
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
v1.1A

Programming
Worksheets

DSC
ENVOL™

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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 circum-

stances 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.

NOTE: All programming sections of this manual are applicable to the NT9010 and NT9010A.

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)	10 24 Hour Supervisory Buzzer	20 24 Hour Freeze
01 Delay 1	11 24 Hour Burglary	21 24 Hour Latching Tamper
02 Delay 2	12 24 Hour Holdup	22 Momentary Keyswitch Arm
03 Instant	13 24 Hour Gas	23 Maintained Keyswitch Arm
04 Interior	14 24 Hour Heating (N/C zone)	24 For future use
05 Interior, Stay/Away	15 24 Hour Medical	25 Interior Delay
06 Delay, Stay/Away	16 24 Hour Panic	87 Delay 24 Hour Fire (Wireless)
07 For future use	17 24 Hour Emergency	88 Standard 24 Hour Fire (Wireless)
08 For future use	18 24 Hour Sprinkler	
09 For future use	19 24 Hour Water	

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	87	□□□□		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 24••)
045 □□□□	Entry Delay 2 (in seconds)	(2.2.7 "Entry and Exit Delay Options" on page 24••)
030 □□□□	Exit Delay (in seconds)	(2.2.7 "Entry and Exit Delay Options" on page 24••)
005 □□□□	Bell Cut-off (in minutes)	(2.2.8 "Bell Options" on page 25••)

[006] Installer's Code (2.2.2 "Access Codes" on page 19••)

Default: 5555

[007] Master Code (2.2.2 "Access Codes" on page 19••)

Default: 1234

[008] Maintenance Code (2.2.2 "Access Codes" on page 19••)

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 33••)

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 <input type="checkbox"/>	1 Hardwired Zones are Normally Closed	Hardwired Zones use End-of-Line Resistors	1.2.4 / 5
OFF <input type="checkbox"/>	2-3 For future use		
OFF <input type="checkbox"/>	4 Tamper/Faults Do Not Sound as Open	Tamper/Faults Sound as Open	2.2.9 / 25
OFF <input type="checkbox"/>	5 For future use		
ON <input type="checkbox"/>	6 Audible Exit Fault Enabled	Audible Exit Fault Disabled	2.2.7 / 24
ON <input type="checkbox"/>	7 Event Buffer Follows Swinger Shutdown	Event Buffer Logs Events Past shutdown	2.3.17 / 50
OFF <input type="checkbox"/>	8 Temporal Three Fire Signal Enabled**	Standard Pulsed Fire Signal	2.2.8 / 25

**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 <input type="checkbox"/>	1 Arm / Disarm Bell Squawk enabled	Arm / Disarm Bell Squawk disabled	2.2.5 / 22
OFF <input type="checkbox"/>	2 Bell Squawk During Auto Arm	No Bell Squawk During Auto Arm	2.2.7 / 24
OFF <input type="checkbox"/>	3 Bell Squawk On Exit Delay	No Bell Squawk On Exit Delay	2.2.7 / 24
OFF <input type="checkbox"/>	4 Bell Squawk On Entry Delay	No Bell Squawk On Entry Delay	2.2.7 / 24
OFF <input type="checkbox"/>	5 Bell Squawk On Trouble	No Bell Squawk On Trouble	2.2.9 / 25
ON <input type="checkbox"/>	6 Audible Exit with Urgency	Silent Exit Delay	2.2.7 / 24
OFF <input type="checkbox"/>	7 Exit Delay Termination Enabled	Exit Delay Termination Disabled	2.2.7 / 24
OFF <input type="checkbox"/>	8 Fire Bell is Continuous	Fire Bell Follows Bell Cut-off	2.2.8 / 25

[015] Third System Option Code

Default	Option	ON		OFF	Section/ Page #••
ON	<input type="checkbox"/>	1	Fire Keys Enabled	Fire Keys Disabled	2.2.12 / 32
OFF	<input type="checkbox"/>	2	Panic Keys Audible (Bell / Beeps)	Panic Keys Silent	2.2.12 / 32
ON	<input type="checkbox"/>	3	Quick Exit Enabled	Quick Exit Disabled	2.2.9 / 25
ON	<input type="checkbox"/>	4	Quick Arming Enabled/Function keys do not require code	Quick Arming Disabled/Function keys require code	2.2.9 / 25
OFF*	<input type="checkbox"/>	5	Code Required For Bypassing	No Code Required	2.2.9 / 25
OFF	<input type="checkbox"/>	6	Master Code Not Changeable	Master Code Changeable	2.2.2 / 19
ON	<input type="checkbox"/>	7	TLM Enabled	TLM Disabled	2.3.15 / 49
ON	<input type="checkbox"/>	8	TLM Audible (Bell) When Armed	TLM Trouble Beeps When Armed	2.3.15 / 49

