Programming Worksheets

Basic Programming

Zone Definitions

00 Null Zone
01 Delay 1
02 Delay 2
03 Instant
04 Interior
05 Interior, Stay/Away
06 Delay, Stay/Away

07 - 09 For Future Use
10 24 Hour Supervisory Buzzer
11 24 Hour Burglary
12 24 Hour Holdup/Panic
13 - 24 For Future Use
87 For Future Use
88 Standard 24 Hour Fire

[001] Zone 1-8 Definitions

(Section 5.1 "Zone Definitions")

Default

01	∟_I_I_⌐	Zone 1	04	∟_I_I_⌐	Zone 5
03	∟_I_I_⌐	Zone 2	04	∟_I_I_⌐	Zone 6
03	∟_I_I_⌐	Zone 3	04	∟_I_I_⌐	Zone 7
03	∟_I_I_⌐	Zone 4	04	∟_I_I_⌐	Zone 8

[005] System Times

Default   [001-255]

030	∟_I_I_I_⌐	Entry Delay 1
045	∟_I_I_I_⌐	Entry Delay 2
120	∟_I_I_I_⌐	Exit Delay
004	∟_I_I_I_⌐	Bell Cut-off

[006] Installer's Code

(Section 4.1 "How to Enter Installer Programming")

Default
5010   ∟_I_I_I_I_⌐

[007] Master Code

(Section 6.1 "Programming Security Codes")

Default
1234   ∟_I_I_I_I_⌐

[012] Lockout Options

(Section 6.8 "Lockout Options")

Default

000	∟_I_I_I_⌐	Number of Invalid Codes Before Lockout (001-255 codes)
000	∟_I_I_I_⌐	Lockout Duration (001-255 minutes)

[014] First System Option Code

Default	Option		ON	OFF	Section
OFF	⌊___⌋	1	Arm / Disarm Bell Squawk enabled	Arm / Disarm Bell Squawk disabled	6.6
OFF	⌊___⌋	2	Bell Squawk During Auto Arm	No Bell Squawk During Auto Arm	6.7
OFF	⌊___⌋	3	Bell Squawk On Exit Delay	No Bell Squawk On Exit Delay	6.7
OFF	⌊___⌋	4	Bell Squawk On Entry Delay	No Bell Squawk On Entry Delay	6.7
OFF	⌊___⌋	5	Bell Squawk On Trouble	No Bell Squawk On Trouble	6.7
ON	⌊___⌋	6	Audible Exit Beeps	Silent Exit Delay	6.7
OFF	⌊___⌋	7	Exit Delay Termination Enabled	Exit Delay Termination Disabled	6.7
OFF	⌊___⌋	8	Fire Bell is continuous	Fire Bell follows Bell Cut-off	6.12

[015] Second System Option Code

Default	Option		ON	OFF	Section
ON	⌊___⌋	1	For Future Use		
OFF	⌊___⌋	2	Panic Keys Audible (Bell / Beeps)	Panic Keys Silent	6.12
OFF	⌊___⌋	3	Quick Exit Enabled	Quick Exit Disabled	6.6
ON*	⌊___⌋	4	Quick Arming Enabled	Quick Arming Disabled	6.6
OFF	⌊___⌋	5	Code Required For Bypassing	No Code Required	6.1
ON	⌊___⌋	6	For Future Use		
ON	⌊___⌋	7	TLM Enabled	TLM Disabled	6.2
OFF	⌊___⌋	8	TLM Audible When Armed	TLM Trouble Only When Armed	6.2

* Option 4 must be ON in order for WLS909 Wireless Key arming to function.

[016] Third System Option Code

Default	Option		ON	OFF	Section
ON	⌊___⌋	1	For Future Use		
OFF	⌊___⌋	2-6	For Future Use		
OFF	⌊___⌋	7	Bypass Status Displayed While Armed	Bypass Status Not Displayed While Armed	6.6

Communicator Programming

Note: For sections [301] to [352], the contents of every section by default is [F].

