2.8 / 26

**The Temporal Three Fire Signal option must be used for Household Fire installations.

[014] Second System Option Code

Default		Option	ON	OFF	Section/ Page #••
OFF	|____|	1	Arm / Disarm Bell Squawk enabled	Arm / Disarm Bell Squawk disabled	2.2.5 / 24
OFF	|____|	2	Bell Squawk During Auto Arm	No Bell Squawk During Auto Arm	2.2.7 / 25
OFF	|____|	3	Bell Squawk On Exit Delay	No Bell Squawk On Exit Delay	2.2.7 / 25
OFF	|____|	4	Bell Squawk On Entry Delay	No Bell Squawk On Entry Delay	2.2.7 / 25
OFF	|____|	5	Bell Squawk On Trouble	No Bell Squawk On Trouble	2.2.9 / 27
ON	|____|	6	Audible Exit with Urgency	Silent Exit Delay	2.2.7 / 25
OFF	|____|	7	Exit Delay Termination Enabled	Exit Delay Termination Disabled	2.2.7 / 25
OFF	|____|	8	Fire Bell is Continuous	Fire Bell Follows Bell Cut-off	2.2.8 / 26

[015] Third System Option Code

Default		Option	ON	OFF	Section/ Page #••
ON	⌊___⌋	1	Fire Keys Enabled	Fire Keys Disabled	2.2.12 / 33
OFF	⌊___⌋	2	Panic Keys Audible (Bell / Beeps)	Panic Keys Silent	2.2.12 / 33
ON	⌊___⌋	3	Quick Exit Enabled	Quick Exit Disabled	2.2.9 / 27
ON	⌊___⌋	4	Quick Arming Enabled/Function keys do not require code	Quick Arming Disabled/Function keys require code	2.2.9 / 27
OFF*	⌊___⌋	5	Code Required For Bypassing	No Code Required	2.2.9 / 27
OFF	⌊___⌋	6	Master Code Not Changeable	Master Code Changeable	2.2.2 / 20
ON	⌊___⌋	7	TLM Enabled	TLM Disabled	2.3.15 / 53
OFF	⌊___⌋	8	TLM Audible (Bell) When Armed	TLM Trouble Beeps When Armed	2.3.15 / 53

*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	Section/ Page #••
OFF	⌊___⌋	1-2	For future use		
OFF	⌊___⌋	3	Blank Keypad When Not Used	Keypad Active Always	2.2.14 / 35
OFF	⌊___⌋	4	Code Required to Remove Kypd Blanking	No Code Required	2.2.14 / 35
ON	⌊___⌋	5	Keypad Backlighting is enabled	Keypad Backlighting is disabled	2.2.14 / 35
OFF	⌊___⌋	6	For future use		
OFF	⌊___⌋	7	Bypass Status Displayed While Armed	Bypass Status Not Displayed While Armed	2.2.14 / 35
OFF	⌊___⌋	8	For future use		

[017] Fifth System Option Code

Default		Option	ON	OFF	Section/ Page #••
ON	⌊___⌋	1	WLS Key Does Not Use Access Codes	WLS Key Uses Access Codes	2.2.5 / 24
ON	⌊___⌋	2	Verbal Chime is Enabled	Verbal Chime is Disabled (Beeps Only)	2.2.3 / 22
ON	⌊___⌋	3	Verbal Alarm is Enabled	Verbal Alarm is Disabled (Siren Only)	2.2.3 / 22
ON *	⌊___⌋	4	Local Annunciation is Enabled	Local Annunciation is Disabled	1.2.4 / 5
OFF	⌊___⌋	5	Remote Annunciation is Enabled	Remote Annunciation is Disabled	1.2.4 / 5
OFF	⌊___⌋	6	For future use		
OFF	⌊___⌋	7	For future use		
OFF	⌊___⌋	8	Squawk on Away Arming/Disarming Only	Bell Squawk on All Arming/Disarming	2.2.5 / 24

NOTE: *All programming should be done with local annunciation enabled.*

Zone Attributes (2.3.2 "Zone Attributes" on page 38••)

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

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

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

Section	Zone #	Zone Type**	Audible/ Silent	Steady/ Pulsed	Chime No	Bypass No	Force* No	Swing No	Tx. Delay No	Wireless No
[112]	12	( )								
[113]	13	( )								
[114]	14	( )								
[115]	15	( )								
[116]	16	( )								
[117]	17	( )								
[118]	18	( )								
[119]	19	( )								
[120]	20	( )								
[121]	21	( )								
[122]	22	( )								
[123]	23	( )								
[124]	24	( )								
[125]	25	( )								
[126]	26	( )								
[127]	27	( )								
[128]	28	( )								
[129]	29	( )								
[130]	30	( )								
[131]	31	( )								
[132]	32	( )								

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

System Timers

[160] Maximum Dialing Attempts to Each Telephone Number

(2.3.8 "Communicator Dialing" on page 41••)

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

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

(2.3.8 "Communicator Dialing" on page 41••)

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

Section 3: Advanced Communicator Programming

Telephone Numbers

NOTE: *For sections [301] to [353], the content of every section by default is [F], except for the first digit of the telephone numbers (sections [301] to [303], which is "D").*

[301] First Telephone Number (32 Digits) (2.3.9 "Communicator Telephone Numbers" on page 43••)

[302] Second Telephone Number (32 Digits) (2.3.9 "Communicator Telephone Numbers" on page 43••)

[303] Third Telephone Number (32 Digits) (2.3.9 "Communicator Telephone Numbers" on page 43••)

Account Codes (2.3.10 "Communicator Account Codes" on page 44••)

NOTE: *Use [F] key to terminate phone number programming in sections [301] – [303]*

Section	Account Code for Telephone Numbers 1 and 3
[310]	

Section	Account Code for Telephone Number 2
[311]	

Reporting Codes

Alarm Reporting Codes, Zones 01-32

(2.3.12 "Communicator Reporting Codes" on page 47••) and (Appendix B: "Reporting Codes" on page 58••)

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

Alarm Restoral Reporting Codes, Zones 01-32

(2.3.12 "Communicator Reporting Codes" on page 47••) and (Appendix B: "Reporting Codes" on page 58••)