*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	<input type="checkbox"/>	1-2	For future use		
OFF	<input type="checkbox"/>	3	Blank Keypad When Not Used	Keypad Active Always	2.2.14 / 33
OFF	<input type="checkbox"/>	4	Code Required to Remove Kypd Blanking	No Code Required	2.2.14 / 33
ON	<input type="checkbox"/>	5	Keypad Backlighting is enabled	Keypad Backlighting is disabled	2.2.14 / 33
OFF	<input type="checkbox"/>	6	For future use		
OFF	<input type="checkbox"/>	7	Bypass Status Displayed While Armed	Bypass Status Not Displayed While Armed	2.2.14 / 33
OFF	<input type="checkbox"/>	8	For future use		

[017] Fifth System Option Code

Default	Option	ON		OFF	Section/ Page #••
ON	<input type="checkbox"/>	1	WLS Key Does Not Use Access Codes	WLS Key Uses Access Codes	2.2.5 / 22
ON	<input type="checkbox"/>	2	Verbal Chime is Enabled	Verbal Chime is Disabled (Beeps Only)	2.2.3 / 21
ON	<input type="checkbox"/>	3	Verbal Alarm is Enabled	Verbal Alarm is Disabled (Siren Only)	2.2.3 / 21
ON *	<input type="checkbox"/>	4	Local Annunciation is Enabled	Local Annunciation is Disabled	1.2.4 / 5
OFF	<input type="checkbox"/>	5	Remote Annunciation is Enabled	Remote Annunciation is Disabled	1.2.4 / 5
OFF	<input type="checkbox"/>	6	For future use		
OFF	<input type="checkbox"/>	7	For future use		
OFF	<input type="checkbox"/>	8	Squawk on Away Arming/Disarming Only Bell Squawk on All Arming/Disarming		2.2.5 / 22

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

Zone Attributes (2.3.2 “Zone Attributes” on page 36••)

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

Attribute:	1	2	3	4	5	6	7	8
	ON Audible OFF Silent	Steady Pulsed	Chime No	Bypass No	Force No	Swing No	Tx. Delay No	Wireless Zn. No
Zone Type:								
00 Null Zone	N	N	N	N	N	N	N	Y
01 Delay 1	Y	Y	Y	Y	Y	Y	N	Y
02 Delay 2	Y	Y	Y	Y	Y	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	Y	N	Y
11 24hr Burglary	Y	Y	N	Y	N	Y	N	Y
12 24hr Holdup	N	Y	N	N	N	Y	N	Y
13 24hr Gas	Y	N	N	N	N	Y	N	Y
14 24hr Heating (N/C zone)	Y	N	N	N	N	Y	N	Y
15 24hr Medical	Y	Y	N	N	N	Y	N	Y
16 24hr Panic	Y	Y	N	N	N	Y	N	Y
17 24hr Emergency	Y	Y	N	N	N	Y	N	Y
18 24hr Sprinkler	Y	Y	N	N	N	Y	N	Y
19 24hr Water	Y	Y	N	N	N	Y	N	Y
20 24hr Freeze	Y	Y	N	N	N	Y	N	Y
21 24hr Latching Tamper	Y	Y	N	N	N	Y	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	()	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[102]	02	()	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[103]	03	()	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[104]	04	()	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[105]	05	()	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[106]	06	()	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[107]	07	()	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[108]	08	()	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[109]	09	()	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[110]	10	()	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[111]	11	()	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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

**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 39••)

Default: 003 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 39••)

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 40••)

[302] Second Telephone Number (32 Digits) (2.3.9 "Communicator Telephone Numbers" on page 40••)

[303] Third Telephone Number (32 Digits) (2.3.9 "Communicator Telephone Numbers" on page 40••)

Account Codes

 (2.3.10 "Communicator Account Codes" on page 40••)

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 44••) and (Appendix B: "Reporting Codes" on page 54••)

Section

[320]	Zone 01	Zone 02	Zone 03	Zone 04	Zone 05	Zone 06	Zone 07	Zone 08
	└─3─┐└─┐	└─3─┐└─┐	└─3─┐└─┐	└─3─┐└─┐	└─3─┐└─┐	└─3─┐└─┐	└─3─┐└─┐	└─1─┐└─┐
[321]	Zone 09	Zone 10	Zone 11	Zone 12	Zone 13	Zone 14	Zone 15	Zone 16
	└─3─┐└─┐	└─3─┐└─┐	└─3─┐└─┐	└─3─┐└─┐	└─3─┐└─┐	└─3─┐└─┐	└─3─┐└─┐	└─3─┐└─┐
[322]	Zone 17	Zone 18	Zone 19	Zone 20	Zone 21	Zone 22	Zone 23	Zone 24
	└─3─┐└─┐	└─3─┐└─┐	└─3─┐└─┐	└─3─┐└─┐	└─3─┐└─┐	└─3─┐└─┐	└─3─┐└─┐	└─3─┐└─┐
[323]	Zone 25	Zone 26	Zone 27	Zone 28	Zone 29	Zone 30	Zone 31	Zone 32
	└─3─┐└─┐	└─3─┐└─┐	└─3─┐└─┐	└─3─┐└─┐	└─3─┐└─┐	└─3─┐└─┐	└─3─┐└─┐	└─3─┐└─┐