[301] First Telephone Number (32 Digits)
(Section 4.3 "Phone Numbers")

⌊_⌋

[302] Second Telephone Number (32 Digits)
(Section 4.3 "Phone Numbers")

⌊_⌋

[303] Third Telephone Number (32 Digits)
(Section 4.3 "Phone Numbers")

⌊_⌋

[310] Account Code
(Section 4.2 "Account Numbers")

⌊_⌊_⌊_⌊_⌊_⌋

[320] Alarm Reporting Codes, Zones 1-8
(Section 4.4 "Reporting Codes")

	_	_	_		Zone 1		_	_	_		Zone 5
	_	_	_		Zone 2		_	_	_		Zone 6
	_	_	_		Zone 3		_	_	_		Zone 7
	_	_	_		Zone 4		_	_	_		Zone 8

[324] Alarm Restoral Reporting Codes, Zones 1-8
(Section 4.4 "Reporting Codes")

	_	_	_		Zone 1		_	_	_		Zone 5
	_	_	_		Zone 2		_	_	_		Zone 6
	_	_	_		Zone 3		_	_	_		Zone 7
	_	_	_		Zone 4		_	_	_		Zone 8

[328] Miscellaneous Alarm Reporting Codes
(Section 4.4 "Reporting Codes")

	_	_	_		For Future Use		_	_	_		For Future Use
	_	_	_		Opening After Alarm		_	_	_		For Future Use
	_	_	_		Recent Closing		

[329] Priority Alarm and Restoral
(Section 4.4 "Reporting Codes")

	_	_	_		Keypad Fire Alarm		_	_	_		Keypad Fire Restoral
	_	_	_		Keypad Auxiliary Alarm		_	_	_		Keypad Auxiliary Restoral
	_	_	_		Keypad Panic Alarm		_	_	_		Keypad Panic Restoral
	_	_	_		For Future Use		_	_	_		For Future Use

[330] Tamper Reporting Codes, Zones 1-8
(Section 4.4 "Reporting Codes")

	_	_	_		Zone 1		_	_	_		Zone 5
	_	_	_		Zone 2		_	_	_		Zone 6
	_	_	_		Zone 3		_	_	_		Zone 7
	_	_	_		Zone 4		_	_	_		Zone 8

[334] Tamper Restoral Reporting Codes, Zones 1-8
(Section 4.4 "Reporting Codes")

	_	_	_		Zone 1		_	_	_		Zone 5
	_	_	_		Zone 2		_	_	_		Zone 6
	_	_	_		Zone 3		_	_	_		Zone 7
	_	_	_		Zone 4		_	_	_		Zone 8

[338] Miscellaneous Tamper Reporting Codes
(Section 4.4 "Reporting Codes")

	_	_	_		General System Tamper
	_	_	_		General System Tamper Rest.
	_	_	_		Keypad Lockout

[339] Closing (Arming) Reporting Codes, Access Codes 1-8
(Section 4.4 "Reporting Codes")

	_	_	_		Code 1		_	_	_		Code 5
	_	_	_		Code 2		_	_	_		Code 6
	_	_	_		Code 3		_	_	_		Code 7
	_	_	_		Code 4		_	_	_		Code 8

[343] Miscellaneous Closing (Arming) Reporting Codes
(Section 4.4 "Reporting Codes")

|___|___| For future use	|___|___| For future use
|___|___| For future use	|___|___| Partial Closing
|___|___| Closing by System Code 40	|___|___| Special Closing
|___|___| For future use		

[344] Opening (Disarming) Reporting Codes, Access Codes 1-8
(Section 4.4 "Reporting Codes")

|___|___| Code 1	|___|___| Code 5
|___|___| Code 2	|___|___| Code 6
|___|___| Code 3	|___|___| Code 7
|___|___| Code 4	|___|___| Code 8

[348] Miscellaneous Opening (Disarming) Reporting Codes
(Section 4.4 "Reporting Codes")

|___|___| For future use	|___|___| For future use
|___|___| For future use	|___|___| Auto Arm Cancellation
|___|___| Opening by System Code 40	|___|___| Special Opening
|___|___| For future use		

[349] Maintenance Alarm Reporting Codes
(Section 4.4 "Reporting Codes")

|___|___| Battery Trouble Alarm	|___|___| For Future Use
|___|___| AC Failure Trouble Alarm	|___|___| For Future Use
|___|___| Bell Circuit Trouble Alarm	|___|___| For Future Use
|___|___| Fire Trouble Alarm	|___|___| For Future Use

[350] Maintenance Restoral Reporting Codes
(Section 4.4 "Reporting Codes")

|___|___| Battery Trouble Restoral	|___|___| For Future Use
|___|___| AC Failure Trouble Restoral	|___|___| TLM Restoral
|___|___| Bell Circuit Trouble Restoral	|___|___| For Future Use
|___|___| Fire Trouble Restoral	|___|___| For Future Use

[351] Miscellaneous Maintenance Reporting Codes
(Section 4.4 "Reporting Codes")

|___|___| Phone Number 1 Failure to Communicate Restore
|___|___| Phone Number 2 Failure to Communicate Restore
|___|___| For Future Use
|___|___| For Future Use
|___|___| For Future Use
|___|___| General Zone Trouble Alarm
|___|___| General Zone Trouble Restore

[352] Test Transmission Reporting Codes
(Section 4.4 "Reporting Codes")

|___|___| Periodic Test Transmission	|___|___| For Future Use
|___|___| System Test		

[353] Wireless Maintenance Reporting Codes
(Section 4.4 "Reporting Codes")

|___|___| General Zone Low Battery Alarm	|___|___| General Zone Low Battery Restore

[360] Communicator Format Options
(Section 4.5 "Reporting Formats")

> **!** The Third telephone number follows the format of the First telephone number.