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

Miscellaneous Alarm Reporting Codes

(2.3.12 "Communicator Reporting Codes" on page 47••) and (Appendix B: "Reporting Codes" on page 58••)

Section

[328]

1. Duress Alarm		4. For future use	
2. Opening After Alarm		5. For future use	
3. Recent Closing		6. Cross Zone Police Code Alarm	

Priority Alarm and Restoral

(2.3.12 "Communicator Reporting Codes" on page 47••) and (Appendix B: "Reporting Codes" on page 58••)

Section

[329]

1. Keypad Fire Alarm		5. Keypad Fire Restoral	
2. Keypad Auxiliary Alarm		6. Keypad Auxiliary Restoral	
3. Keypad Panic Alarm		7. Keypad Panic Restoral	
4. For future use		8. For future use	

Tamper Reporting Codes, Zones 01-32

(2.3.12 "Communicator Reporting Codes" on page 47••) and (Appendix B: "Reporting Codes" on page 58••)

Section

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

Tamper Restoral Reporting Codes, Zones 01-32

(2.3.12 "Communicator Reporting Codes" on page 47••) and (Appendix B: "Reporting Codes" on page 58••)

Section

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

Miscellaneous Tamper Reporting Codes

(2.3.12 "Communicator Reporting Codes" on page 47••) and (Appendix B: "Reporting Codes" on page 58••)

Section

[338] Keypad Lockout

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

(2.3.12 "Communicator Reporting Codes" on page 47••) and (Appendix B: "Reporting Codes" on page 58••)

Section

[339]	Code 01	Code 02	Code 03	Code 04	Code 05	Code 06	Code 07	Code 08
	____	____	____	____	____	____	____	____
[340]	Code 09	Code 10	Code 11	Code 12	Code 13	Code 14	Code 15	Code 16
	____	____	____	____	____	____	____	____
[341]	Code 17	Code 18	Code 19	Code 20	Code 21	Code 22	Code 23	Code 24
	____	____	____	____	____	____	____	____
[342]	Code 25	Code 26	Code 27	Code 28	Code 29	Code 30	Code 31	Code 32
	____	____	____	____	____	____	____	____

Miscellaneous Closing (Arming) Reporting Codes

(2.3.12 "Communicator Reporting Codes" on page 47••) and (Appendix B: "Reporting Codes" on page 58••)

Section

[343]

____	1. Closing by Duress Code 33	____	5. Closing by System Code 42
____	2. Closing by Duress Code 34	____	6. Partial Closing
____	3. Closing by System Code 40	____	7. Special Closing
____	4. Closing by System Code 41		

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

(2.3.12 "Communicator Reporting Codes" on page 47••) and (Appendix B: "Reporting Codes" on page 58••)

Section

[344]	Code 01	Code 02	Code 03	Code 04	Code 05	Code 06	Code 07	Code 08
	____	____	____	____	____	____	____	____
[345]	Code 09	Code 10	Code 11	Code 12	Code 13	Code 14	Code 15	Code 16
	____	____	____	____	____	____	____	____
[346]	Code 17	Code 18	Code 19	Code 20	Code 21	Code 22	Code 23	Code 24
	____	____	____	____	____	____	____	____
[347]	Code 25	Code 26	Code 27	Code 28	Code 29	Code 30	Code 31	Code 32
	____	____	____	____	____	____	____	____

Miscellaneous Opening (Disarming) Reporting Codes

(2.3.12 "Communicator Reporting Codes" on page 47••) and (Appendix B: "Reporting Codes" on page 58••)

Section

[348]

____	1. Opening by Duress Code 33	____	5. Opening by System Code 42
____	2. Opening by Duress Code 34	____	6. Auto-arm Cancellation
____	3. Opening by System Code 40	____	7. Special Opening
____	4. Opening by System Code 41		

Maintenance Alarm Reporting Codes
(2.3.12 "Communicator Reporting Codes" on page 47••) and (Appendix B: "Reporting Codes" on page 58••)

Section

[349]

1. Battery Trouble Alarm		5. For future use	
2. AC Failure Trouble Alarm		6. For future use	
3. Remote Sounder Trouble Alarm		7. For future use	
4. Fire Trouble Alarm		8. For future use	

Maintenance Restoral Reporting Codes
(2.3.12 "Communicator Reporting Codes" on page 47••) and (Appendix B: "Reporting Codes" on page 58••)

Section

[350]

1. Battery Trouble Restoral		5. For future use	
2. AC Failure Trouble Restoral		6. TLM Restoral	
3. Remote Sounder Trouble Restoral		7. For future use	
4. Fire Trouble Restoral		8. For future use	

Miscellaneous Maintenance Reporting Codes
(2.3.12 "Communicator Reporting Codes" on page 47••) and (Appendix B: "Reporting Codes" on page 58••)

Section

[351]

1. Telephone Number 1 FTC Restore		5. DLS Lead Out	
2. Telephone Number 2 FTC Restore		6. Zone Fault Alarm	
3. Event Buffer 75% Full		7. Zone Fault Restore	
4. DLS Lead IN		8. Delinquency Code	

Test Transmission Reporting Codes
(2.3.12 "Communicator Reporting Codes" on page 47••) and (Appendix B: "Reporting Codes" on page 58••)

Section

[352]

1. Periodic Test Transmission		3. For future use	
2. System Test			

Wireless Maintenance Reporting Codes
(2.3.12 "Communicator Reporting Codes" on page 47••) and (Appendix B: "Reporting Codes" on page 58••)

Section

[353]

1. General Zone Low Battery Alarm	
2. General Zone Low Battery Restoral	

[360] Communicator Format Options (2.3.11 "Communicator Reporting Formats" on page 44••)

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

Default

04		1st/3rd Telephone Number
04		2nd Telepphone Number

01	20 BPS, 1400 HZ handshake	**02**	20 BPS, 2300 HZ handshake	**03**	DTMF CONTACT ID
04	SIA FSK	**05**	Pager		

Call Direction Options

[361] Alarm/Restore Communicator Call Directions (2.3.8 "Communicator Dialing" on page 41••)