Alarm Restoral Reporting Codes, Zones 01-32

(2.3.12 "Communicator Reporting Codes" on page 44••) and (Appendix B: "Reporting Codes" on page 54••)

Section

[324]	Zone 01	Zone 02	Zone 03	Zone 04	Zone 05	Zone 06	Zone 07	Zone 08
	└─3─┐└─┐	└─3─┐└─┐	└─3─┐└─┐	└─3─┐└─┐	└─3─┐└─┐	└─3─┐└─┐	└─3─┐└─┐	└─1─┐└─┐
[325]	Zone 09	Zone 10	Zone 11	Zone 12	Zone 13	Zone 14	Zone 15	Zone 16
	└─3─┐└─┐	└─3─┐└─┐	└─3─┐└─┐	└─3─┐└─┐	└─3─┐└─┐	└─3─┐└─┐	└─3─┐└─┐	└─3─┐└─┐
[326]	Zone 17	Zone 18	Zone 19	Zone 20	Zone 21	Zone 22	Zone 23	Zone 24
	└─3─┐└─┐	└─3─┐└─┐	└─3─┐└─┐	└─3─┐└─┐	└─3─┐└─┐	└─3─┐└─┐	└─3─┐└─┐	└─3─┐└─┐
[327]	Zone 25	Zone 26	Zone 27	Zone 28	Zone 29	Zone 30	Zone 31	Zone 32
	└─3─┐└─┐	└─3─┐└─┐	└─3─┐└─┐	└─3─┐└─┐	└─3─┐└─┐	└─3─┐└─┐	└─3─┐└─┐	└─3─┐└─┐

Miscellaneous Alarm Reporting Codes

(2.3.12 “Communicator Reporting Codes” on page 44●●) and (Appendix B: “Reporting Codes” on page 54●●)

Section

- | | | | | |
|-------|---|------------------------|---|---------------------------------|
| [328] | <u> </u> <u> </u> <u> </u> <u> </u> | 1. Duress Alarm | <u> </u> <u> </u> <u> </u> <u> </u> | 4. For Future Use |
| | <u> </u> <u> </u> <u> </u> <u> </u> | 2. Opening After Alarm | <u> </u> <u> </u> <u> </u> <u> </u> | 5. For Future Use |
| | <u> </u> <u> </u> <u> </u> <u> </u> | 3. Recent Closing | <u> </u> <u> </u> <u> </u> <u> </u> | 6. Cross Zone Police Code Alarm |

Priority Alarm and Restoral

(2.3.12 “Communicator Reporting Codes” on page 44●●) and (Appendix B: “Reporting Codes” on page 54●●)

Section

- | | | | | |
|-------|---|----------------------------|---|-------------------------------|
| [329] | <u> </u> <u> </u> <u> </u> <u> </u> | 1. Keypad Fire Alarm | <u> </u> <u> </u> <u> </u> <u> </u> | 5. Keypad Fire Restoral |
| | <u> </u> <u> </u> <u> </u> <u> </u> | 2. Keypad Auxiliary Alarm* | <u> </u> <u> </u> <u> </u> <u> </u> | 6. Keypad Auxiliary Restoral* |
| | <u> </u> <u> </u> <u> </u> <u> </u> | 3. Keypad Panic Alarm | <u> </u> <u> </u> <u> </u> <u> </u> | 7. Keypad Panic Restoral |
| | <u> </u> <u> </u> <u> </u> <u> </u> | 4. For Future Use | <u> </u> <u> </u> <u> </u> <u> </u> | 8. For Future Use |

*Also used as Medical Alarm and Restoral for units monitored in medical applications.

Tamper Reporting Codes, Zones 01-32

(2.3.12 “Communicator Reporting Codes” on page 44●●) and (Appendix B: “Reporting Codes” on page 54●●)

Section

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

Tamper Restoral Reporting Codes, Zones 01-32

(2.3.12 “Communicator Reporting Codes” on page 44●●) and (Appendix B: “Reporting Codes” on page 54●●)

Section

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

Miscellaneous Tamper Reporting Codes

(2.3.12 “Communicator Reporting Codes” on page 44●●) and (Appendix B: “Reporting Codes” on page 54●●)

Section

- [338] Keypad Lockout

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

(2.3.12 "Communicator Reporting Codes" on page 44••) and (Appendix B: "Reporting Codes" on page 54••)

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 44••) and (Appendix B: "Reporting Codes" on page 54••)

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 44••) and (Appendix B: "Reporting Codes" on page 54••)

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 44••) and (Appendix B: "Reporting Codes" on page 54••)

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 44●●) and (Appendix B: "Reporting Codes" on page 54●●)