Default

02 |___|___| 1st Phone Number

02 |___|___| 2nd Phone Number

01 20 BPS, 1400 HZ handshake   **04** SIA FSK

02 20 BPS, 2300 HZ handshake   **05** Pager

03 DTMF CONTACT ID

[361] Alarm/Restore Communicator Call Directions
(Section 4.1 "Dialing")

Default		Option	ON	OFF
ON	|___|	**1**	1st Telephone Number	Disabled
OFF	|___|	**2**	2nd Telephone Number	Disabled

[363] Tamper/Restore Communicator Call Directions
(Section 4.1 "Dialing")

Default		Option	ON	OFF
ON	|___|	**1**	1st Telephone Number	Disabled
OFF	|___|	**2**	2nd Telephone Number	Disabled

[365] Opening/Closing Communicator Call Directions
(Section 4.1 "Dialing")

Default		Option	ON	OFF
ON	|___|	**1**	1st Telephone Number	Disabled
OFF	|___|	**2**	2nd Telephone Number	Disabled

[367] System Maintenance Alarm/Restore Communicator Call Directions
(Section 4.1 "Dialing")

Default		Option	ON	OFF
ON	|___|	**1**	1st Telephone Number	Disabled
OFF	|___|	**2**	2nd Telephone Number	Disabled

[368] System Test Transmissions Communicator Call Directions
(Section 4.1 "Dialing")

Default		Option	ON	OFF
ON	|___|	**1**	1st Telephone Number	Disabled
OFF	|___|	**2**	2nd Telephone Number	Disabled

[370] Communication Variables

Default			Section
003	|___|___|___| Swinger Shutdown (Alarms and Rest)	(001-014 Transmissions, 000=disabled)	6.9
003	|___|___|___| Swinger Shutdown (Tampers and Rest)	(001-014 Transmissions, 000=disabled)	6.9
003	|___|___|___| Swinger Shutdown (Maint and Rest)	(001-014 Transmissions, 000=disabled)	6.9
000	|___|___|___| Transmission Delay	(001-255 seconds)	6.5
030	|___|___|___| AC Failure Communication Delay	(001-255 minutes)	4.4
003	|___|___|___| TLM Trouble Delay	(No. of valid checks required +3 - 000-255 x 10s)	6.2
030	|___|___|___| Test Transmission Cycle (land line)	(001-255 days)	6.4
007	|___|___|___| Zone Low Battery Transmission Delay	(000-255 days)	4.4

NOTE: For AC failure communications delay 000 = Disabled.

[371] Test Transmission Time of Day
(Section 6.4 "Test Transmission")

Default

9999 |___|___|___|___| (Valid entries are 0000-2359, 9999 to disable)

[380] First Communicator Option Code

Default	Option		ON	OFF	Section
ON	|___|	**1**	Communications Enabled	Communications Disabled	4.1
OFF	|___|	**2**	Restorals on Bell Time-out	Restorals Follow Zones	4.4
OFF	|___|	**3**	Pulse Dialing	DTMF Dialing	4.1
ON	|___|	**4**	Switch to Pulse Dialing on 5th Attempt	DTMF Dial For All Attempts	4.1
OFF	|___|	**5**	3rd Phone Number enabled	3rd Phone Number disabled	4.3
OFF	|___|	**6**	Alternate Dial (1st and 3rd)	Call 1st Number, Backup to 3rd	4.3
OFF	|___|	**7**	For Future Use		
OFF	|___|	**8**	For Future Use		

[381] Second Communicator Option Code

Default	Option		ON	OFF	Section
OFF	|___|	**1**	Open After Alarm Kypd Ringback enabled	Open After Alrm Kypd Ringback disabled	6.6
OFF	|___|	**2**	Open After Alarm Bell Ringback enabled	Open After Alrm Bell Ringback disabled	6.6
OFF	|___|	**3**	SIA Sends Programmed Rep. Codes	SIA Sends Automatic Rep. Codes	4.5
OFF	|___|	**4**	Closing Confirmation Enabled	Closing Confirmation Disabled	4.4
OFF	|___|	**5-8**	For Future Use		

International Programming

[701] First International Options Code
(Section 6.10 "International Programming")