Default		Option	ON	OFF
ON	|_____|	1	1st Telephone Number	Disabled
OFF	|_____|	2	2nd Telephone Number	Disabled
OFF	|_____|	3-8	For future use	

[363] Tamper/Restore Communicator Call Directions (2.3.8 "Communicator Dialing" on page 41••)

Default		Option	ON	OFF
ON	|_____|	1	1st Telephone Number	Disabled
OFF	|_____|	2	2nd Telephone Number	Disabled
OFF	|_____|	3-8	For future use	

[365] Opening/Closing Communicator Call Directions (2.3.8 "Communicator Dialing" on page 41••)

Default		Option	ON	OFF
ON	|_____|	1	1st Telephone Number	Disabled
OFF	|_____|	2	2nd Telephone Number	Disabled
OFF	|_____|	3-8	For future use	

[367] System Maintenance Alarm/Restore Communicator Call Directions

(2.3.8 "Communicator Dialing" on page 41••)

Default		Option	ON	OFF
ON	|_____|	1	1st Telephone Number	Disabled
OFF	|_____|	2	2nd Telephone Number	Disabled
OFF	|_____|	3-8	For future use	

[368] System Test Transmissions Communicator Call Directions

(2.3.8 "Communicator Dialing" on page 41••)

Default		Option	ON	OFF
ON	|_____|	1	1st Telephone Number	Disabled
OFF	|_____|	2	2nd Telephone Number	Disabled
OFF	|_____|	3-8	For future use	

[370] Communication Variables

Default			Section/ Page #••
003	Swinger Shutdown (Alarms and Rest)	(001-014 Transmissions, 000=disabled)	2.3.18 / 54
003	Swinger Shutdown (Tampers and Rest)	(001-014 Transmissions, 000=disabled)	2.3.18 / 54
003	Swinger Shutdown (Maint and Rest)	(001-014 Transmissions, 000=disabled)	2.3.18 / 54
000	Communication Delay	(001-255 seconds)	2.3.12 / 47
030	AC Failure Communication Delay	(001-255 minutes)	2.3.12 / 47
003	TLM Trouble Delay	(No. of checks required - valid entries 003 - 255)	2.3.15 / 53
030	Test Transmission Cycle	(001-255 days)	2.3.16 / 53
007	Zone Low Battery Transmission Delay	(000-255 days)	2.3.12 / 47
030	Delinquency Transmission Cycle	(000-255 days/hours)	2.3.12 / 47

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

[371] Test Transmission Time of Day (2.3.16 "Test Transmissions" on page 53••)

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

Communicator Options

[380] First Communicator Option Code

Default	Option	ON	OFF	Section/ Page #••
ON	1	Communications Enabled	Communications Disabled	2.3.8 / 41
OFF	2	Restorals on Bell Time-out	Restorals Follow Zones	2.3.12 / 47
OFF	3	Pulse Dialing	DTMF Dialing	2.3.8 / 41
OFF	4	Switch to Pulse Dialing on 5th Attempt	DTMF Dial For All Attempts	2.3.8 / 41
OFF	5	3rd Telephone Number enabled	3rd Telephone Number disabled	2.3.9 / 43
OFF	6	Alternate Dial (1st and 3rd)	Call 1st Number, Backup to 3rd	2.3.9 / 43
OFF	7	For future use		
OFF	8	Delinquency Follows Zone Activity (Hours)	Delinquency Follows Arming (Days)	2.3.12 / 47

[381] Second Communicator Option Code

Default	Option	ON	OFF	Section/ Page #••
OFF	1	Open After Alarm Kypd Ringback enabled	Open After Alrm Kypd Ringback disabled	2.2.5 / 24
OFF	2	Open After Alarm Bell Ringback enabled	Open After Alrm Bell Ringback disabled	2.2.5 / 24
OFF	3	SIA Sends Programmed Rep. Codes	SIA Sends Automatic Rep. Codes	2.3.11 / 44
OFF	4	Closing Confirmation Enabled	Closing Confirmation Disabled	2.2.5 / 24
ON	5	Talk/Listen on phone lines 1/3	No Talk/Listen on phone lines 1/3	2.3.13 / 49
OFF	6	Talk/Listen on phone line 2	No Talk/Listen on phone line 2	2.3.13 / 49
ON	7	Contact ID Uses Programmed Rep. Codes	Contact ID Uses Auto Rep. Codes	2.3.11 / 44
OFF	8	For future use		

Section 4: Downloading Options

[401] First Downloading Option Code (2.3.14 "Downloading" on page 51••)

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	⌊___⌋	5-8	For future use	

[402] Downloading Computer's Telephone Number (32 Digits) (2.3.14 "Downloading" on page 51••)

⌊_⌋

[403] Downloading Access Code (2.3.14 "Downloading" on page 51••)

Default: 9010 ⌊___⌋___⌋___⌋___⌋ Enter 4 HEX digits

[404] Panel Identification Code (2.3.14 "Downloading" on page 51••)

Default: 9010 ⌊___⌋___⌋___⌋___⌋ Enter 4 HEX digits

[405] Answering Machine Double-call Timer (2.3.14 "Downloading" on page 51••)

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

[406] Number of Rings to Answer On (2.3.14 "Downloading" on page 51••)

Default: 000 ⌊___⌋___⌋___⌋ (Valid entries are 000-015 rings

[499] Initiate PC-Link (Local Downloading) (2.3.14 "Downloading" on page 51••)

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

Section 5: International Programming

[701] First International Options Code

Default		Option	ON	OFF	Section/ Page #••
OFF	⌊___⌋	1	For future use only		
OFF	⌊___⌋	2	Time Base is Internal Crystal	Time Base is AC Line	2.3.19 / 54
OFF	⌊___⌋	3	AC/DC Arming Inhibit enabled	AC/DC Arming Inhibit disabled	2.2.5 / 24
OFF	⌊___⌋	4	All System Tampers Require Installer Reset	All System Tampers follow Restore	2.3.7 / 41
OFF	⌊___⌋	5	6-Digit User Access Codes	4-Digit User Access Codes	2.2.2 / 20
OFF	⌊___⌋	6	Busy tone detection enabled	Busy tone detection disabled	2.3.8 / 41
OFF	⌊___⌋	7	For future use only		
OFF	⌊___⌋	8	Standard Communications Priority	UL Communications Priority	2.3.8 / 41