Section

- | | | | | |
|--------------|---|---------------------------------|---|-------------------|
| [349] | <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> | 1. Battery Trouble Alarm | <input type="text"/> <input type="text"/> | 5. For Future Use |
| | <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> | 2. AC Failure Trouble Alarm | <input type="text"/> <input type="text"/> | 6. For Future Use |
| | <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> | 3. Remote Sounder Trouble Alarm | <input type="text"/> <input type="text"/> | 7. For Future Use |
| | <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> | 4. Fire Trouble Alarm | <input type="text"/> <input type="text"/> | 8. For Future Use |

Maintenance Restoral Reporting Codes

(2.3.12 "Communicator Reporting Codes" on page 44●●) and (Appendix B: "Reporting Codes" on page 54●●)

Section

- | | | | | |
|--------------|---|------------------------------------|---|-------------------|
| [350] | <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> | 1. Battery Trouble Restoral | <input type="text"/> <input type="text"/> | 5. For Future Use |
| | <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> | 2. AC Failure Trouble Restoral | <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> | 6. TLM Restoral |
| | <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> | 3. Remote Sounder Trouble Restoral | <input type="text"/> <input type="text"/> | 7. For Future Use |
| | <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> | 4. Fire Trouble Restoral | <input type="text"/> <input type="text"/> | 8. For Future Use |

Miscellaneous Maintenance Reporting Codes

(2.3.12 "Communicator Reporting Codes" on page 44●●) and (Appendix B: "Reporting Codes" on page 54●●)

Section

- | | | | | |
|--------------|---|-----------------------------------|---|-----------------------|
| [351] | <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> | 1. Telephone Number 1 FTC Restore | <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> | 5. DLS Lead Out |
| | <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> | 2. Telephone Number 2 FTC Restore | <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> | 6. Zone Fault Alarm |
| | <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> | 3. Event Buffer 75% Full | <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> | 7. Zone Fault Restore |
| | <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> | 4. DLS Lead IN | <input type="text"/> <input type="text"/> | 8. Delinquency Code |

Test Transmission Reporting Codes

(2.3.12 "Communicator Reporting Codes" on page 44●●) and (Appendix B: "Reporting Codes" on page 54●●)

Section

- | | | | | |
|--------------|---|-------------------------------|---|-------------------|
| [352] | <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> | 1. Periodic Test Transmission | <input type="text"/> <input type="text"/> | 3. For Future Use |
| | <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> | 2. System Test | | |

Wireless Maintenance Reporting Codes

(2.3.12 "Communicator Reporting Codes" on page 44●●) and (Appendix B: "Reporting Codes" on page 54●●)

Section

- | | | |
|--------------|---|--------------------------------------|
| [353] | <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> | 1. General Zone Low Battery Alarm |
| | <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> | 2. General Zone Low Battery Restoral |

[360] Communicator Format Options (2.3.11 "Communicator Reporting Formats" on page 41●●)

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

Default

- | | | |
|-----------|---|-------------------------------------|
| 03 | <input type="text"/> <input type="text"/> | 1st/3rd Telephone Number |
| 03 | <input type="text"/> <input type="text"/> | 2nd Telephone Number |
| 01 | 20 BPS, 1400 HZ handshake | 02 20 BPS, 2300 HZ handshake |
| 04 | SIA FSK | 03 DTMF CONTACT ID |
| | | 05 Pager |

Call Direction Options

[361] Alarm/Restore Communicator Call Directions (2.3.8 "Communicator Dialing" on page 39••)

Default		Option	ON	OFF
ON	<input type="checkbox"/>	1	1st Telephone Number	Disabled
OFF	<input type="checkbox"/>	2	2nd Telephone Number	Disabled
OFF	<input type="checkbox"/>	3-8	For future use	

[363] Tamper/Restore Communicator Call Directions (2.3.8 "Communicator Dialing" on page 39••)

Default		Option	ON	OFF
ON	<input type="checkbox"/>	1	1st Telephone Number	Disabled
OFF	<input type="checkbox"/>	2	2nd Telephone Number	Disabled
OFF	<input type="checkbox"/>	3-8	For future use	

[365] Opening/Closing Communicator Call Directions (2.3.8 "Communicator Dialing" on page 39••)

Default		Option	ON	OFF
OFF	<input type="checkbox"/>	1	1st Telephone Number	Disabled
OFF	<input type="checkbox"/>	2	2nd Telephone Number	Disabled
OFF	<input type="checkbox"/>	3-8	For future use	

[367] System Maintenance Alarm/Restore Communicator Call Directions

(2.3.8 "Communicator Dialing" on page 39••)

Default		Option	ON	OFF
ON	<input type="checkbox"/>	1	1st Telephone Number	Disabled
OFF	<input type="checkbox"/>	2	2nd Telephone Number	Disabled
OFF	<input type="checkbox"/>	3-8	For future use	

[368] System Test Transmissions Communicator Call Directions

(2.3.8 "Communicator Dialing" on page 39••)

Default		Option	ON	OFF
ON	<input type="checkbox"/>	1	1st Telephone Number	Disabled
OFF	<input type="checkbox"/>	2	2nd Telephone Number	Disabled
OFF	<input type="checkbox"/>	3-8	For future use	