Default	Option		ON	OFF
OFF	|___|	**1**	50 Hz AC	60 Hz AC
OFF	|___|	**2-8**	For future use	

[702] Second International Options Code
(Section 6.10 "International Programming")

Default	Option		ON	OFF
OFF	|___|	**1**	Pulse Dialing Make/Break Ratio is 33/67	Pulse Dialing Make/Break Ratio is 40/60
ON	|___|	**2**	Force Dialing enabled	Force Dialing disabled
OFF	|___|	**3**	Land line Test Transmission in minutes	Land line Test Transmission in days
OFF	|___|	**4-8**	For future use	

[804] Wireless Programming
(Section 3.2 "Adding Wireless Devices")

Zone Serial Numbers
- Default = 00000
- 5 digit decimal entry is required
- First digit represents transmitter type (0, 1, 6-9 are not valid)
  2 = UTX/SLX, 3 = PIR, 4 = SMOKE, 5 = Pendant
- Next 4 digits represent the serial number (valid entries are 0001 to 4094)

[01] Zone 1 |___|___|___|___|___|

[02] Zone 2 |___|___|___|___|___|

[03] Zone 3 |___|___|___|___|___|

[04] Zone 4 |___|___|___|___|___|

[05] Zone 5 |___|___|___|___|___|

[06] Zone 6 |___|___|___|___|___|

[07] Zone 7 |___|___|___|___|___|

[08] Zone 8 |___|___|___|___|___|

Wireless Key Serial Numbers
Default = 00000

[41] Wireless Key 01 |___|___|___|___|___|

[42] Wireless Key 02 |___|___|___|___|___|

[43] Wireless Key 03 |___|___|___|___|___|

[44] Wireless Key 04 |___|___|___|___|___|

[45] Wireless Key 05 |___|___|___|___|___|

[46] Wireless Key 06 |___|___|___|___|___|

[47] Wireless Key 07 |___|___|___|___|___|

[48] Wireless Key 08 |___|___|___|___|___|

[49] Wireless Key 09 |___|___|___|___|___|

[50] Wireless Key 10 |___|___|___|___|___|

[51] Wireless Key 11 |___|___|___|___|___|

[52] Wireless Key 12 |___|___|___|___|___|

[53] Wireless Key 13 |___|___|___|___|___|

[54] Wireless Key 14 |___|___|___|___|___|

[55] Wireless Key 15 |___|___|___|___|___|

[56] Wireless Key 16 |___|___|___|___|___|

Wireless Key Options

00 Null Key (Default setting)	07 [✶] [6] [----] [4] System Test	28 Fire Alarm*
01-02 Not Used	08-15 For Future Use	29 Auxiliary Alarm*
03 Stay Arm	16 [✶] [0] Quick Exit	30 Panic Alarm*
04 Away Arm	17 [✶] [1] Reactivate Stay/Away Zones	
05 For Future Use	18-26 For Future Use	
06 [✶] [4] Chime ON/OFF	27 Disarm (OFF)*	

*These can only be used for wireless key function keys.

Wireless Key Function Keys: (Default = 00)
(Section 6.12 "Wireless Key Programming")

[65] Function Key 1 |___|___|

[66] Function Key 2 |___|___|

[67] Function Key 3 |___|___|

[68] Function Key 4 |___|___|

Supervision

[81] Wireless supervisory Window
Default = 03

⌐⌐⌐ RF transmitter supervisory window (hours), valid entries are 01-12.

❗ Panic Transmitters are NOT supervised and must be disabled in the following sections.

[82] Zone Transmitter Supervision Options (1-8)

Default = ON	Option ON	Option OFF
⌐⌐ Option 1	Zone 01 Supervision enabled	Disabled
⌐⌐ Option 2	Zone 02 Supervision enabled	Disabled
⌐⌐ Option 3	Zone 03 Supervision enabled	Disabled
⌐⌐ Option 4	Zone 04 Supervision enabled	Disabled
⌐⌐ Option 5	Zone 05 Supervision enabled	Disabled
⌐⌐ Option 6	Zone 06 Supervision enabled	Disabled
⌐⌐ Option 7	Zone 07 Supervision enabled	Disabled
⌐⌐ Option 8	Zone 08 Supervision enabled	Disabled

Special Installer Functions

[904] Wireless Device Placement Test
(Section 3.4 "Module Placement Test")

• Select the device to be tested (Zones 01-08).
• Press [#] to Cancel.

Placement	Control Unit Lights	Sounder
Good	Light 1 ON Steady	1 Beep
Fair	Light 2 ON Steady	2 Beeps
Bad	Light 3 ON Steady	3 Beeps

[990] Installer Lockout Enable

[991] Installer Lockout Disable