[702] Second International Options Code

Default		Option	ON	OFF	Section/ Page #••
OFF	⌊___⌋	1	Pulse Dialing Make/Break Ratio is 33/67	Pulse Dialing Make/Break Ratio is 40/60	2.3.8 / 41
ON	⌊___⌋	2	Force Dialing enabled	Force Dialing disabled	2.3.8 / 41
OFF	⌊___⌋	3	Land Line Test Transmission in minutes	Land Line Test Transmission in days	2.3.16 / 53
OFF	⌊___⌋	4	1600 Hz Handshake	Standard Handshake	2.3.11 / 44
OFF	⌊___⌋	5	ID Tone enabled	ID Tone disabled	2.3.8 / 41
OFF	⌊___⌋	6	2100 HZ ID Tone	1300 Hz ID Tone	2.3.8 / 41
OFF	⌊___⌋	7	Full 1-Hr User enabled DLS Window	Full 6-Hr User enabled DLS Window	2.3.14 / 51
OFF	⌊___⌋	8	Bell on FTC when armed	FTC Trouble only when armed	2.3.8 / 41

[703] Delay Between Dialing Attempts (2.3.8 "Communicator Dialing" on page 41••)

Default: 001 ⌊___⌋⌊___⌋⌊___⌋ (Valid entries are 000-255 Seconds)

Section 6: Talk/Listen-in Programming

NOTE: *To program the Talk/Listen-in feature enter programming section [802], then sub-sections [10] through [55], as described below.*

[802] Audio Interface Programming

Port Assignments - Zones 01 - 32 (2.3.13 "Talk/Listen-in Programming" on page 49••)

Enter the nearest Intercom Station Number (01= NT9010, 02=Remote Sounder, 00 = Not Used); Default = 00

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

Central Station (Listen-in) Telephone Key Functions (2.3.13 "Talk/Listen-in Programming" on page 49••)

[00]	Key Not Used	[10]	For Future Use
[01]	Talk To All Speakers	[11]	Cancel First Keypress
[02]	For Future Use	[12]	For Future Use
[03]	Listen to All	[13]	Zone Select for Listen-In
[04] - [06]	For Future Use	[14]	Switch to Next Microphone
[07]	Extend Time	[15]	Switch to Previous Microphone
[08]	For Future Use	[16]	For Future Use
[09]	Terminate Session	[17]	Mode Key

Select a function (00-17) for each telephone key that will be used. Contact your central station to determine what functions to program. Program unused keys as [00]. You can program additional functions by setting one telephone key as a "Mode" key.

For example, in section [40], by default the [9] key is programmed as the Mode key

[40] Telephone Key Programming

Telephone Key	Default	
1	01	___
2	00	___
3	03	___
4	00	___
5	00	___
6	00	___
7	07	___
8	00	___
9	17	___
0	00	___
*	00	___
#	11	___

[41] Telephone Mode Key Programming

Telephone Key	Default	
[Mode Key] + 1	00	___
[Mode Key] + 2	00	___
[Mode Key] + 3	00	___
[Mode Key] + 4	00	___
[Mode Key] + 5	00	___
[Mode Key] + 6	00	___
[Mode Key] + 7	00	___
[Mode Key] + 8	00	___
[Mode Key] + 9	09	___
[Mode Key] + 0	00	___
[Mode Key] + *	00	___
[Mode Key] + #	00	___

[50] First Audio Control Option Code (2.3.13 "Talk/Listen-in Programming" on page 49••)

Default		Option	ON	OFF
OFF	⌊___⌋	1	Zone 1 Alarm Enabled	Zone 1 Alarm Disabled
OFF	⌊___⌋	2	Zone 2 Alarm Enabled	Zone 2 Alarm Disabled
OFF	⌊___⌋	3	Zone 3 Alarm Enabled	Zone 3 Alarm Disabled
OFF	⌊___⌋	4	Zone 4 Alarm Enabled	Zone 4 Alarm Disabled
OFF	⌊___⌋	5	Zone 5 Alarm Enabled	Zone 5 Alarm Disabled
OFF	⌊___⌋	6	Zone 6 Alarm Enabled	Zone 6 Alarm Disabled
OFF	⌊___⌋	7	Zone 7 Alarm Enabled	Zone 7 Alarm Disabled
OFF	⌊___⌋	8	Zone 8 Alarm Enabled	Zone 8 Alarm Disabled

[51] Second Audio Control Option Code (2.3.13 "Talk/Listen-in Programming" on page 49••)

Default		Option	ON	OFF
OFF	⌊___⌋	1	Zone 9 Alarm Enabled	Zone 9 Alarm Disabled
OFF	⌊___⌋	2	Zone 10 Alarm Enabled	Zone 10 Alarm Disabled
OFF	⌊___⌋	3	Zone 11 Alarm Enabled	Zone 11 Alarm Disabled
OFF	⌊___⌋	4	Zone 12 Alarm Enabled	Zone 12 Alarm Disabled
OFF	⌊___⌋	5	Zone 13 Alarm Enabled	Zone 13 Alarm Disabled
OFF	⌊___⌋	6	Zone 14 Alarm Enabled	Zone 14 Alarm Disabled
OFF	⌊___⌋	7	Zone 15 Alarm Enabled	Zone 15 Alarm Disabled
OFF	⌊___⌋	8	Zone 16 Alarm Enabled	Zone 16 Alarm Disabled

[52] Third Audio Control Option Code (2.3.13 "Talk/Listen-in Programming" on page 49••)