[370] Communication Variables

Default				Section/ Page #••
003	<input type="checkbox"/>	Swinger Shutdown (Alarms and Rest)	(001-014 Transmissions, 000=disabled)	2.3.18 / 50
003	<input type="checkbox"/>	Swinger Shutdown (Tampers and Rest)	(001-014 Transmissions, 000=disabled)	2.3.18 / 50
003	<input type="checkbox"/>	Swinger Shutdown (Maint and Rest)	(001-014 Transmissions, 000=disabled)	2.3.18 / 50
000	<input type="checkbox"/>	Communication Delay	(001-255 seconds)	2.3.12 / 44
030	<input type="checkbox"/>	AC Failure Communication Delay	(001-255 minutes)	2.3.12 / 44
003	<input type="checkbox"/>	TLM Trouble Delay	(No. of checks required - valid entries 003 - 255)	2.3.15 / 49
007	<input type="checkbox"/>	Test Transmission Cycle	(001-255 days)	2.3.16 / 49
007	<input type="checkbox"/>	Zone Low Battery Transmission Delay	(000-255 days)	2.3.12 / 44
030	<input type="checkbox"/>	Delinquency Transmission Cycle	(000-255 days/hours)	2.3.12 / 44

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

[371] Test Transmission Time of Day (2.3.16 "Test Transmissions" on page 49••)

Default		
9999	<input type="checkbox"/>	Valid entries are 0000-2359, 9999 to disable)

Communicator Options

[380] First Communicator Option Code

Default	Option	ON	OFF	Section/ Page #••	
ON	<input type="checkbox"/>	1	Communications Enabled	Communications Disabled	2.3.8 / 39
OFF	<input type="checkbox"/>	2	Restorals on Bell Time-out	Restorals Follow Zones	2.3.12 / 44
OFF	<input type="checkbox"/>	3	Pulse Dialing	DTMF Dialing	2.3.8 / 39
ON	<input type="checkbox"/>	4	Switch to Pulse Dialing on 5th Attempt	DTMF Dial For All Attempts	2.3.8 / 39
ON	<input type="checkbox"/>	5	3rd Telephone Number enabled	3rd Telephone Number disabled	2.3.9 / 40
ON	<input type="checkbox"/>	6	Alternate Dial (1st and 3rd)	Call 1st Number, Backup to 3rd	2.3.9 / 40
OFF	<input type="checkbox"/>	7	For future use		
OFF	<input type="checkbox"/>	8	Delinquency Follows Zone Activity (Hours)	Delinquency Follows Arming (Days)	2.3.12 / 44

[381] Second Communicator Option Code

Default	Option	ON	OFF	Section/ Page #••	
OFF	<input type="checkbox"/>	1	Open After Alarm Kypd Ringback enabled	Open After Alrm Kypd Ringback disabled	2.2.5 / 22
OFF	<input type="checkbox"/>	2	Open After Alarm Bell Ringback enabled	Open After Alrm Bell Ringback disabled	2.2.5 / 22
OFF	<input type="checkbox"/>	3	SIA Sends Programmed Rep. Codes	SIA Sends Automatic Rep. Codes	2.3.11 / 41
OFF	<input type="checkbox"/>	4	Closing Confirmation Enabled	Closing Confirmation Disabled	2.2.5 / 22
ON	<input type="checkbox"/>	5	Talk/Listen on phone lines 1/3	No Talk/Listen on phone lines 1/3	2.3.13 / 46
OFF	<input type="checkbox"/>	6	Talk/Listen on phone line 2	No Talk/Listen on phone line 2	2.3.13 / 46
ON	<input type="checkbox"/>	7	Contact ID Uses Programmed Rep. Codes	Contact ID Uses Auto Rep. Codes	2.3.11 / 41
OFF	<input type="checkbox"/>	8	For future use		

Section 5: International Programming

[701] First International Options Code

Default	Option	ON	OFF	Section/ Page #••	
ON	<input type="checkbox"/>	1	For Future Use		
OFF	<input type="checkbox"/>	2	Time Base is Internal Crystal	Time Base is AC Line	2.3.19 / 50
OFF	<input type="checkbox"/>	3	AC/DC Arming Inhibit enabled	AC/DC Arming Inhibit disabled	2.2.5 / 22
OFF	<input type="checkbox"/>	4	All System Tamperers Require Installer Reset	All System Tamperers follow Restore	2.3.7 / 39
OFF	<input type="checkbox"/>	5	6-Digit User Access Codes	4-Digit User Access Codes	2.2.2 / 19
OFF	<input type="checkbox"/>	6	Busy tone detection enabled	Busy tone detection disabled	2.3.8 / 39
OFF	<input type="checkbox"/>	7	For Future Use		
OFF	<input type="checkbox"/>	8	Standard Communications Priority	UL Communications Priority	2.3.8 / 39