Default		Option	ON	OFF
OFF	⌊___⌋	1	Zone 17 Alarm Enabled	Zone 17 Alarm Disabled
OFF	⌊___⌋	2	Zone 18 Alarm Enabled	Zone 18 Alarm Disabled
OFF	⌊___⌋	3	Zone 19 Alarm Enabled	Zone 19 Alarm Disabled
OFF	⌊___⌋	4	Zone 20 Alarm Enabled	Zone 20 Alarm Disabled
OFF	⌊___⌋	5	Zone 21 Alarm Enabled	Zone 21 Alarm Disabled
OFF	⌊___⌋	6	Zone 22 Alarm Enabled	Zone 22 Alarm Disabled
OFF	⌊___⌋	7	Zone 23 Alarm Enabled	Zone 23 Alarm Disabled
OFF	⌊___⌋	8	Zone 24 Alarm Enabled	Zone 24 Alarm Disabled

[53] Fourth Audio Control Option Code (2.3.13 "Talk/Listen-in Programming" on page 49••)

Default		Option	ON	OFF
OFF	⌊___⌋	1	Zone 25 Alarm Enabled	Zone 25 Alarm Disabled
OFF	⌊___⌋	2	Zone 26 Alarm Enabled	Zone 26 Alarm Disabled
OFF	⌊___⌋	3	Zone 27 Alarm Enabled	Zone 27 Alarm Disabled
OFF	⌊___⌋	4	Zone 28 Alarm Enabled	Zone 28 Alarm Disabled
OFF	⌊___⌋	5	Zone 29 Alarm Enabled	Zone 29 Alarm Disabled
OFF	⌊___⌋	6	Zone 30 Alarm Enabled	Zone 30 Alarm Disabled
OFF	⌊___⌋	7	Zone 31 Alarm Enabled	Zone 31 Alarm Disabled
OFF	⌊___⌋	8	Zone 32 Alarm Enabled	Zone 32 Alarm Disabled

[54] Fifth Audio Control Option Code (2.3.13 "Talk/Listen-in Programming" on page 49••)

Default		Option	ON	OFF
OFF	⌊___⌋	1	Tampers Enabled	Tampers Disabled
OFF	⌊___⌋	2	Openings and Closings Enabled	Openings and Closings Disabled
OFF	⌊___⌋	3	Aux. Key Alarm Enabled	Aux. Key Alarm Disabled
OFF	⌊___⌋	4	Panic Key Alarm Enabled	Panic Key Alarm Disabled
OFF	⌊___⌋	5	Duress Alarm Enabled	Duress Alarm Disabled
OFF	⌊___⌋	6	For future use	
OFF	⌊___⌋	7	Opening After Alarm Enabled	Opening After Alarm Disabled
OFF	⌊___⌋	8	For future use	

NOTE: *If any event is enabled for Talk/Listen-in, Communications MUST also be enabled* (2.3.8 "Communicator Dialing" on page 41••)**.**

[55] Audio Duration (2.3.13 "Talk/Listen-in Programming" on page 49••)

Default Valid entries: 01-99 seconds

90 ⌊___⌋___⌋

Section 7: Wireless Receiver Programming

NOTE: *To program the NT9010 Wireless Receiver, enter programming section [804], then sub-sections [01] through [93], as described below.*

[804] Wireless Receiver Programming

Wireless Device Serial Number Programming (2.3.4 "Wireless Device Serial Numbers" on page 39••)

NOTE: *You can also program wireless device serial numbers using the NT9010 Flash Programming. Please see the NT9010 Quick Set Up Guide for more information. All wireless devices must pass the placement test, even if the serial number is entered in section [804].*

- 6-digit hexadecimal entry is required.
- When enrolling devices with 5-digit serial numbers, the first digit must be zero (0), followed by the 5-digit serial number (6-digits total). For example, to enter the serial number 42345, enter [042345].

Zone Serial Numbers **Default =**

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

NOTE: *When deleting any panic pendant, the supervision must be re-enabled in sections [82] to [85].*

Wireless Key Serial Numbers

Section	Wireless Key	Serial Number	Section	Wireless Key	Serial Number
[41]	01	_____	**[49]**	09	_____
[42]	02	_____	**[50]**	10	_____
[43]	03	_____	**[51]**	11	_____
[44]	04	_____	**[52]**	12	_____
[45]	05	_____	**[53]**	13	_____
[46]	06	_____	**[54]**	14	_____
[47]	07	_____	**[55]**	15	_____
[48]	08	_____	**[56]**	16	_____

Wireless Key Function Button Options (2.2.11 "Programming Wireless Keys" on page 33••)

Entry	Description	Can Be Used on Wireless Key
00	Null Key (Key not used)	Yes
03	Stay Arm	Yes
04	Away Arm	Yes
05	No entry delay arming	No
06	Door Chime On/Off	Yes
07	System Test	Yes
16	Quick Exit	Yes
17	Activate Stay/Away Zones	Yes
27	Disarm (Off)	Yes
28	FIre Alarm	Yes
29	Auxiliary Alarm	Yes
30	Panic Alarm	Yes
31	Status	Yes

NOTE: *If using Wireless Keys for any arming function, you must enable the Quick Arming option in section [015], option [4].*

Wireless Key Function Buttons

Section	Button #	Default	
[61]	1	03	
[62]	2	04	
[63]	3	27	
[64]	4	30	

Zone Supervision

[81] Wireless Supervisory Window (2.3.5 "Wireless Zone Supervision" on page 40••)

Default

24 Valid entries: 01 - 24 hours

NOTE: *Hardwired zones and RF Jam Detect zones should NOT be supervised, and must be disabled in the following sections.*

[82] Zone Transmitter Supervision Options (1-8) (2.3.5 "Wireless Zone Supervision" on page 40••)

Default		Option	ON	OFF
ON		1	Zone 1 Supervision Enabled	Zone 1 Supervision Disabled
ON		2	Zone 2 Supervision Enabled	Zone 2 Supervision Disabled
ON		3	Zone 3 Supervision Enabled	Zone 3 Supervision Disabled
ON		4	Zone 4 Supervision Enabled	Zone 4 Supervision Disabled
ON		5	Zone 5 Supervision Enabled	Zone 5 Supervision Disabled
ON		6	Zone 6 Supervision Enabled	Zone 6 Supervision Disabled
ON		7	Zone 7 Supervision Enabled	Zone 7 Supervision Disabled
ON		8	Zone 8 Supervision Enabled	Zone 8 Supervision Disabled