[702] Second International Options Code

Default	Option	ON	OFF	Section/ Page #••	
ON	<input type="checkbox"/>	1	Pulse Dialing Make/Break Ratio is 33/67	Pulse Dialing Make/Break Ratio is 40/60	2.3.8 / 39
ON	<input type="checkbox"/>	2	Force Dialing enabled	Force Dialing disabled	2.3.8 / 39
OFF	<input type="checkbox"/>	3	Land Line Test Transmission in minutes	Land Line Test Transmission in days	2.3.16 / 49
OFF	<input type="checkbox"/>	4	1600 Hz Handshake	Standard Handshake	2.3.11 / 41
OFF	<input type="checkbox"/>	5	ID Tone enabled	ID Tone disabled	2.3.8 / 39
OFF	<input type="checkbox"/>	6	2100 HZ ID Tone	1300 Hz ID Tone	2.3.8 / 39
OFF	<input type="checkbox"/>	7	Full 1-Hr User enabled DLS Window	Full 6-Hr User enabled DLS Window	2.3.14 / 47
OFF	<input type="checkbox"/>	8	Bell on FTC when armed	FTC Trouble only when armed	2.3.8 / 39

[703] Delay Between Dialing Attempts (2.3.8 "Communicator Dialing" on page 39••)

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 46••)

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 46••)

[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 46••)

Default		Option	ON	OFF
OFF	<input type="checkbox"/>	1	Zone 1 Alarm Enabled	Zone 1 Alarm Disabled
OFF	<input type="checkbox"/>	2	Zone 2 Alarm Enabled	Zone 2 Alarm Disabled
OFF	<input type="checkbox"/>	3	Zone 3 Alarm Enabled	Zone 3 Alarm Disabled
OFF	<input type="checkbox"/>	4	Zone 4 Alarm Enabled	Zone 4 Alarm Disabled
OFF	<input type="checkbox"/>	5	Zone 5 Alarm Enabled	Zone 5 Alarm Disabled
OFF	<input type="checkbox"/>	6	Zone 6 Alarm Enabled	Zone 6 Alarm Disabled
OFF	<input type="checkbox"/>	7	Zone 7 Alarm Enabled	Zone 7 Alarm Disabled
OFF	<input type="checkbox"/>	8	Zone 8 Alarm Enabled	Zone 8 Alarm Disabled

[51] Second Audio Control Option Code (2.3.13 "Talk/Listen-in Programming" on page 46••)

Default		Option	ON	OFF
OFF	<input type="checkbox"/>	1	Zone 9 Alarm Enabled	Zone 9 Alarm Disabled
OFF	<input type="checkbox"/>	2	Zone 10 Alarm Enabled	Zone 10 Alarm Disabled
OFF	<input type="checkbox"/>	3	Zone 11 Alarm Enabled	Zone 11 Alarm Disabled
OFF	<input type="checkbox"/>	4	Zone 12 Alarm Enabled	Zone 12 Alarm Disabled
OFF	<input type="checkbox"/>	5	Zone 13 Alarm Enabled	Zone 13 Alarm Disabled
OFF	<input type="checkbox"/>	6	Zone 14 Alarm Enabled	Zone 14 Alarm Disabled
OFF	<input type="checkbox"/>	7	Zone 15 Alarm Enabled	Zone 15 Alarm Disabled
OFF	<input type="checkbox"/>	8	Zone 16 Alarm Enabled	Zone 16 Alarm Disabled

[52] Third Audio Control Option Code (2.3.13 "Talk/Listen-in Programming" on page 46••)

Default		Option	ON	OFF
OFF	<input type="checkbox"/>	1	Zone 17 Alarm Enabled	Zone 17 Alarm Disabled
OFF	<input type="checkbox"/>	2	Zone 18 Alarm Enabled	Zone 18 Alarm Disabled
OFF	<input type="checkbox"/>	3	Zone 19 Alarm Enabled	Zone 19 Alarm Disabled
OFF	<input type="checkbox"/>	4	Zone 20 Alarm Enabled	Zone 20 Alarm Disabled
OFF	<input type="checkbox"/>	5	Zone 21 Alarm Enabled	Zone 21 Alarm Disabled
OFF	<input type="checkbox"/>	6	Zone 22 Alarm Enabled	Zone 22 Alarm Disabled
OFF	<input type="checkbox"/>	7	Zone 23 Alarm Enabled	Zone 23 Alarm Disabled
OFF	<input type="checkbox"/>	8	Zone 24 Alarm Enabled	Zone 24 Alarm Disabled

[53] Fourth Audio Control Option Code (2.3.13 "Talk/Listen-in Programming" on page 46••)

Default		Option	ON	OFF
OFF	<input type="checkbox"/>	1	Zone 25 Alarm Enabled	Zone 25 Alarm Disabled
OFF	<input type="checkbox"/>	2	Zone 26 Alarm Enabled	Zone 26 Alarm Disabled
OFF	<input type="checkbox"/>	3	Zone 27 Alarm Enabled	Zone 27 Alarm Disabled
OFF	<input type="checkbox"/>	4	Zone 28 Alarm Enabled	Zone 28 Alarm Disabled
OFF	<input type="checkbox"/>	5	Zone 29 Alarm Enabled	Zone 29 Alarm Disabled
OFF	<input type="checkbox"/>	6	Zone 30 Alarm Enabled	Zone 30 Alarm Disabled
OFF	<input type="checkbox"/>	7	Zone 31 Alarm Enabled	Zone 31 Alarm Disabled
OFF	<input type="checkbox"/>	8	Zone 32 Alarm Enabled	Zone 32 Alarm Disabled

[54] Fifth Audio Control Option Code (2.3.13 "Talk/Listen-in Programming" on page 46••)

Default		Option	ON	OFF
OFF	<input type="checkbox"/>	1	Tampers Enabled	Tampers Disabled
OFF	<input type="checkbox"/>	2	Openings and Closings Enabled	Openings and Closings Disabled
OFF	<input type="checkbox"/>	3	Aux. Key Alarm Enabled	Aux. Key Alarm Disabled
OFF	<input type="checkbox"/>	4	Panic Key Alarm Enabled	Panic Key Alarm Disabled
OFF	<input type="checkbox"/>	5	Duress Alarm Enabled	Duress Alarm Disabled
OFF	<input type="checkbox"/>	6	For future use	
OFF	<input type="checkbox"/>	7	Opening After Alarm Enabled	Opening After Alarm Disabled
OFF	<input type="checkbox"/>	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 39••).

[55] Audio Duration (2.3.13 "Talk/Listen-in Programming" on page 46••)

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 37••)

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 31••)

Entry	Description
00	Null Key (Key not used)
03	Stay Arm
04	Away Arm
06	Door Chime On/Off
07	System Test
16	Quick Exit
17	Activate Stay/Away Zones
27	Disarm (Off)
28	Fire Alarm
29	Auxiliary or Medical Alarm
30	Panic Alarm

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	<input type="text"/>
[62]	2	04	<input type="text"/>
[63]	3	27	<input type="text"/>
[64]	4	30	<input type="text"/>

Zone Supervision

[81] Wireless Supervisory Window (2.3.5 "Wireless Zone Supervision" on page 38••)

Default

03 Valid entries: 02 - 24 hours

NOTE: Do not program the supervisory window to 01.

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 38••)

Default		Option	ON	OFF
ON	<input type="text"/>	1	Zone 1 Supervision Enabled	Zone 1 Supervision Disabled
ON	<input type="text"/>	2	Zone 2 Supervision Enabled	Zone 2 Supervision Disabled
ON	<input type="text"/>	3	Zone 3 Supervision Enabled	Zone 3 Supervision Disabled
ON	<input type="text"/>	4	Zone 4 Supervision Enabled	Zone 4 Supervision Disabled
ON	<input type="text"/>	5	Zone 5 Supervision Enabled	Zone 5 Supervision Disabled
ON	<input type="text"/>	6	Zone 6 Supervision Enabled	Zone 6 Supervision Disabled
ON	<input type="text"/>	7	Zone 7 Supervision Enabled	Zone 7 Supervision Disabled
ON	<input type="text"/>	8	Zone 8 Supervision Enabled	Zone 8 Supervision Disabled

[83] Zone Transmitter Supervision Options (9-16) (2.3.5 "Wireless Zone Supervision" on page 38••)

Default		Option	ON	OFF
ON	<input type="text"/>	1	Zone 9 Supervision Enabled	Zone 9 Supervision Disabled
ON	<input type="text"/>	2	Zone 10 Supervision Enabled	Zone 10 Supervision Disabled
ON	<input type="text"/>	3	Zone 11 Supervision Enabled	Zone 11 Supervision Disabled
ON	<input type="text"/>	4	Zone 12 Supervision Enabled	Zone 12 Supervision Disabled
ON	<input type="text"/>	5	Zone 13 Supervision Enabled	Zone 13 Supervision Disabled
ON	<input type="text"/>	6	Zone 14 Supervision Enabled	Zone 14 Supervision Disabled
ON	<input type="text"/>	7	Zone 15 Supervision Enabled	Zone 15 Supervision Disabled
ON	<input type="text"/>	8	Zone 16 Supervision Enabled	Zone 16 Supervision Disabled

[84] Zone Transmitter Supervision Options (17-24) (2.3.5 “Wireless Zone Supervision” on page 38••)

Default		Option	ON	OFF
ON	<input type="checkbox"/>	1	Zone 17 Supervision Enabled	Zone 17 Supervision Disabled
ON	<input type="checkbox"/>	2	Zone 18 Supervision Enabled	Zone 18 Supervision Disabled
ON	<input type="checkbox"/>	3	Zone 19 Supervision Enabled	Zone 19 Supervision Disabled
ON	<input type="checkbox"/>	4	Zone 20 Supervision Enabled	Zone 20 Supervision Disabled
ON	<input type="checkbox"/>	5	Zone 21 Supervision Enabled	Zone 21 Supervision Disabled
ON	<input type="checkbox"/>	6	Zone 22 Supervision Enabled	Zone 22 Supervision Disabled
ON	<input type="checkbox"/>	7	Zone 23 Supervision Enabled	Zone 23 Supervision Disabled
ON	<input type="checkbox"/>	8	Zone 24 Supervision Enabled	Zone 24 Supervision Disabled