[83] Zone Transmitter Supervision Options (9-16) (2.3.5 "Wireless Zone Supervision" on page 40••)

Default		Option	ON	OFF
ON		1	Zone 9 Supervision Enabled	Zone 9 Supervision Disabled
ON		2	Zone 10 Supervision Enabled	Zone 10 Supervision Disabled
ON		3	Zone 11 Supervision Enabled	Zone 11 Supervision Disabled
ON		4	Zone 12 Supervision Enabled	Zone 12 Supervision Disabled
ON		5	Zone 13 Supervision Enabled	Zone 13 Supervision Disabled
ON		6	Zone 14 Supervision Enabled	Zone 14 Supervision Disabled
ON		7	Zone 15 Supervision Enabled	Zone 15 Supervision Disabled
ON		8	Zone 16 Supervision Enabled	Zone 16 Supervision Disabled

[84] Zone Transmitter Supervision Options (17-24) (2.3.5 "Wireless Zone Supervision" on page 40••)

Default		Option	ON	OFF
ON	|_____|	1	Zone 17 Supervision Enabled	Zone 17 Supervision Disabled
ON	|_____|	2	Zone 18 Supervision Enabled	Zone 18 Supervision Disabled
ON	|_____|	3	Zone 19 Supervision Enabled	Zone 19 Supervision Disabled
ON	|_____|	4	Zone 20 Supervision Enabled	Zone 20 Supervision Disabled
ON	|_____|	5	Zone 21 Supervision Enabled	Zone 21 Supervision Disabled
ON	|_____|	6	Zone 22 Supervision Enabled	Zone 22 Supervision Disabled
ON	|_____|	7	Zone 23 Supervision Enabled	Zone 23 Supervision Disabled
ON	|_____|	8	Zone 24 Supervision Enabled	Zone 24 Supervision Disabled

[85] Zone Transmitter Supervision Options (25-32) (2.3.5 "Wireless Zone Supervision" on page 40••)

Default		Option	ON	OFF
ON	|_____|	1	Zone 25 Supervision Enabled	Zone 25 Supervision Disabled
ON	|_____|	2	Zone 26 Supervision Enabled	Zone 26 Supervision Disabled
ON	|_____|	3	Zone 27 Supervision Enabled	Zone 27 Supervision Disabled
ON	|_____|	4	Zone 28 Supervision Enabled	Zone 28 Supervision Disabled
ON	|_____|	5	Zone 29 Supervision Enabled	Zone 29 Supervision Disabled
ON	|_____|	6	Zone 30 Supervision Enabled	Zone 30 Supervision Disabled
ON	|_____|	7	Zone 31 Supervision Enabled	Zone 31 Supervision Disabled
ON	|_____|	8	Zone 32 Supervision Enabled	Zone 32 Supervision Disabled

Section 8: Function Keys, Voice Prompt Interface, and Special Zone Programming

NOTE: *To program the NT9010 Voice Prompt Interface, Function Keys, Hardwired Zones, or the RF Jamming Detection zone, enter programming section [807], then sub-sections [000] through [705], as described below.*

NOTE: *All entries in this section are in decimal. Valid digits are 0-9, A-F are invalid.*

[807] Voice Prompt Interface Programming

[000] NT9010 Function Key Programming (2.2.10 "Function Keys" on page 31••)

Function Key Options:

00 Null Key
01-02 For future use
03 Stay Arm
04 Away Arm
05 [*][9] No-Entry Arm
06 [*][4] Chime On / Off
07 [*][6][——][4] System Test
08 [*][1] Bypass Mode
09 [*][2] Trouble Display
10 [*][3] Alarm Memory
11 [*][5] User Programming
12 [*][6] User Functions
13-15 For future use
16 [*][0] Quick Exit
17 [*][1] Reactivate Stay/Away Zones
18-26 For future use
27 Status
28 Volume Control
29 Memo Record
30 Memo Playback

	Function Key 1	Function Key 2	Function Key 3	Function Key 4	Function Key 5	Function Key 6	Function Key 7	Function Key 8
NT9010 Defaults:	03	04	06	16	27	28	29	30

[002] First Voice Prompt Option Code (2.2.3 "Voice Prompt Interface" on page 22••)

Default		Option	ON	OFF
ON	|1|	Clock is AM/PM	Clock is 24 Hour
ON	|2|	Verbal Chime for Zone Openings	Verbal Chime Disabled for Zone Openings
OFF	|3|	Verbal Chime for Zone Closings	Verbal Chime Disabled for Zone Closings
OFF	|4-8|	For future use	

[003] Status Prompt Mask (2.2.3 "Voice Prompt Interface" on page 22••)

Default		Option	ON	OFF
ON	|01|	Warning, Bypass On Prompt enabled	Prompt disabled
ON	|02|	System Trouble .... Prompt enabled	Prompt disabled
ON	|03|	System Open, Zone .... Prompt enabled	Prompt disabled
ON	|04|	Alarms in Memory Prompt enabled	Prompt disabled
ON	|05|	Service Required Prompt enabled	Prompt disabled
ON	|06|	AC Power Trouble Prompt enabled	Prompt disabled
ON	|07|	Phone Line Trouble Prompt enabled	Prompt disabled
ON	|08|	Communication Trouble Prompt enabled	Prompt disabled
ON	|09|	Zone Fault Prompt enabled	Prompt disabled
ON	|10|	Zone Tamper Prompt enabled	Prompt disabled
ON	|11|	Zone Low Battery Prompt enabled	Prompt disabled
ON	|12|	Time and Date Incorrect Prompt enabled	Prompt disabled

[004] Star Function Prompt Mask (2.2.3 "Voice Prompt Interface" on page 22••)