[85] Zone Transmitter Supervision Options (25-32) (2.3.5 “Wireless Zone Supervision” on page 38••)

Default		Option	ON	OFF
ON	<input type="checkbox"/>	1	Zone 25 Supervision Enabled	Zone 25 Supervision Disabled
ON	<input type="checkbox"/>	2	Zone 26 Supervision Enabled	Zone 26 Supervision Disabled
ON	<input type="checkbox"/>	3	Zone 27 Supervision Enabled	Zone 27 Supervision Disabled
ON	<input type="checkbox"/>	4	Zone 28 Supervision Enabled	Zone 28 Supervision Disabled
ON	<input type="checkbox"/>	5	Zone 29 Supervision Enabled	Zone 29 Supervision Disabled
ON	<input type="checkbox"/>	6	Zone 30 Supervision Enabled	Zone 30 Supervision Disabled
ON	<input type="checkbox"/>	7	Zone 31 Supervision Enabled	Zone 31 Supervision Disabled
ON	<input type="checkbox"/>	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 29••)

Function Key Options:

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

	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
	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

[002] First Voice Prompt Option Code (2.2.3 "Voice Prompt Interface" on page 21••)

Default	Option	ON	OFF
ON	<input type="text"/>	1 Clock is AM/PM	Clock is 24 Hour
ON	<input type="text"/>	2 Verbal Chime for Zone Openings	Verbal Chime Disabled for Zone Openings
OFF	<input type="text"/>	3 Verbal Chime for Zone Closings	Verbal Chime Disabled for Zone Closings
OFF	<input type="text"/>	4-8 For future use	

[003] Status Prompt Mask (2.2.3 "Voice Prompt Interface" on page 21••)

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

[004] Star Function Prompt Mask (2.2.3 "Voice Prompt Interface" on page 21••)

Default	Option	ON	OFF
ON	<input type="checkbox"/> 01 For Zone Bypassing	Prompt enabled	Prompt disabled
ON	<input type="checkbox"/> 02 For System Troubles	Prompt enabled	Prompt disabled
ON	<input type="checkbox"/> 03 For Alarm Memory	Prompt enabled	Prompt disabled
ON	<input type="checkbox"/> 04 For Door Chime Control	Prompt enabled	Prompt disabled
OFF	<input type="checkbox"/> 05 For future use		
ON	<input type="checkbox"/> 06 For Special Functions	Prompt enabled	Prompt disabled
OFF	<input type="checkbox"/> 07 For Memo	Prompt enabled	
ON	<input type="checkbox"/> 08 For Arming Without Entry	Prompt enabled	Prompt disabled
ON	<input type="checkbox"/> 09 For Quick Arming	Prompt enabled	Prompt disabled
ON	<input type="checkbox"/> 10 For Quick Exit	Prompt enabled	Prompt disabled
ON	<input type="checkbox"/> 11 To Arm Interior Zones	Prompt enabled	Prompt disabled
ON	<input type="checkbox"/> 12 For Volume Control	Prompt enabled	Prompt disabled
OFF	<input type="checkbox"/> 13 For future use		
OFF	<input type="checkbox"/> 14 For future use		
OFF	<input type="checkbox"/> 15 For future use		
ON	<input type="checkbox"/> 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 18••)

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 18••)

Default	Option	ON	OFF
OFF	<input type="checkbox"/> 01 Local Access Only		Remote and Local Access enabled
OFF	<input type="checkbox"/> 02 Access code always req'd for local access	No code req'd for local access	

NOTE: Local Access Only must be ON for UL Listed applications.

[030] Alarm Tone Period for Verbal Alarm (2.2.4 "Alarm Announcements" on page 22••)

Default

015 Valid entries are 001-255 seconds.

Hardwired Loop Zone Assignment (2.3.3 "Enrolling Hardwired Zones" on page 37••)

Section	Loop #	Default	Zone #
[091]	1	00	<input type="text"/> <input type="text"/>
[092]	2	00	<input type="text"/> <input type="text"/>

[093] RF Jamming Detection Zone (2.3.6 "RF Jamming Detection Zone*" on page 38••)

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

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 52••)

[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 52••)

[991] Installer Lockout Disable (2.3.21 “Installer Lockout” on page 52••)

[992] Restore Main Controller Programming to Factory Default Settings
(2.3.20 “Factory Default” on page 50••)

[995] Restore Audio Interface Programming to Factory Default Settings
(2.3.20 “Factory Default” on page 50••)

[996] Restore Wireless Receiver Programming to Factory Default Settings
(2.3.20 “Factory Default” on page 50••)

[999] Restore NT9010 Programming to Factory Default Settings
(2.3.20 “Factory Default” on page 50••)

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

Appendix A: Audio Label Library

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

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

L'Indice de charge de ce produit est 0.4B.

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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