Default		Option		ON	OFF
ON	⌊___⌋	01	For Zone Bypassing	Prompt enabled	Prompt disabled
ON	⌊___⌋	02	For System Troubles	Prompt enabled	Prompt disabled
ON	⌊___⌋	03	For Alarm Memory	Prompt enabled	Prompt disabled
ON	⌊___⌋	04	For Door Chime Control	Prompt enabled	Prompt disabled
OFF	⌊___⌋	05	For future use		
ON	⌊___⌋	06	For Special Functions	Prompt enabled	Prompt disabled
OFF	⌊___⌋	07	For Memo	Prompt enabled	
ON	⌊___⌋	08	For Arming Without Entry	Prompt enabled	Prompt disabled
ON	⌊___⌋	09	For Quick Arming	Prompt enabled	Prompt disabled
ON	⌊___⌋	10	For Quick Exit	Prompt enabled	Prompt disabled
ON	⌊___⌋	11	To Arm Interior Zones	Prompt enabled	Prompt disabled
ON	⌊___⌋	12	For Volume Control	Prompt enabled	Prompt disabled
OFF	⌊___⌋	13	For future use		
OFF	⌊___⌋	14	For future use		
OFF	⌊___⌋	15	For future use		
ON	⌊___⌋	16	For User Programming	Prompt enabled	Prompt disabled

[020] Local/Remote Telephone Access Code

(2.2.1 "Accessing the NT9010 System Using a Telephone" on page 19••)

Default		
***	⌊_⌋⌊_⌋⌊_⌋	Enter 3 digits (0,1,2,3,4,5,6,7,8,9,*,#)

NOTE: *Avoid Codes that interfere with any local telephone equipment (e.g. fax machines, etc.), or that coincide with local telephone company 3-digit telephone numbers and services. Also do not exit this section by pressing [#], it will be accepted as a valid digit.*

[021] Telephone Access Options (2.2.1 "Accessing the NT9010 System Using a Telephone" on page 19••)

Default		Option	ON	OFF
OFF	⌊___	01	Local Access Only	Remote and Local Access enabled
OFF	⌊___	02	Access code always req'd for local access	No code req'd for local access

NOTE: *Local Access Only must be ON.*

[030] Alarm Tone Period for Verbal Alarm (2.2.4 "Alarm Announce-ments" on page 23••)

Default		
015	⌊_⌋⌊_⌋⌊_⌋	Valid entries are 001-255 seconds.

Hardwired Loop Zone Assignment (2.3.3 "Enrolling Hardwired Zones" on page 39••)

Section	Loop #	Default	Zone #
[091]	1	00	⌊_⌋⌊_⌋
[092]	2	00	⌊_⌋⌊_⌋

[093] RF Jamming Detection Zone (2.3.6 "RF Jamming Detection Zone" on page 40••)

NOTE: *Programming RF Jam Zone will automatically program the corresponding label as RF Jam. Please be sure that the corresponding serial number is (000000). RF Jam will not work properly otherwise.*

Default		
00	_____	Select an unused zone that will go open when a jamming signal is present. Valid entries 01-32, 00 = disabled

NOTE: *Zone supervision must be disabled for RF Jam Detect zones and hardwired zones.*

Programming the System and Zone Labels (2.1.5 "Programming Audio Labels" on page 16••)

You can program labels for the system and for the zones through the NT9010 Flash Programming, or through the following programming sections. To program the labels using these programming sections:

1. Enter the 3-digit sub-section for the label ([601] to [633]).
2. Enter the 3-digit code for each word you want to program. You can enter up to six words for each label. Please see *"Audio Label Library"* on page 27 for a list of the 3-digit codes for each available word. To add numbers to a label, see 2.1.5 *"Programming Audio Labels"* on page 16••. If your label is less than six words, press [#] at the end of the label.
3. If you want to use a recorded label, in place of the first word of the label, enter [244] then the number of the label [001] to [005]. The recorded label will replace all six words in the section. To record a label, see 2.1.5 *"Programming Audio Labels"* on page 16••.
4. When you have entered the label, the system will recite it.
5. If the label is correct, press [#]. To change the label, repeat steps 1-4, above.

.

Section	Label For:							Default Label
[601]	Zone 1							Zone 1
[602]	Zone 2							Zone 2
[603]	Zone 3							Zone 3
[604]	Zone 4							Zone 4
[605]	Zone 5							Zone 5
[606]	Zone 6							Zone 6
[607]	Zone 7							Zone 7
[608]	Zone 8							Zone 8
[609]	Zone 9							Zone 9
[610]	Zone 10							Zone 10
[611]	Zone 11							Zone 11
[612]	Zone 12							Zone 12
[613]	Zone 13							Zone 13
[614]	Zone 14							Zone 14
[615]	Zone 15							Zone 15
[616]	Zone 16							Zone 16
[617]	Zone 17							Zone 17
[618]	Zone 18							Zone 18
[619]	Zone 19							Zone 19
[620]	Zone 20							Zone 20
[621]	Zone 21							Zone 21
[622]	Zone 22							Zone 22
[623]	Zone 23							Zone 23
[624]	Zone 24							Zone 24
[625]	Zone 25							Zone 25
[626]	Zone 26							Zone 26
[627]	Zone 27							Zone 27
[628]	Zone 28							Zone 28
[629]	Zone 29							Zone 29
[630]	Zone 30							Zone 30
[631]	Zone 31							Zone 31
[632]	Zone 32							Zone 32
[633]	Fire Alarm							Fire Zone

Recording Custom Labels

You can record up to five custom labels for the system and for the zones using programming sections [701] to [705]. You can use any of these labels for the system or zone labels, instead of the words available on the Audio Label Library. To record a custom label:

1. Enter one of sub-sections [701] to [705].
2. Press the Record function key on the NT9010.
3. Speak into the NT9010 microphone. Each label can be up to 1.5 seconds long. To stop recording, press [#].
4. When you are finished recording, press the Playback function key. The NT9010 plays your recorded label back to you. To listen to the label again, press Playback again.
5. If you want to re-record the label, press the Record function key again.
6. To record more labels, repeat steps 1 to 5.

NOTE: *If the NT9010 is completely powered down (both AC and battery power are lost), the recorded labels will be lost.*

Section 9: Special Installer Functions

[901] Installer Walk Test Mode Enable / Disable (2.3.22 "Walk Test" on page 56••)

[904] Wireless Module Placement Test
You can conduct placement tests using the NT9010 Flash Programming, or using this section. Each device must pass three consecutive tests in order to be fully enrolled on the system. For more information, please refer to your NT9010 Installation Manual.

NOTE: *Local annunciation must be enabled for Module Placement Feedback [017], option 4. [904] will not auto change to high volume for module placement.*

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

Placement	Bell / Buzzer
Good	1 Beep / Squawk
Bad	3 Beeps / Squawks

[990] Installer Lockout Enable (2.3.21 "Installer Lockout" on page 55••)

[991] Installer Lockout Disable (2.3.21 "Installer Lockout" on page 55••)

[992] Restore Main Controller Programming to Factory Default Settings
(2.3.20 "Factory Default" on page 54••)

[995] Restore Audio Interface Programming to Factory Default Settings
(2.3.20 "Factory Default" on page 54••)

[996] Restore Wireless Receiver Programming to Factory Default Settings
(2.3.20 "Factory Default" on page 54••)

[999] Restore All NT9010 Programming to Factory Default Settings
(2.3.20 "Factory Default" on page 54••)

NOTE: *It is recommended that a full default [999] be preformed to restore all defaults.*

Appendix A: Audio Label Library

To program system and zone labels, please see *"Programming Zone Labels"* on page 12••.

[000] Combined # Command
[001] Ordered # Command
[002] Individual # Command
[003] Access
[004] Air-conditioning
[005] Alcove
[006] And
[007] Apartment
[008] Appliance
[009] Area
[010] Atrium
[011] Attic
[012] Automatic
[013] Away
[014] Back
[015] Backyard
[016] Balcony
[017] Bar
[018] Barn
[019] Basement
[020] Bathroom
[021] Bay
[022] Beam
[023] Bedroom
[024] Blinds
[025] Boat
[026] Boiler
[027] Bottom
[028] Boys
[029] Building
[030] Cabinet
[031] Cafeteria
[032] Camera
[033] Cash
[034] Ceiling
[035] Centre
[036] Changeroom
[037] China
[038] Circuit
[039] Classroom
[040] Coffee-maker
[041] Cold
[042] Collection
[043] Compressor
[044] Computer
[045] Contact
[046] Control
[047] Crawl-space
[048] Curtain
[049] Dark
[050] Day
[051] Deck
[052] Degrees
[053] Den
[054] Detector
[055] Dining
[056] Dishwasher
[057] Door
[058] Down
[059] Driveway
[060] East
[061] Electric
[062] Elevator
[063] Employee
[064] Energy-save
[065] Entertainment
[066] Entry
[067] Equipment
[068] Exercise
[069] Exhaust
[070] Exit
[071] Exterior
[072] Extinguisher
[073] Factory
[074] Family
[075] Fan
[076] Fence
[077] File
[078] Fire
[079] Floor
[080] Florida
[081] Flow
[082] Foil
[083] Fountain
[084] Foyer
[085] Freezer
[086] French
[087] Front
[088] Furnace
[089] Game
[090] Garage
[091] Garbage
[092] Gas
[093] Gate
[094] Girls
[095] Glassbreak
[096] Greenhouse
[097] Ground
[098] Guard
[099] Guest
[100] Gun
[101] Gym
[102] Hallway
[103] Heat
[104] Heater
[105] High
[106] Holiday
[107] Home
[108] Hose
[109] Hot tub
[110] House
[111] Humidity
[112] Interior
[113] Intrusion
[114] Item
[115] Jewelry
[116] Kitchen
[117] Ladies'
[118] Lamp
[119] Laundry
[120] Lawn
[121] Left
[122] Level
[123] Library
[124] Light
[125] Lights
[126] Liquor
[127] Living
[128] Loading
[129] Lobby
[130] Lot
[131] Low
[132] Lower
[133] Machine
[134] Maids
[135] Mail
[136] Main
[137] Maintenance
[138] Master
[139] Mat
[140] Medical
[141] Meeting
[142] Men's

[143] Middle
[144] Mode
[145] Motion
[146] Night
[147] North
[148] Number
[149] Nursery
[150] Office
[151] Outer
[152] Outlet
[153] Output
[154] Over
[155] Overflow
[156] Overhead
[157] Panel
[158] Panic-button
[159] Parking
[160] Partition
[161] Patio
[162] Perimeter
[163] Photocopier
[164] Picture
[165] Place
[166] Play
[167] Porch
[168] Portable
[169] Power
[170] Pressure
[171] Proximity
[172] Pull-station
[173] Pump
[174] Ramp
[175] Rear
[176] Receiving
[177] Recreation
[178] Refrigerator
[179] Reset
[180] Restricted
[181] Right
[182] Roof
[183] Room
[184] Safe
[185] Sauna
[186] Schedule
[187] Sensor
[188] Service
[189] Shed
[190] Shipping
[191] Shop
[192] Shutter
[193] Side
[194] Silent
[195] Skylight
[196] Sliding
[197] Smoke
[198] Solarium
[199] Sounder
[200] South
[201] Sprinkler
[202] Staff
[203] Stairs
[204] Stereo
[205] Stock
[206] Storage
[207] Strike
[208] Sump
[209] Supervision
[210] Swimming-pool
[211] System
[212] Tamper
[213] Television
[214] Temperature
[215] Time
[216] Tool
[217] Top
[218] Track
[219] Trap
[220] Under
[221] Unit
[222] Up
[223] Upper
[224] Utility
[225] Vault
[226] Vent
[227] Vibration
[228] Walkway
[229] Warehouse
[230] Washroom
[231] Water
[232] Weekend
[233] Well
[234] West
[235] Window
[236] Wine-cellar
[237] Work
[238] Yard
[239] Zone
[240] Thermostat
[241] RF Jam
[242] *Not Used*
[243] *Not Used*
[244] ***Custom Label Section***
[245] ***(2 Second Pause)***

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-34664-AL-E
Ringer Equivalence Number:	0.4B
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

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 0.4B.

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 0.4B.

This Class B digital apparatus meets all requirements of the Canadian interference-causing equipment regulations.
Cet appareil numérique de la Classe B respecte toutes les exigences de règlement sur le matériel brouilleur du Canada.

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